



Government of India
Ministry of Environment, Forest and Climate Change
IA Division
(Industrial Projects - 1)



Minutes of 28th Meeting of EAC Industry-1 meeting Industrial Projects - 1
held from 21/05/2026 to 22/05/2026

Date: 29/05/2026

MoM ID:	EC/MOM/EAC/314682/5/2026		
Agenda ID:	EC/AGENDA/EAC/314682/5/2026		
Meeting Venue:	N/A		
Meeting Mode:	Virtual		
Date & Time:			
	21/05/2026	10:00 AM	06:00 PM
	22/05/2026	10:00 AM	06:00 PM

1. Opening remarks

Opening Remarks by the Chairman, EAC

Shri Rajive Kumar, Chairman EAC welcomed all the members of the Committee and appreciated the efforts of the Ministry's Team (Industry-1 Sector) for preparation and uploading the Agenda of the EAC meetings and draft record of discussion very scientifically, systematically, transparently and timely on Parivesh Portal.

- (ii) The Member Secretary informed the committee that there is substantial reduction in the pendency of the projects. The increasing use of various decision-making tools such as

KYA, GIS based DSS is assisting us to make quick and transparent decisions. The committee took note of it and acknowledged the efforts of the ministry team.

- (iii) The EAC noted that there may be some unintentional, minor errors in uploaded Minutes of Meeting on the PARIVESH PORTAL due to the voluminous nature of Minutes of Meeting. EAC decided that PPs may raise their issues (if any) for corrections within three days of the issuance of MOM enabling the EAC to consider the request (if required) in its next meeting.

2. Confirmation of the minutes of previous meeting

Confirmation of the Minutes of the 27th meeting of the EAC for Industry-I sector held on 8th May, 2026 at MoEF&CC through VC Mode.

The 27th meeting of the EAC for the Industry-I Sector was held on 8th May, 2026 through VC mode. The EAC noted that the final minutes of the meeting had been issued after incorporating comments received from the members of the Committee. Subsequently, it was observed that there is no modification/factual correction required in the minutes of the said 27th meeting.

However, the Member Secretary (Ind-1) informed the EAC that there is a correction in the MoM of the 26th meeting of the EAC for the Industry-I Sector held on 29th April 2026 through VC mode as given below:

The Member Secretary apprised that vide mail dated 20.05.2026 (Agenda Item No. 26.1 –M/s. Gajanan Ferro Pvt. Ltd), PP requested Revision/correction in Minutes of Meeting.

The PP reported that in reference to the Minutes of 26th Meeting of EAC (Industry-I)) dated 29.04.2026 & the minutes Published on Parivesh Portal on 04.05.2026, there is a minor corrections for considerations and have requested for the same. The revision sought in EAC Minutes of meeting published on 04.05.2026, is as given below:

Point No as per MOM	Content in MOM	Corrections Required in 26 th EAC MOM	Recommendation of EAC
26.1.21 Point 11 Page No. 379	The EAC noted that the comments of SPCB regarding project site is located at a distance of 1.5 km from the boundary of Koderma Wildlife Sanctuary and 1.4 km from the Eco-Sensitive Zone (ESZ). Considering the proximity of the	PP has reported that there was a typographical error in the comments provided by SPCB, wherein it was mentioned that the project site is located at a distance of 1.5 km from the boundary of Koderma Wildlife Sanctuary and 1.4 km from the Eco-Sensitive Zone (ESZ).	The EAC deliberated on the submission made by PP regarding the typographical error in the comments provided by SPCB and corrected letter obtained from JSPCB dated 21.05.2026 clarifying that the

Point No as per MOM	Content in MOM	Corrections Required in 26 th EAC MOM	Recommendation of EAC
	project to the ESZ/Wildlife Sanctuary, the Committee advised the PP to undertake adequate mitigation measures for protection of the nearby wildlife and ecological environment, including strengthening pollution control measures, greenbelt development, and minimizing disturbance to fauna, and to incorporate the same in the Environmental Management Plan for effective implementation.	Accordingly, PP has obtained the corrected letter from Jharkhand State Pollution Control Board issued vide letter dated 21.05.2026 wherein JSPCB has stated that "It is hereby clarified that it should be read as "National Park & Wildlife Sanctuary-Nil in 10 KM radius." Moreover, all other details remain same as per the above said Comments & Environmental Safeguards issued vide Board's Memo No-PC/MoEF/ECCTE-03/2026-1362 dated-28/04/2026."	statement should be read as "National Park & Wildlife Sanctuary-Nil in 10 KM radius." Accordingly, EAC recommended that the related statements recorded in the deliberation (26.1.21, Point 11) and recommendation (Specific Contion Point (vii)) part of the minutes of the said proposal shall be omitted.
Specific Condition Point (vii) Page No. 389	Project site is located at a distance of 1.5 km from the boundary of Koderma Wildlife Sanctuary and 1.4 km from the Eco-Sensitive Zone (ESZ). PP shall undertake adequate mitigation measures for protection of the nearby wildlife and ecological environment, including strengthening pollution control measures, greenbelt development, and minimizing disturbance to fauna, and to incorporate the same in the Environmental Management Plan for effective implementation.	In view of the above, PP has requested for factual correction in the minutes of 26 th EAC (Ind-1) meeting.	

(v) Details of Proposals and Agenda by the Member Secretary, EAC

Dr. Sonu Singh, Scientist 'E' and Member Secretary, EAC (Industry-1 Sector) appraised to the Committee about the details of Agenda items to be discussed during this EAC meeting.

Details of the proposals considered during the 28th meeting **conducted** through **VC Mode**, deliberations made and the recommendations of the Committee are explained in the respective agenda items as under:

3. Details of proposals considered by the committee

Day 1 -21/05/2026

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

Integrated Cement Plant with production capacity of Clinker: 1.5 Million TPA; Cement: 3.5 Million TPA (OPC, PPC, PSC, SRC, RHPC & Composite Cement); CPP: 20 MW; WHRS: 9.5 MW; Synthetic Gypsum: 156 0 TPD (65 TPH) and DG Sets: 2500 KVA (1 x 2500 KVA or 2 x 1000 KVA & 1 x 500 KVA or 1 x 1000 KVA, 2 x 500 KVA & 2 x 250 KVA) at Villages: Nimsala, Kondhala & Dahegaon, Taluka: Warora, District: Chandra pur (Maharashtra) by Shree Cement Limited. by Shree Cement Limited located at CHANDRAPUR,MAHARASHTRA			
Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/MH/IND1/571953/2026	IA-J-11011/149/2025-I A-II(Ind-I)	10/04/2026	Cement plants Integrated Cement plants and Grinding units (3(b))

3.1.2. Project Salient Features

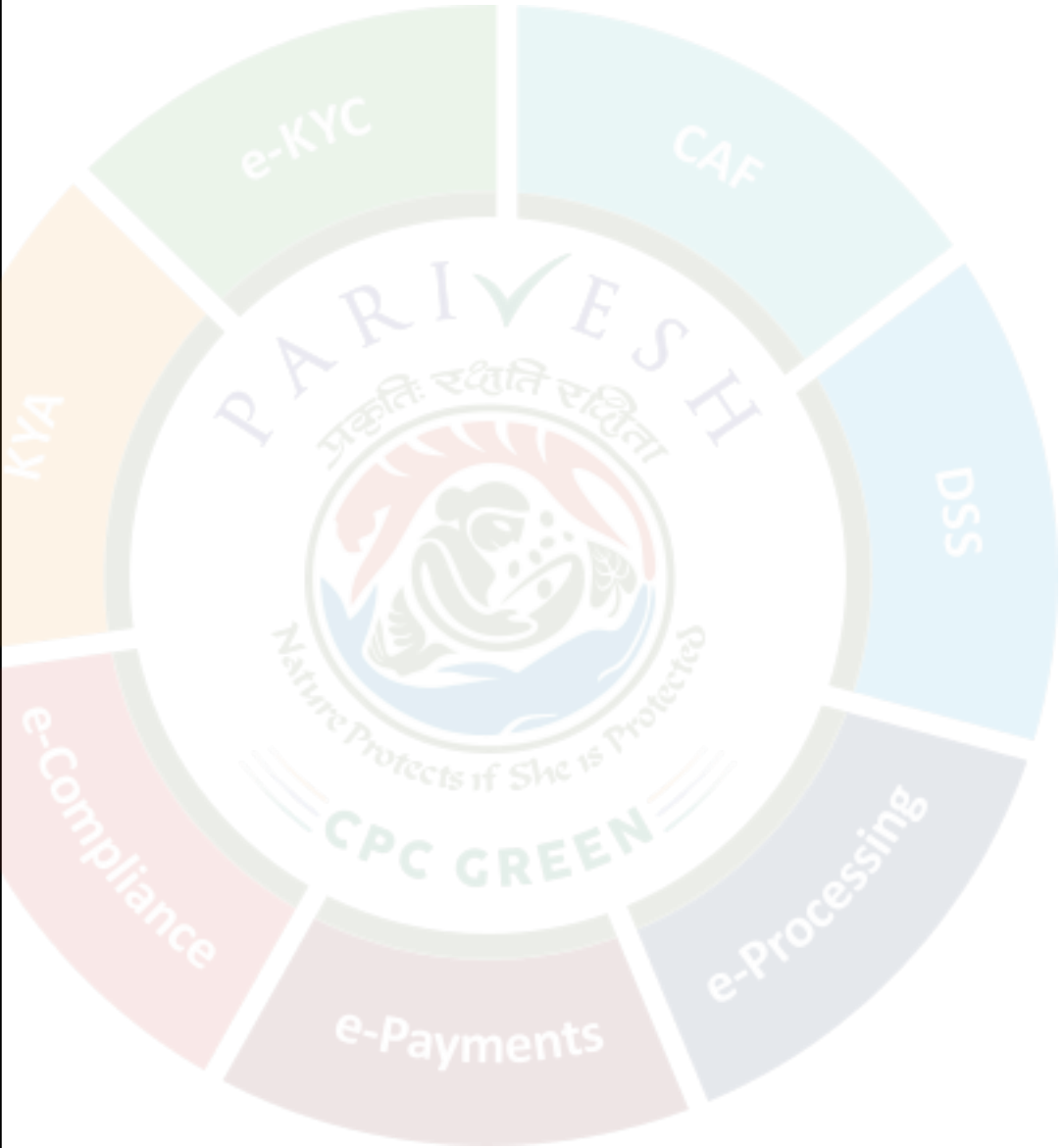
Agenda No. 28.1

[Proposal no.: IA/MH/IND1/571953/2026; File No. IA-J-11011/149/2025-IA-II (IND-I)]
[Consultant: J.M. EnviroNet Pvt. Ltd.; Valid upto: 07.08.2026]

Date of application	Consideration	Details	Date of record	ToR Validity
21.04.2025	3 rd meeting of EAC held on 8 th May, 2025	Terms of Reference	31.05.2025	30.05.2029

S. No.	EDS Point	Reply
	For mer, the authoriz ed Sign	

S. N o.	E D S P o i n t	Re ply
	ed person as 'Sunil Raosahab Deshmukh' where as Board Resolution and Covering letter	at or y was Mr. Sunil Raosahab Deshmukh and now he left the company. Now, Dr. Rachana Sharma is n



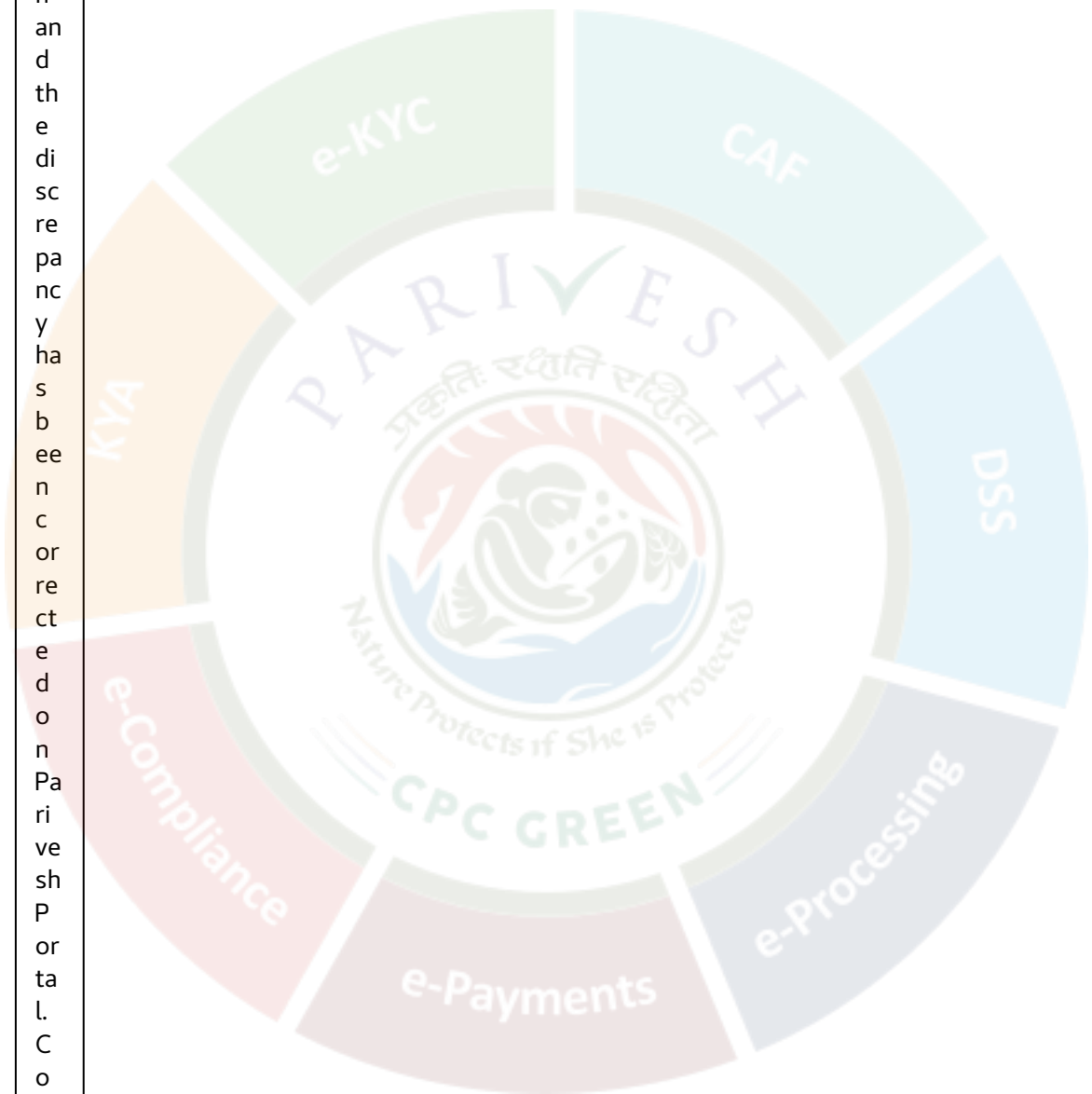
S. N o.	E D S P o i n t	Re ply
	m e n t i o n s 'R a c h n a S h a r m a', t h e d i s c r e p a n c y m a y b e c o r r e c t e d.	e w a u t h o r i z e d s i g n a t o r y o f t h e c o m p a n y a n d a c c o r d i n g l y, w e h a v e c h a n g e d t h e a u t h o r i z e d s i



S. N o.	E D S P o i n t	Re ply
		g na to ry d et ail s o n Pa ri ve sh P or ta l a s D r. R ac ha na S ha r m a i n pl ac e of M r. S u nil R a os ah e b D es



S. N o.	E D S P o i n t	Re ply
		h m u k h a n d t h e d i s c r e p a n c y h a s b e e n c o r r e c t e d o n P a r i v e s h P o r t a l. C o p y o f A u t h o r i z a t i o n L e



S. N o.	E D S P o i n t	Re ply
		tt er is e nc lo se d wi th th e E D S re pl y.
P p is re qu ire d to su b m it a n ot ar is e d ta b ul ar st at e m		Th e n ot ari ze d ta bu lar st at e m en t of co m pl et e l an d un de r t he pr oj ec



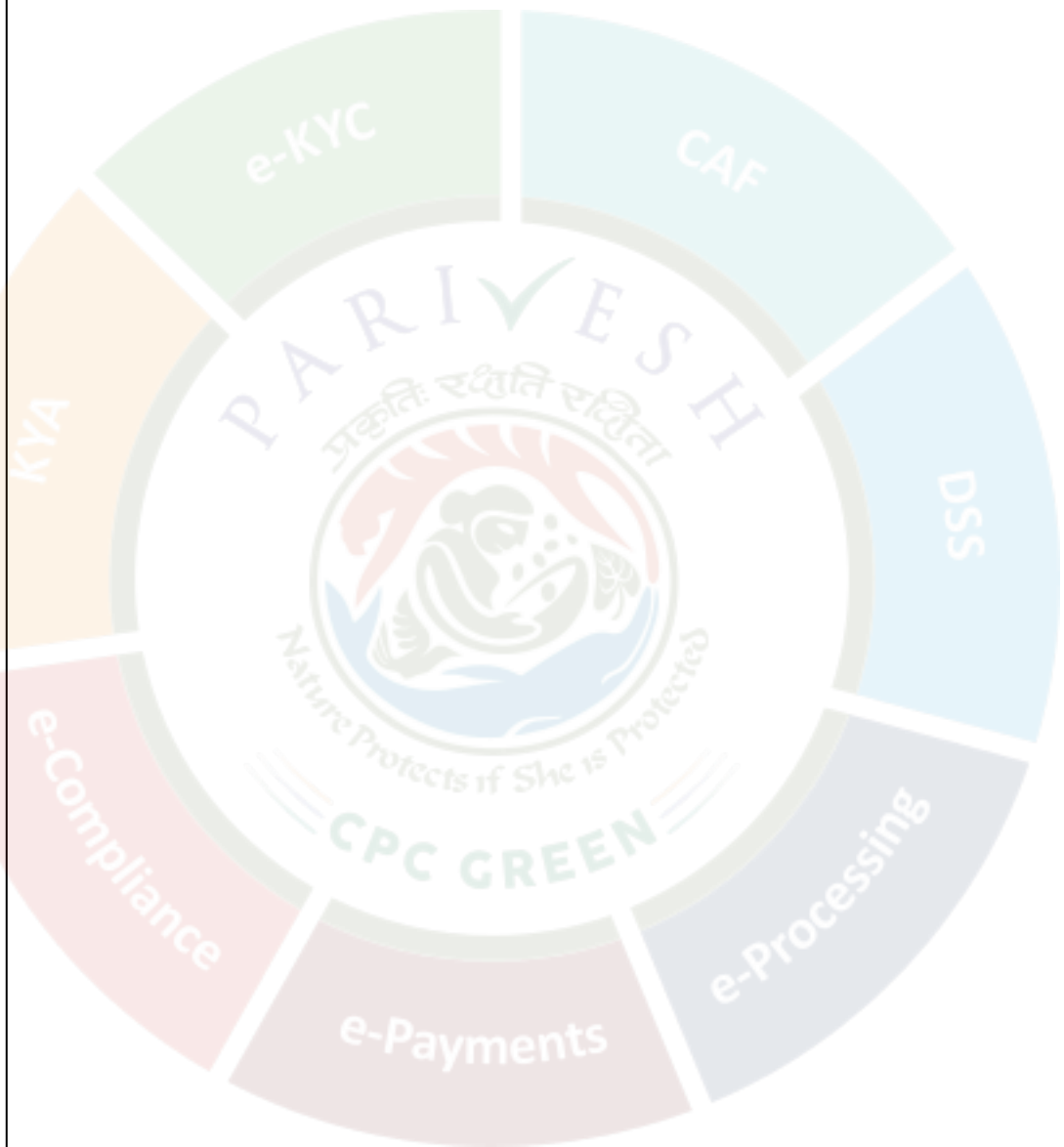
S. N o.	E D S P o i n t	Re ply
	ent of complete land under the project in indicating village, survey no, status of acquisition / ownership has been submitted with the E D S R e p l y. C L	



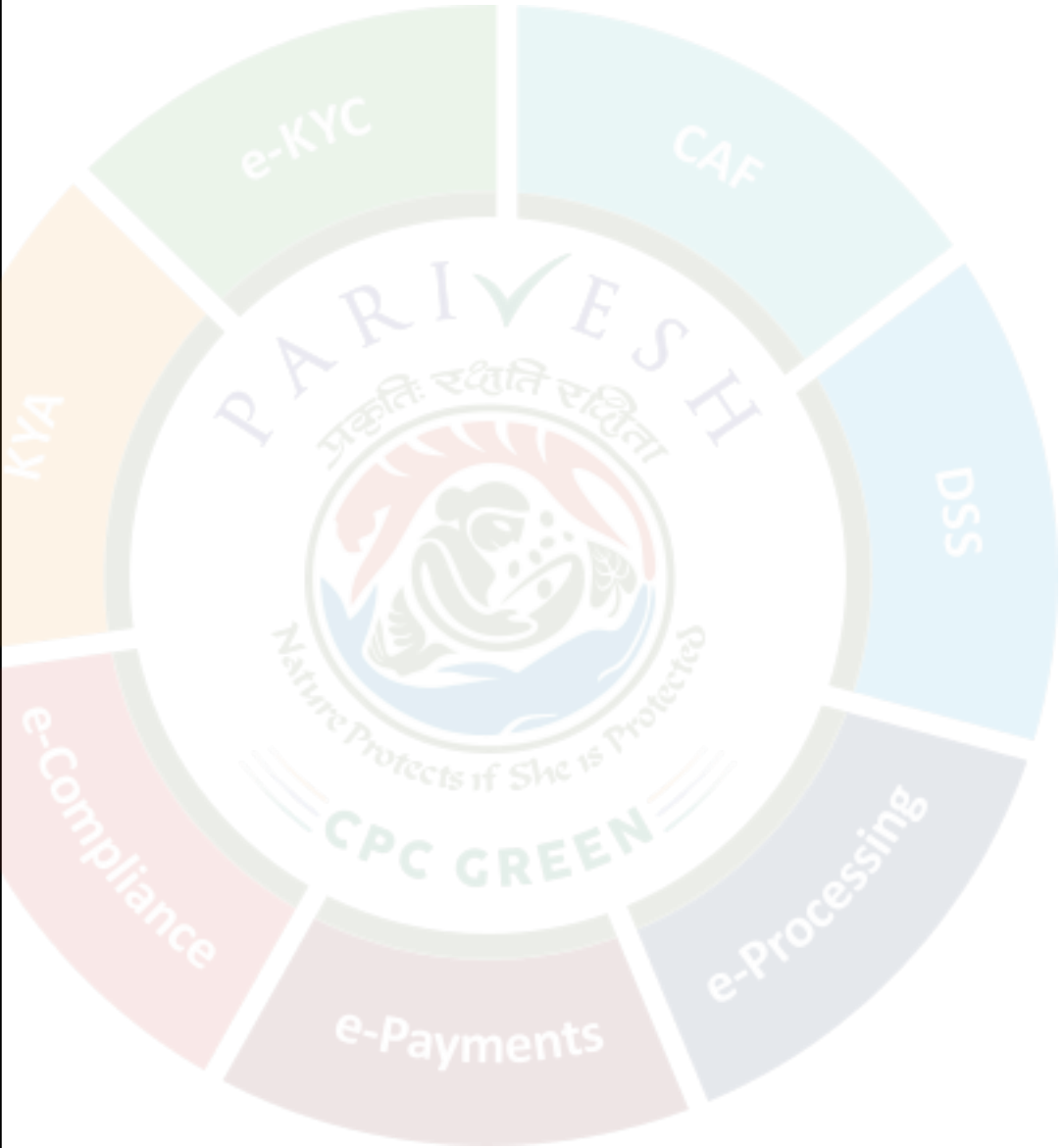
S. N o.	E D S P o i n t	Re ply
	si ti o n, an d as p e r c o m p l i a n c e o f O M d a t e d 0 7- 1 0- 2 0 1 4, as a m e n d e d. T h e s t a t u s o f i n d	U of th e l and is u n d e r p r o g r e s s. C L U A p p l i c a t i o n s u b m i t t e d t o c o l l e c t o r O f f i c e- C h a n d r a p u r



S. N o.	E D S P o i n t	Re ply
	us tri al c o n v e r s i o n o f l a n d m a y b e s u b m i t t e d b e i n g a g r i c u l t u r a l l a n d.	h a s b e e n t e n t a t i v e l y a p p r o v e d a n d r e c o m m e n d e d f o r d e m a r c a t i o n, w h i c h i s u n d e r p r o



S. N o.	E D S P o i n t	Re ply
		ce s s.
	P P is re q u e s t e d t o r e v i e w t h e i n f o r m a t i o n o n e n v i r o n m e n t a l l y s e n s i t i v e a r e a s a n d	T h e d e t a i l s o f e n v i r o n m e n t a l s e n s i t i v e a r e a s f a l l i n g w i t h i n t h e s t u d y a r e a h a v e b e e n



S. N o.	E D S P o i n t	Re ply
	sub mit com pl et e d et ail s w. r. t. su ch ar ea fa lli n g wi th in th e st ud y ar e a, and su g g es te d m iti g	c o m pil e d. F ur th e r, sp ec ifi c m iti ga ti o n ea su res fo r e nv ir o n m e nt al se ns iti ve re ce pt or s l o ca



S. N o.	E D S P o i n t	Re ply
	at io n m ea su re s fo r p e r u s a l a n d a p p r a i s a l b y E A C.	te d wi th in a ra di us of 2-3 k m fr o m th e p r o j e c t s i t e h a v e a l s o b e e n d u l y a d d r e s s e d.



S. N o.	Particulars	Details	Remarks
1.	Total land	The total land area for the proposed plant is 42.76 ha (105.68 Acres) which Private Agricultural land.	Land Us

S.No	Particulars	Details	Remarks
	d		e-Pr es en t l an d us e of th e pr oj ec t s ite is pri va te ag ric ult ur e l an d an d t he co nv er sio n of th e l an d f or in du str ial pu rp os es is cu

S.No.	Particulars	Details	Remarks
			recently under process. CLU of the land is under progress. CLU Application submitted to collector's Office e-Chandrapur has been

S.No.	Particulars	Details	Remarks
			tative ly approved and recommended for demarcation, which is under process.
2.	Land acquisition details as per MoEF & CC O. M. da	The total area required for the proposed plant is 42.76 ha (105.68 Acres) and complete land has been purchased in the name of applicant company i.e., Shree Cement Limited.	-

Sl. No.	Particulars	Details	Remarks												
		ted 7/ 1 0/ 20 14													
3.	Existence of habitation & involvement of R&R, if any.	Project Site: No habitation exists within the project site Study Area: Villages nearby the project site are as below: <table><tr><th>Habitation</th><th>Distance (km)</th><th>Direction</th></tr><tr><td>Village Kondala</td><td>~ 1.0 km</td><td>NNE direction</td></tr><tr><td>Village Dahagaon</td><td>~ 1.4 km</td><td>West direction</td></tr><tr><td>Village Nigani</td><td>~ 1.3 km</td><td>SE direction</td></tr></table>	Habitation	Distance (km)	Direction	Village Kondala	~ 1.0 km	NNE direction	Village Dahagaon	~ 1.4 km	West direction	Village Nigani	~ 1.3 km	SE direction	
Habitation	Distance (km)	Direction													
Village Kondala	~ 1.0 km	NNE direction													
Village Dahagaon	~ 1.4 km	West direction													
Village Nigani	~ 1.3 km	SE direction													

SPartic Noulars		Details			Remar ks
		H a b i t a t i o n	D i s t a n c e (k m)	D i r e c t i o n	
		Vi ll a g e K o n d a l a	~ 1. 0 k m	N N E d i r e c t i o n	
		Vi ll a g e D a h e g a o n	~ 1. 4 k m	W e s t d i r e c t i o n	
		m s a d a			
		Vi ll a g e B e l g a o n D e s	~ 2. 5 k m	N o r t h d i r e c t i o n	

SPartic Noulars		Details			Remar ks														
		<table><tr><td>H a b i t a t i o n</td><td>Di st an ce (k m)</td><td>Di re ct io n</td></tr><tr><td>Vi ll a g e K o n d a l a</td><td>~ 1. 0 k m</td><td>N N E di re ct io n</td></tr><tr><td>Vi ll a g e D a h e g a o n</td><td>~ 1. 4 k m</td><td>W es t di re ct io n</td></tr><tr><td>h</td><td></td><td></td></tr><tr><td>N ai d e o</td><td>~ 2. 9 k m</td><td>S S W di re ct io n</td></tr></table>	H a b i t a t i o n	Di st an ce (k m)	Di re ct io n	Vi ll a g e K o n d a l a	~ 1. 0 k m	N N E di re ct io n	Vi ll a g e D a h e g a o n	~ 1. 4 k m	W es t di re ct io n	h			N ai d e o	~ 2. 9 k m	S S W di re ct io n		
H a b i t a t i o n	Di st an ce (k m)	Di re ct io n																	
Vi ll a g e K o n d a l a	~ 1. 0 k m	N N E di re ct io n																	
Vi ll a g e D a h e g a o n	~ 1. 4 k m	W es t di re ct io n																	
h																			
N ai d e o	~ 2. 9 k m	S S W di re ct io n																	
		However, total 50 nos. of villages falling in the Study area of 10 km radius.																	
4.	Lat itu de and L on	<table><tr><td>S. N o.</td><td>L a t i t u d</td><td>L o n g i t u</td></tr></table>	S. N o.	L a t i t u d	L o n g i t u														
S. N o.	L a t i t u d	L o n g i t u																	

Serial No.	Particulars	Details			Remarks
	Longitude of all corners of the project site		Latitude	Longitude	
1		20° 18' 3.64" N	78° 59' 25.95" E		
2		20° 18' 3.96" N	78° 59' 15.76" E		
3		20° 17' 51.47" N	78° 59' 06.88" E		
4		20° 17' 52.35" N	78° 59' 26.31" E		
5		20° 17' 52.59" N	78° 59' 08.89" E		
6		20° 17' 52.59" N	78° 59' 08.89" E		

SPartic Noulars		Details			Remar ks
			7' 4 8. 5 0" N	8' 5 5. 4 6" E	
	7		2 0° 1 7' 4 3. 0 7" N	7 8° 5 8' 5 2. 8 2" E	
	8		2 0° 1 7' 4 3. 0 7" N	7 8° 5 8' 4 9. 1 0" E	
	9		2 0° 1 7' 5 0. 7 1" N	7 8° 5 8' 4 7. 1 6" E	
	10		2 0° 1 7' 5 7. 0 5" N	7 8° 5 8' 4 3. 3 8" E	
	11		2 0° 1 7' 5 8. 5 1" N	7 8° 5 8' 4 2. 8 4" E	

SPartic Noulars		Details			Remar ks
		1 2	2 0° 1 8' 2. 8 3" N	7 8° 5 8' 4 2. 6 4" E	
		1 3	2 0° 1 8' 5. 5 9" N	7 8° 5 8' 4 8. 0 6" E	
		1 4	2 0° 1 8' 1 1 0. 2 0" N	7 8° 5 8' 5 9. 6 5" E	
		1 5	2 0° 1 8' 1 1 1. 3 3" N	7 8° 5 9' 1 7. 0 9" E	
		1 6	2 0° 1 8' 6. 7 1" N	7 8° 5 9' 2 5. 3 1" E	
5.	Ele vat ion of th	235 to 244 m above mean sea level.			

Sl. No.	Particulars	Details	Remarks
	Project site		
6.	Involvement of Forest land if any.	No forest land is involved in the proposed project.	Approval in this regard has been obtained from Divisional Forest Officer, Chandrapur Forest Division, Chandrapur,

SPartic Noulars		Details			Remar ks						
					M ah ar as htr a v id e l ett er n o. De sk - 1 4/ Su rv e y/ La n d/ 26 33 on da te d 25 th Fe b., 20 2 6.						
7.	W ate r b od y (Riv er s, La ke s, Po nd, Na la,	Project site: There is no water body in the pr oject site. Study area: Following water bodies are fallin g in the 10 km radius study area: <table><tr><td>W at er b o d y</td><td>Di st an ce (k m)</td><td>Di re ct io n</td></tr><tr><td>S ea so</td><td>Pa ssi ng</td><td>-</td></tr></table>			W at er b o d y	Di st an ce (k m)	Di re ct io n	S ea so	Pa ssi ng	-	
W at er b o d y	Di st an ce (k m)	Di re ct io n									
S ea so	Pa ssi ng	-									

SPartic Noulars		Details			Remar ks
	Natur al Drain age, Canal etc.) exists within the p roject site as well as study area	na l N all a	th ou gh th e pr oj ec t s ite		
		C an al	Pa ssi ng th ro ug h m ai n ga te ar ea	-	
		Le n di N al a	0. 7	N W	
		D ai w al N a di	1. 5	W es t	
		S o na ri ya N al a	2. 0	E S E	
		B a m an d o	6. 0	E as t	

SParticulars		Details			Remarks
		h N a l a			
		S h i r n a i N a d i	8. 0	S E	
		W a r d h a R i v e r	8. 0	S W	
8.	Existence of ESZ/ES/A/national park/wildlife sanctuary/biosphere reserve/tiger reserve	Study area: Nil List of Reserved and Protected Forest: - o Zudupi (Revenue) Forest (~1.0 km in North direction) - o Shegaon RF ~5.5 km in ESE direction - o Kawadapur RF ~6.5 km in NNE direction - o Temurda RF ~8.0 km in NNW direction - o Shindola RF ~9.5 km in NNE direction			-

S.No.	Particulars	Details	Remarks
	environmental reserves etc. if any within the study area.		
9.	Details of inter-linked Projects to be submitted	Ø Kondhala Limestone Mine (Mining Lease Area: 105 ha) located near Village: Kondhala, Taluka: Warora, District: Chandrapur, Maharashtra for Mining of 2.25 Million TPA Limestone and installation of 1200 TPH & 500 TPA capacity primary Crusher & 400 TPH secondary Crusher Ø The company will source limestone requirement of 2.25 Million TPA for the Integrated Cement Project from this limestone Mine. Ø The application for ToR for the above mine was uploaded on PARIVESH portal on 29th November, 2025. Ø Thereafter, Term of Reference granted by the SEIAA, Maharashtra on 29th April, 2025 Ø Public hearing was conducted on 31st December, 2025. Ø Environment Clearance application was submitted to SEIAA Maharashtra on 13th March, 2026 Ø The project was appraised in 368th Meeting of SEAC (Part-A) and has been recommended for Grant of Environment Clearance. Ø The project is also recommended for EC by SEIAA, Maharashtra Vide Proposal no. SI A/MH/MIN/571734/2026 via SEIAA MoM dated 16th April, 2026 and EC awaited.	-

S. No.			Plant Equipment / Facility		Proposed Capacity	
Configuration			Capacity			
1.			Clinker		1 x 4500 TPD	
2.			Cement		Mill: 1 x 380 TPH	
3.			CPP		20 MW	
4.			WHRS		9.5 MW	
5.			Synthetic Gypsum Plant		1560 TPD (65 TPH)	
6.			DG Sets		2500 KVA (1 x 2500 KVA or 2 x 1000 KVA & 1 x 500 KVA or 1 x 1000 KVA, 2 x 500 KVA & 2 x 250 KVA)	
S. N o.	Raw Material	Requirement (Million TPA)	Source	Distance (km)	Mode of Transportation	
1.					Covered Conveyor belt	

S. N o.	Raw Mater ial	Requirement (Million TPA)	Source	Distance (km)	Mode of Trans portation
2.					Rail / Road
3.					
4.					
5.					
6.					

Fuel Requirement is as below:

S. N o.	Na me of Fe ed St oc k	Q u a n t i t y (M i l l i o n T P A)	S o u r c e	C a l o r i f i c V a l u e (K c a l / k g)	A s h (i n %)	S u l p h u r (i n %)	D i s t a n c e & M o d e o f T r a n s p o r t a t i o n
For Cement Plant							
1.	I n d i a n & I m p o r t e d C o a l	0. 2 2 5	I n d i g e n o u s C o	4 2 0 0- 4 8 0 0	3 0- 3 5	0. 4- 0. 5	L o c a l a r e a ~ 2 0

S. N o.	Na m e of Fe ed St oc k	Q u a n t i t y (M i l l i o n T P A)	S o u r c e	C a l o r i f i c V a l u e (K c a l / k g)	A s h (i n %)	S u l p h u r (i n %)	D i s t a n c e & M o d e o f T r a n s p o r t a t i o n
	(A s a n a l t e r n a t i v e s o u r c e o f f u e l)		a l : N e a r b y C o a l M i n e s				t o 1 0 0 k m b y R o a d
			I m p o r t e d C o a l : U	5 0 0 0 - 5 8 0 0	6 - 1 0	0. 5 - 0. 6	V i z a g P o r t ~ 8 4 0 k

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
			SA, South Africa, Australia and Indonesia				by Road/Rail

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
			through Vizag Port				
2.	Petcoke as feed stock	0.15	Petcoke USA / Saudi	7800-8300	0.5-2	6-9	Vizag Port ~ 840 km

S. N o.	Na m e of Fe ed St oc k	Q u a n t i t y (M i l l i o n T P A)	S o u r c e	C a l o r i f i c V a l u e (K c a l / k g)	A s h (i n %)	S u l p h u r (i n %)	D i s t a n c e & M o d e o f T r a n s p o r t a t i o n
			di A r a b i a / T u r k e y / C a n a d a t h r o u g h V i z a				b y R o a d / R a i l

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
			g p o r t e t c.				
3.	Dolomite	0.15	Near by Spongeron Plant	2500-2700	68.18	0.32	~100 to 300 km by Road

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
4.	Biomass	0.19	Near by Agriculture Fields	2300-2500	5-29	0.15-0.22	~100 km by Road
For Captive Power Plant							
1.	100% Indian Co	0.225	Indigeno	4200-48	30-35	0.4-0.5	Local Area

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
	al		us Coal: Nearby Coal Mines	00			a ~ 20 to 100 km by Road/ Rail
2.	100% Imported	0.12	USA, Sou	5000-58	6-10	0.5-0.6	Vizag Po

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
	Coal		th Africa, Australia and Indonesia through	00			rt ~ 840 km by Road/Rail

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
			h Vizag Port				
3.	Biomass	0.26	Near by Agriculture fields	2300-2500	5-29	0.15-0.22	~100 km by Road

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
4.	Limestone	0.006	Captive Limestone Mine or Open Market	-	-	-	Near by Plant through belt conveyor or ~ 10

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
							0 km by Road
Period		Post - Monsoon Season (Oct., 2024 to Dec, 2024)					
AAQ parameters at 13 Locations (min and max)		PM10 - 39.5 to 80.1 mg/m ³ PM2.5 - 20.3 to 50.6 mg/m ³ SO2 - 4.2 to 14.5 µg/m ³ NO2 - 8.2 to 24.2 µg/m ³ CO - (BDL) to 0.84 mg/m ³					
Incremental GLC Level		PM10 - 1.73 µg/m ³ at within the Plant Site in SW direction PM2.5 - 0.69 µg/m ³ at within the Plant Site in SW direction SO2 - 1.62 µg/m ³ at within the Plant Site in SW direction NO2 - 2.32 µg/m ³ at within the Plant Site in SW direction CO - 0.00411 mg/m ³ at within the Plant Site in SW direction					
Ground water quality at 09 locations		pH - 7.05 to 7.77 Total Hardness - 225.8 to 632.4 mg/l					

	Chlorides - 27.68 to 243.7 mg/l Fluoride - 0.49 to 0.84 mg/l Iron - 0.29 to 0.96 mg/l																				
Surface water quality at 4 locations	pH - 7.69 to 8.05 DO - 6.7 to 7.1 mg/l BOD - 1.2 to 4.6 mg/l COD - 6.4 to 13.0 mg/l																				
Noise levels Leq (Day and Night) at 12 Locations	46.1 to 54.2 Leq dB (A) at day time and 38.3 to 44.6 Leq dB (A) at night time																				
Traffic assessment study findings	· Traffic study has been conducted at NH - 347 A which approximately 3.0 km in East direction from the plant site. · Transportation of raw material, fuel & finished product will be done as given below - - ü Limestone - via Covered Belt Conveyor from Captive Limestone Mine - ü Iron Ore - 50% by Road & 50 % by Rail - ü Bauxite - 50% by Road & 50 % by Rail - ü Gypsum (Mineral, Synthetic, Chemical & Imported) - 50 % by Road & 50 % by Rail - ü Fly ash - 100% by Road - ü Slag - 100 % by Road - ü Indian & Imported Coal - 50 % by Road & 50 % by Rail - ü Petcoke as feed stock - 50 % by Road & 50 % by Rail - ü Dolomite - 100 % by Road - ü Biomass - 100 % by Road - ü Cement - 50 % by Road & 50 % by Rail · Existing PCU is 306.99 PCU/hr on NH - 347 A and existing level of service (LOS) is A. <table><thead><tr><th>Road</th><th>V (Volume in PCU/hr.)</th><th>C (Capacity in PCU/hr.)</th><th>Existing V/C Ratio</th><th>LOS</th></tr></thead><tbody><tr><td>NH-347A</td><td>306.99</td><td>2900</td><td>0.10</td><td>A</td></tr></tbody></table> * Note - Capacity as per IRC: 106-1990 Guideline for capacity of roads. PCU load after proposed project will be 424.88 PCU/hr (Existing) + 117.89 PCU/hr (Additional) and level of service (LOS) will be "A". <table><thead><tr><th>Road</th><th>V (Volume in PCU/hr.)</th><th>C (Capacity in PCU/hr.)</th><th>Existing V/C Ratio</th><th>LOS</th></tr></thead><tbody><tr><td>NH-347A</td><td>306.99+117.89 = 424.88</td><td>2900</td><td>0.14</td><td>A</td></tr></tbody></table> * Note - Capacity as per IRC: 106-1990 Guideline for capacity of roads. Conclusion: The level of service is "A" i.e., Excellent after including the additional traffic due to the proposed project.	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS	NH-347A	306.99	2900	0.10	A	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS	NH-347A	306.99+117.89 = 424.88	2900	0.14	A
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS																	
NH-347A	306.99	2900	0.10	A																	
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS																	
NH-347A	306.99+117.89 = 424.88	2900	0.14	A																	
Flora and fauna	Nine Schedule - I species Indian Leopard (<i>Panthera pardus</i>), Tiger (<i>Panthera tigris</i>), Sambar Deer (<i>Rusa unicolor</i>), (Wild dog (<i>Dhole</i>) <i>Cuon alpinus</i> , Jungle Cat (<i>Felis chaus</i>), Gaur-Bison (<i>Bos gaurus</i>), Indian Crested Porcupine (<i>Hystrix indica</i>), Indian Peafowl (<i>Pavo cristatus</i>), Grey Junglefowl (<i>Gallus sonneratii</i>) were recorded in the study area during field survey; which are categorized as Schedule - I fauna according to																				

Wildlife (Protection) Amendment Act, 2022. Wildlife Conservation plan for Schedule - I have been prepared with allocation of 4.85 Crores and submitted to Divisional Forest Officer, Chandrapur Division, Chandrapur. Earlier, Divisional Forest Officer, Chandrapur Division has been forwarded the WLCP to The Chief Conservator of Forest (CCF) Chandrapur Division dated 10th March, 2026. Now, The Chief Conservator of Forest (CCF) Chandrapur Division has forwarded the WLCP to Principle Chief Conservator of Forest (PCCF), Chandrapur Division, Chandrapur for further approval dated 20th March, 2026.				
S. No	Type of Waste	Source	Quantity	Mode of Treatment/disposal
Non- Hazardous Solid Waste				
	SW	APCE	Dust ~220 TPD	Dust collected from various APC Es will be totally recycled into the process.
	SW	CPP	Fly ash ~98.40 TPD	100 % fly ash will be used in cement manufacturing process
	SW	STP	STP Sludge ~2 Kg/day ~0.002 TPD	Used as manure for greenbelt development & plantation
	Dry	Plant	Bottles, paper, cans, textile, etc. ~48 Kg/day	Non-degradable waste scientifically in compliance of Solid Waste Management rules 2016. Non-biodegradable waste will be sold to authorized recycler.
	Wet		Kitchen and canteen/ Green waste ~72 kg / day	Bio-degradable waste will be converted into organic manure by installation of Organic Waste Converter (OWC) machine and manure will be used for greenbelt development & plantation.
	SW	Project Site	~2050 Tonnes/Annum	There is no demolition waste in project site. However, during construction phase some quantity of construction waste will be generated, which will be disposed-off within site for site levelling, road construction & paving.
	SW	Plant	Damaged cement packing bags ~5250 Tonnes/Annum	Will be sold to authorized vendors/used in Co-processing in Kiln after getting permission from MPCB.
	HW	Different sections	Used Oil (Cat 5.1), ~70 KL/Annum	Will be sold to SPCB/CPCB registered/Authorized recycler and us

S. No	Type of Waste	Source	Quantity	Mode of Treatment/disposal
			Used Oil	ed in Kiln as co-processing as per Hazardous Waste Management Rules, 2016.
			~2.0 Tonnes / Annum Grease & Waste residue (contaminated cotton rags) containing oil	
			Empty barrels/ containers/ liners ~ 120 Nos./Annum	Will be sold to MPCB/CPCB registered recycler as per Hazardous Waste Management Rules, 2016.
			Used Lead Acid Batteries ~50 Nos./Annum	Will be sold to MPCB/CPCB registered recycler as per Batteries (Management & Handling) Rules, 2001.
			E- Waste ~0.125 Tonnes/annum	Will be sold to vendors as per E-Waste Management Rules, 2016.
Details of advertisement is given	Public Hearing Notice published in News papers, Hit w			

	adda' and Lokmat" dated 25 th November, 2025
Date of Public Consultation	29 th December, 2025 at 11:00 AM
Venue	At Proj



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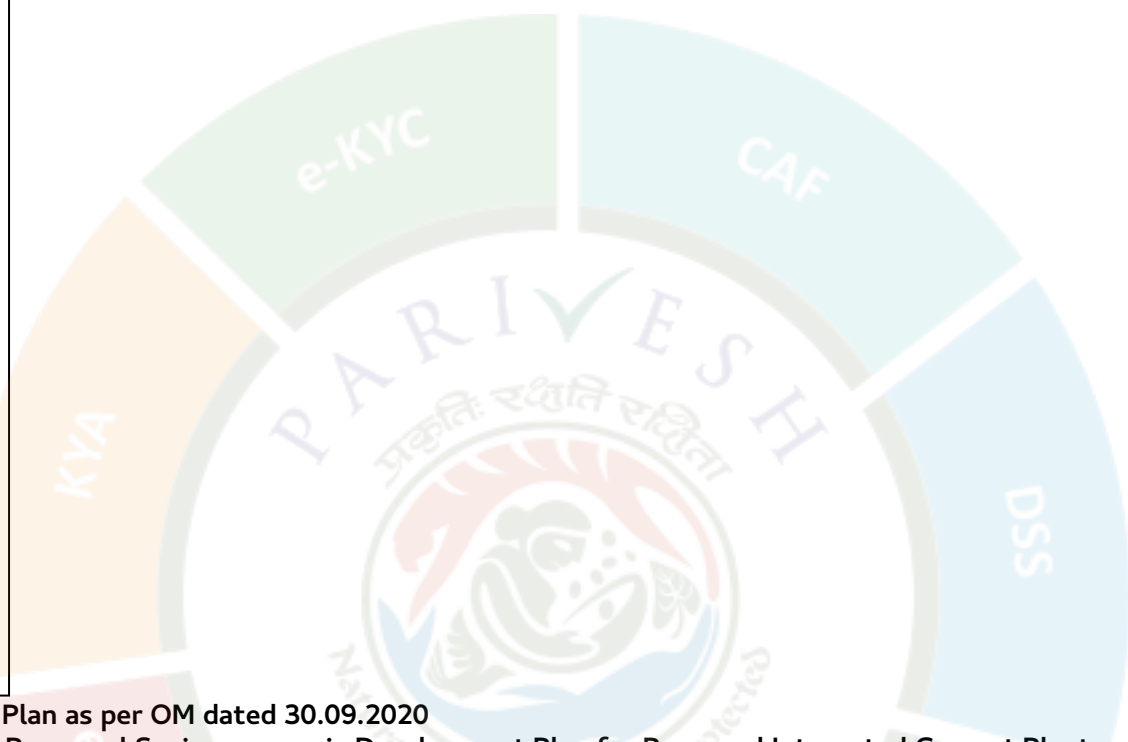


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Action Plan as per OM dated 30.09.2020

Proposed Socio- economic Development Plan for Proposed Integrated Cement Plant

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
1	Employment Related	Setting up/ Support of skill development training center with help & support of Gram panchayat of respective village to Providing job-oriented training programs for	Kondhala	70	Dahegaon	70	Belgaode sh	70	210

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)	
			1 st Year		2nd Year		3rd Year			
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
		For unemployed youth. Vocational training (tailoring, goat farming, dairy farming, beauty Parlor, etc.) and guidance camps for loans and subsidies will be organized for women's self-help groups.								
		Gram panchayat of respective village to setup microenterprises under company's entrepreneurship development programs & also some provision for differently abled persons in employment as per their qualification.	Nimsada	40	Kondhala	40	Belgaode sh	40	120	
2	Education Related	Construction/Renovation of Classroom, ground for cultural activities, Sanitation facilities of government school	Dongargaon & Kondhala	70	Belgaonde sh & Nimsada	70	Atmurdi & Dahegaon	45	185	

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		buildings & School bus for students of nearby villages.							
		Upgrade the classrooms in Smart classes by Installation of computers, projector and wifi facilities in the Government schools to promote Digital education	Kondhala	20	Nimsada & Dahegaon	20	Majra Rai & Atmurdi	20	60
		Sports activities by providing Sports Kit to schools (cricket kit / Table Tennis / basketball / badminton kit etc) and support local youths / sports club for organizing the sports events in the area	Kondhala & Chinora	14	Nimsada & Mohabala	14	Dahegaon & Chinora	14	42
		STEM (Science, Technology, Engineering and Mathematics) Learning by support to setting up Scienc	Kondhala	10	Nimsada	10	Dahegaon	10	30

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		e Labs in Govt Schools							
		Provide the Scholarships for meritorious and under privileged students. Develop Anganwadi centres, and also provide free notebooks, text books, uniforms, school bags, and stationery to students every year.	Kondhala	14	Dahegaon	14	Nimsada	14	42
		Development of Libraries in nearby Govt. Schools in consultation and support of Gram Panchayat/ concerned authorities	Nimsala & Kondhala	20	Dahegaon & Belgandesh	20	Chinora & Dongargaon	20	60
		Developing the Playground along with sitting up the necessary arrangement, Volleyball Post with net and Football goal post and Cricket Pitch with the consultation	Kondhala	10	Nimsada	10	Dahegaon	10	30

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		of Gram Panchayat							
3	Environment Related	Conservation and plantation of indigenous trees and Avenue plantation at internal roads with the consultation of Gram Panchayat	Kondhala & Dongargaon	10	Nimsada & Belgandesh	10	Dahegaon & Naideo	10	30
		Support to Gram Panchayat for Development of Grazing/ pasture land with support of gram panchayat	Kondhala	10	Dahegaon	10	Nimsada	10	30
4	Health Related	Support to provide the infrastructure facilities to healthcare centers/ dispensary and provide first aid kits in schools & community centers and facilities for free health checkups in consultation of Gram Panchayat	Kondhala	25	Nimsada	25	Dahegaon	25	75
		Support for renovation of	Dahegaon & Belgao	40	Kondhala & Donga	40	Nimsada & Yensa	40	120

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)	
			1 st Year		2nd Year		3rd Year			
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
		primary health centres, and providing Medical Instruments to the Govt. Hospitals such as x – ray machines, ECG machines, Maternity facilities, Tonometer & Phoropter for eye check-up, Oscope for ear Check-up as per requirement.	ndesh		rgaon					
		Ambulance facility in nearby village	Kondhala and Nimsada	20	Dahegaon and Belgandesh	10	Dongargaon and Atmuri	10		40
		Strengthening of Angwandi's & providing health facilities.	Kondhala & Nimsada	14	Dahegaon & Belgandesh	14	Chinnora & Dongargaon	14		42
		A regular and systematic free health check-up program for the villagers will be conducted to monitor their overall health, identify any emerging health issues and provide necessary	Kondhala & Dongargaon	10	Nimsada & Yensagaon	10	Dahegaon & Belgandesh	10		30

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		y treatments or preventive measures							
		Support to Gram Panchayat for Installation of various public boards & posters to create awareness regarding communicable diseases & public hygiene	Nimsala & Kondhala	5	Dahegaon & Belgaoondesh	4	Nimsada & Yensa	5	14
5	Water Related	Installation of RO/UV Plants to provide safe drinking water at Villages with the consultation of local Gram Panchayat	Kondhala & Atmurdi	30	Dahegaon & Belgaoondesh	30	Nimsada & Yensa	30	90
		Deepening & beautification of existing ponds and facilitate the water harvesting facility & water conservation Measures in the area with the consultation of local Gram Panchayat	Dahegaon & Belgaoondesh	10	Kondhala & Atmurdi	10	Nimsada & Yensa	10	30
		Supply of wa	Kondhala	20	Dahegaon	20	Belgaode	20	60

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		ter through water tankers in nearby Villages with the consultation of local Gram Panchayat	& Nimsada		n & Dongargaon		sh & Atmurdi		
		Restoration of Water ponds / percolation tanks by desilting, clearing the water paths, strengthening the banks etc., and Development of wells and step wells with the consultation of local Gram Panchayat	Dahegaon & Dongargarh	25	Kondhala & Nimsada	15	Belgaodesh & Atmurdi	15	55
6	Agriculture Related	Organize the Training and awareness programmes on mixed farming development with the consultation of local Gram Panchayat	Kondhala & Belgao ndesh	10	Nimsada & Dongargaon	10	Dahegaon & Atmurdi	10	30
		Distribution of good quality seeds to farmers, encouragement for organic fa	Belgaodesh & Atmurdi	20	Kondhala & Nimsada	20	Dahegaon & Dongargarh	20	60

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		forming, linkage of farmers to the source to get Organic materials and fertilizers							
		Provide water-efficient irrigation kits to farmers with the consultation of local Gram Panchayat	Kondhala	25	Nimsada	25	Dahegaon	25	75
7	Socio- Economic Development	Support to Gram Panchayat for Construction of cow shed and providing water facility for animals & Development of Fodder centre for animals.	Dongargaon & Atmuri	30	Kondhala & Nimsada	30	Dahegaon & Belgao ndesh	30	90
		Support to Gram Panchayat for Construction and Strengthening of road network at nearby Villages.	Kondhala & Nimsada	100	Dahegaon & Belgao ndesh	100	Dongargaon & Atmuri	100	300
		Promotion of green energy infrastructure through Solar Street lights in the	Kondhala & Nimsada	10	Dahegaon & Belgao ndesh	10	Dongargaon & Atmuri	10	30

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)	
			1 st Year		2nd Year		3rd Year			
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs		
		Villages								
		Support to Gram Panchayat to Construction of community hall.	Kondhala	40	Dahegaon	40	Nimsada	40	120	
	Total			722		701		677	2100	
NOTE: Nature of the activities & village can be interchanged from village to village may vary based on the outcome of need base analysis during the execution phase in coordination with local Gram Panchayat within the overall budget proposed here for Socio- Economic Development Plan.										

Proposed Action Plan for Model Village Development

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)									
S. No.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
1.	Skill Development	Providing Job oriented skills training centre to unemployed youth (100 trainees)	Village Kondhala	5	Village Dahegaon	5	Village Nimsada	10	20
		Providing Trainings to farmers regarding conservation of water & Soil, vermi composting etc. with the consultation of local Gram Panchayat	50 trainees / Covering all villages with focus on Village Nimsada	10	50 trainees / Covering all villages with focus on Village Kondhala	18	50 trainees / Covering all villages with focus on Village Dahegaon	10	38

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)

S. No.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		Support to Gram Panchayat for Creating Model Anganwadi (01 in each village)	Village Nimsada	10	Village Kondhala	20	Village Dahegaon	10	40
		Capacity Building and providing with tools for women empowerment under ODOP Scheme (One District One Product) & for the development of the self-help saving groups with the consultation of local Gram Panchayat	130 women covering all villages	6	130 all villages	6	130 women covering all villages	6	18
2.	Rural & Infrastructure Development	Providing of Solar Panels in the Government / Municipal / other public schools, hospitals and Dispensaries in nearby villages	Village Kondhala	8	Village Nimsada	8	Village Dahegaon	16	32
		Support for Infrastructure development in Govt Schools & in all 03 villages	Village Nimsada	12	Village Dahegaon	12	Village Kondhala	24	48

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)

S. N o.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
3.	Water Conservation	Training and awareness programs on water conservation will also be organized for the locals	Village Dahegaon	4	Village Kondhala	4	Village Nimsada	4	12
		Construction of Rainwater & roof-top Harvesting Structures with the consultation of local Gram Panchayat	Govt schools in Kondhala	12	Govt schools in Nimsada	24	Govt schools in Dahegaon	12	48
		Restoration of Water ponds / percolation tanks by desilting, clearing the water paths, strengthening the banks etc., and Development of wells and step wells with the consultation of local Gram Panchayat	Village Kondhala	12	Village Dahegaon	6	Village Nimsada	6	24
4.	Education	Educational support to economically weaker students and help them for job-oriented skill development	Scholarship program for meritorious and economically weaker students in all 03 vil	10	Scholarship program for meritorious and economically weaker students in all 03 vil	10	Scholarship program for meritorious and economically weaker students in all 03 vil	10	30

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)

S. N o.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentativ e Budget (Rs. In La khs)
			Location / Area	Budget in La khs	Location / Area	Budget in La khs	Location / Area	Budget in La khs	
		by providing training in skill development center.	lages		lages		lages		
		Support for sports activities by providing Sports Kits to schools (Cricket kit / Table Tennis / Basketball / Badminton Kit etc) and support local youths / sports club for organizing the sports events in the area	In all 03 villages	8	In all 03 villages	8	In all 03 villages	8	24
5.	Health and water	Organizing Medical Camps in all villages.	Covering all villages	20	Covering all villages	20	Covering all villages	20	60
		Infrastructure support for dispensary center and providing first aid kits in schools & community centers	Village Kondhala	10	Village Nimsada	10	Village Dahegaon	10	30
		Providing safe drinking water by providing RO facility in all 03 villages with the consultation of local g	Village Kondhala	20	Village Nimsada	10	Village Dahegaon	10	40

Model Village Development Plan- Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)

S. N o.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		Gram panchayat							
		Installation of various public boards & posters to create awareness regarding communicable diseases & public hygiene with the consultation of local gram panchayat	Village Nimsada	3	Village Dahegaon	6	Village Kondhala	3	12
6.	Afforestation	Raising of Avenue Plantations and Plantations in Public/ Community Areas with the consultation of local gram panchayat	2500 Saplings covering all villages	8	2500 Saplings covering all villages	8	2500 Saplings covering all villages	8	24
				158		175		167	500
Grand Total									500

Sr. No.	Particulars	Capital Cost in Rs. Lakhs	Recurring Cost in Rs. Lakhs
1	Pollution Control during construction stage (Dust suppression, Wastewater treatment and Disposal, Roads, Monitoring, Muck disposal)	100.00	10.00
2	Air Pollution Control	15348.00	196.00
3	Water Pollution Control	350.00	65.00

Sr. No.	Particulars	Capital Cost in Rs. Lakhs	Recurring Cost in Rs. Lakhs
4	Noise Pollution Control	80.00	3.00
5	Environmental Monitoring	406.00	29.00
6	Hazardous Waste Storage & Handling	50.00	5.00
7	Occupational Health & Safety	75.00	5.00
8	Greenbelt and plantation	105.83	10.00
9	Drip irrigation System & Water Sprinkling	20.00	2.00
10	RWH pond and Storm Water Management	100.00	10.00
11	Organic Waste Converter & Its Facilities	15.00	2.00
12	Others (Housekeeping and Municipal Waste Management)	50.00	3.00
Total		16700	340

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
Schools				
	Z.P.U.PRY. School kondhala	~1.40 Km	SSE direction	- o Avenue Plantation will be carried out around the boundary of the schools in the village - o To mitigate both Dust and Noise generated due to the plant activities, Shree Cement Limited will develop 3 tier Greenbelt along the plant boundary towards Village. - o Low noise compressors and blowers will be installed to minimize the noise level. - o No waste water will be generated from cement manufacturing process. However, waste water generated from CPP and WHRS will be treated in neutralization pit and same will be reused in dust suppression and mill spray. Waste water generated from domestic use i.e. office toilets, canteen will be treated in STP and STP treated water will be reused for greenbelt and plantation purpose. Zero liquid discharge will be maintained from the premises. - o Company will also explore the possibility of the railway in future to avoid road transportation. There will be reduction in the number of trucks after ins
	Zilla Parishad School, Dahegaon	~ 1.5 km	West direction	
	Z.P. PRY. School Aatmurdi	~2.5 Km	North direction	
	Z.P. PRY. School Naydeo	~2.9 Km	SSW direction	

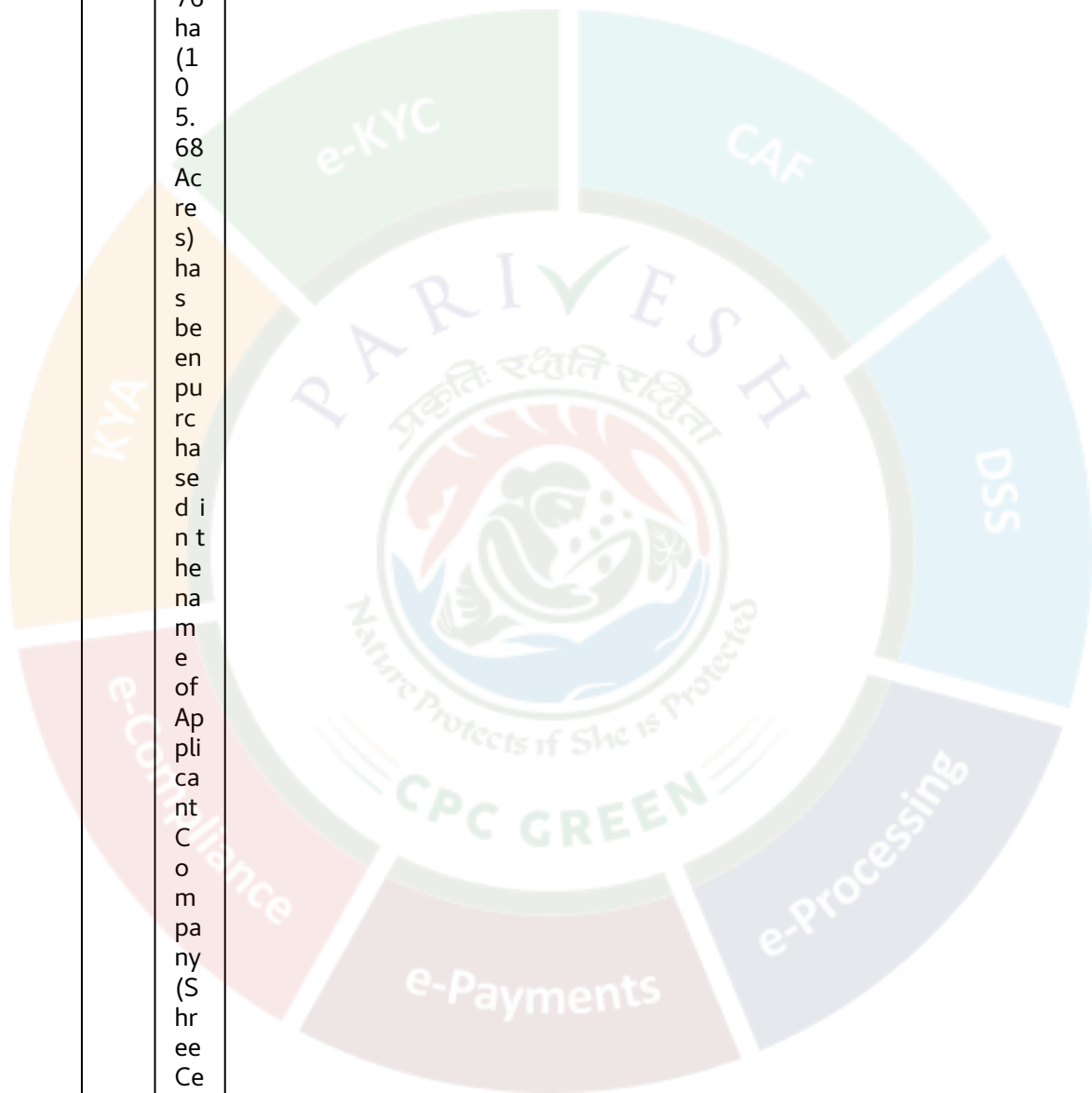
S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
				tallation of railway siding which will turn out to be beneficial to the environment in terms of global CO2 emission reduction, reduction in GHG emission. - o The industry will undertake CER / CSR activities for maintenance, plantation, drinking water, or sanitation for the development of schools. - o Conduct regular health check-up camp for nearby communities, including school children (through CSR).
Habitation				
	Village Kondalga	~ 1 km	NNE direction	- o 2 nos. Fog canon system will be provided to suppress dust emission in raw material handling area. - o Water Sprinkling system will be installed at the internal roads to control fugitive emission - o Transportation of raw material will be done through road via trucks covered by tarpaulin. - o Extensive Plantation along village roads and community land shall be undertaken to prevent air and noise pollution. Dust-tolerant, native tree species with thick foliage to act as a pollution barrier. - o 42 Nos. Bag filter at Clinkerization Pyro Plant - 41 Nos. Bag filter at Cement Mill and 05 Nos. Bag filter at CPP Boiler will be installed to control fugitive emission. - o High efficiency bag houses will be provided at main process Raw material & Kiln section, Coal mill section and Cement mill section and high efficiency ESP will be provided at Cooler section and Captive Power plant. - o Bag filters will be installed at all raw material transfer points & Silo top - o Stack emission from all the stacks will be maintained within 30 mg/Nm³ - o Internal roads will be concreted and cleaning of the same will be done through vacuum cleaning machines. - o Dust collected from air pollution control equipment will be totally recycled in the process. - o Fly ash will be received through closed bulkers & fed into silo through pneumatic system. - o The packing machine will be equipped with dust extraction arrangement. - o Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. - o Monitoring of the emission level and ambient air quality will be done on continuous basis by installation of Continuous Emission Monitoring System at
	Village Dahegaon	~1.4 Km	West direction	
	Village Nimsadga	~1.3 Km	SE direction	
	Village Belgaoan Desh	~ 2.5 km	North direction	
	Naideo	~ 2.9 km	SSW direction	

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
				major stacks and Continuous Ambient Air Quality Monitoring Stations at plant boundary o Low NOx burners will be installed at kiln, calciner and captive power plant.
Religious Places				
	Pathana Mandir	~1.4 Km	West direction	o Movement of heavy vehicles shall be regulated and speed limit shall be maintained near places of worship. o To mitigate both Dust and Noise generated due to the plant activities, company will develop 3 tier Greenbelt along the plant boundary.
	Shiv Mandir, Kondala	~1.2 Km	SSE direction	
Water Bodies				
	Seasonal Nala	Passing through the project site	NNW direction	o No water body will be blocked due to any activities at the project site and free flow of water must be maintain. o During the construction and operation phase of the project the water body will not be disturbed in any case o The entire process in the proposed project is ZLD based therefore no discharge from the project site will be done into the nearby waterbodies to protect the natural water quality of the same. o Zero waste discharge standards must be implemented to prevent solid or liquid waste discharge within the waterbodies. o Storm water drains will be made. The drains will be properly aligned in conformity with the site drainage pattern. o Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. o Regular monitoring of groundwater and surface water quality will be done.
	Canal	Adjacent to the project site, However, passing through main gate area	-	
	Lendi Nala	0.7 km	NW direction	
	Daiwal Nadi	~1.5 km	West direction	
	Sonariya Nala	~2.0 km	ESE direction	
Reserved & Protected Forest Area				
	Shegaon RF	~ 5.5 Km	ESE direction	There is no forest area in close proximity of the plant site.
ASI Protected Site/ Heritage Site				
	None within the study area.			
National Park/ Wildlife Sanctuary/ Tiger Reserve				

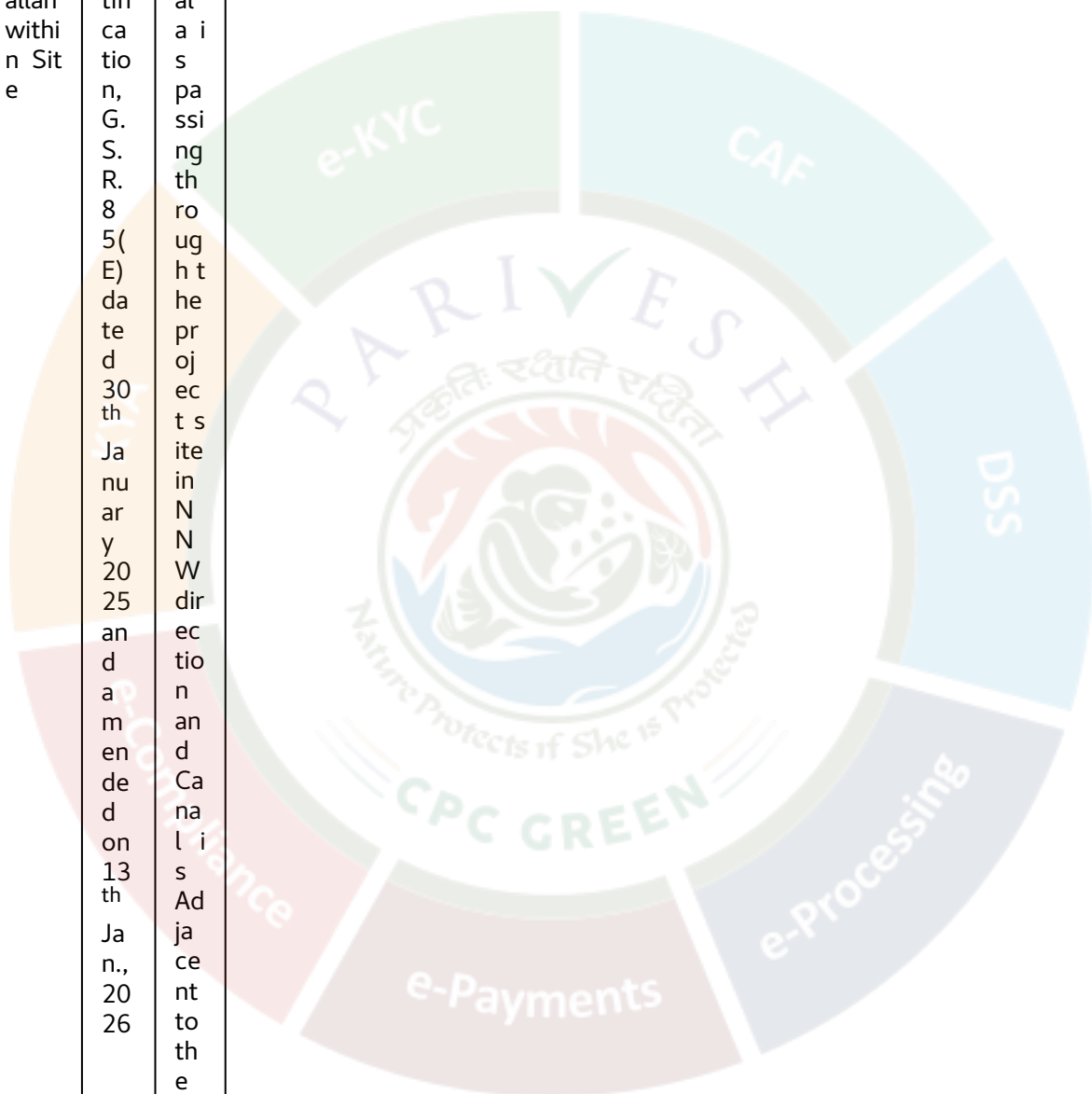
S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
	Tadoba – Andheri Tiger Reserve	~ 27 km	East direction	There is no forest area in close proximity of the plant site.

S. No	Particulars	Applicability of OM	Compliance Status
	Land Acquisition	MoEF & CC O.M. dated 07.10.2014 and OM of MoEF & CC, New Delhi dated 20th Feb., 2025	The total land area for the proposed plant is 42.76 ha (105.68 Acres). Compliance Land i.e. 4

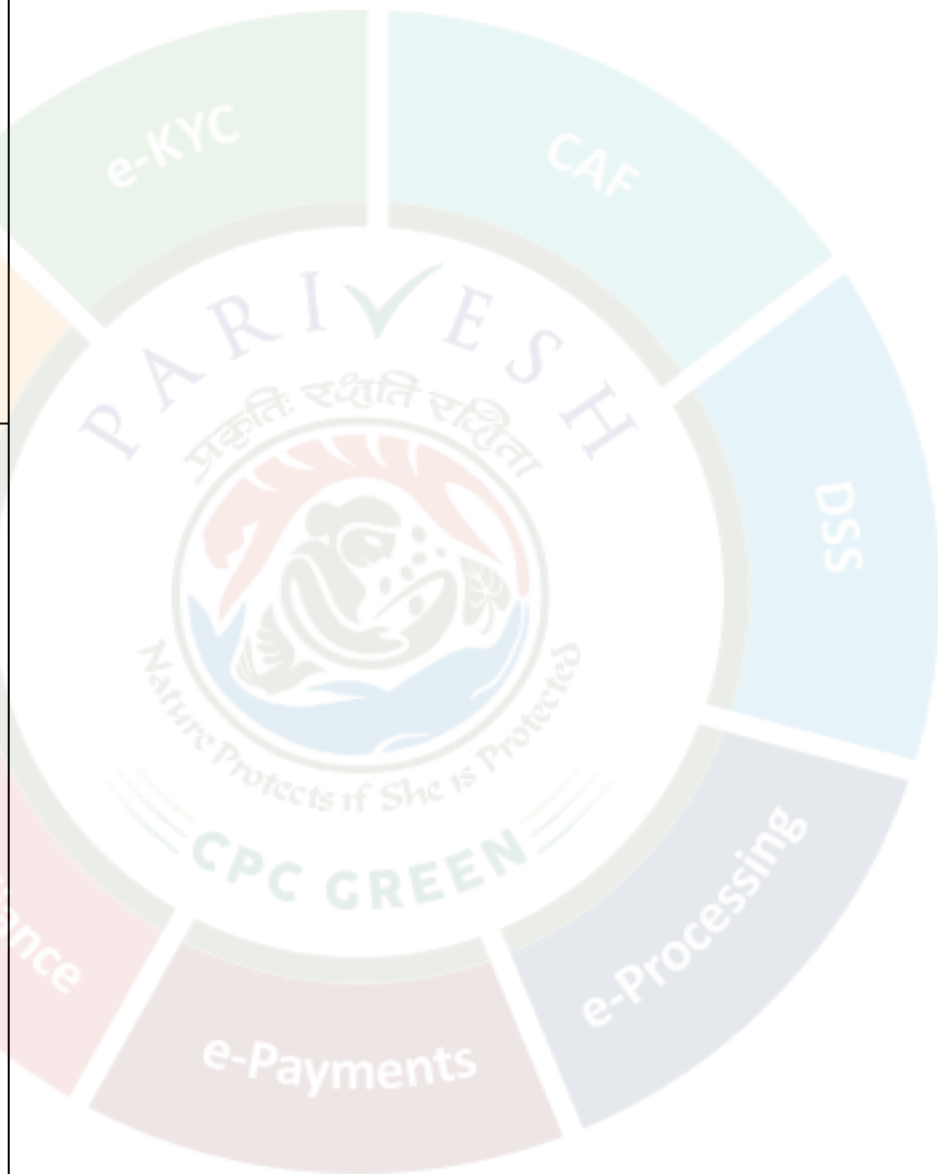
S. No	Particulars	Applicability of OM	Compliance Status
			2. 76 ha (105.68 Acres) has been purchased in the name of Applicant Company (Shree Cement Limited).
	Presence of Stream	MoEF & CC	Seasonal

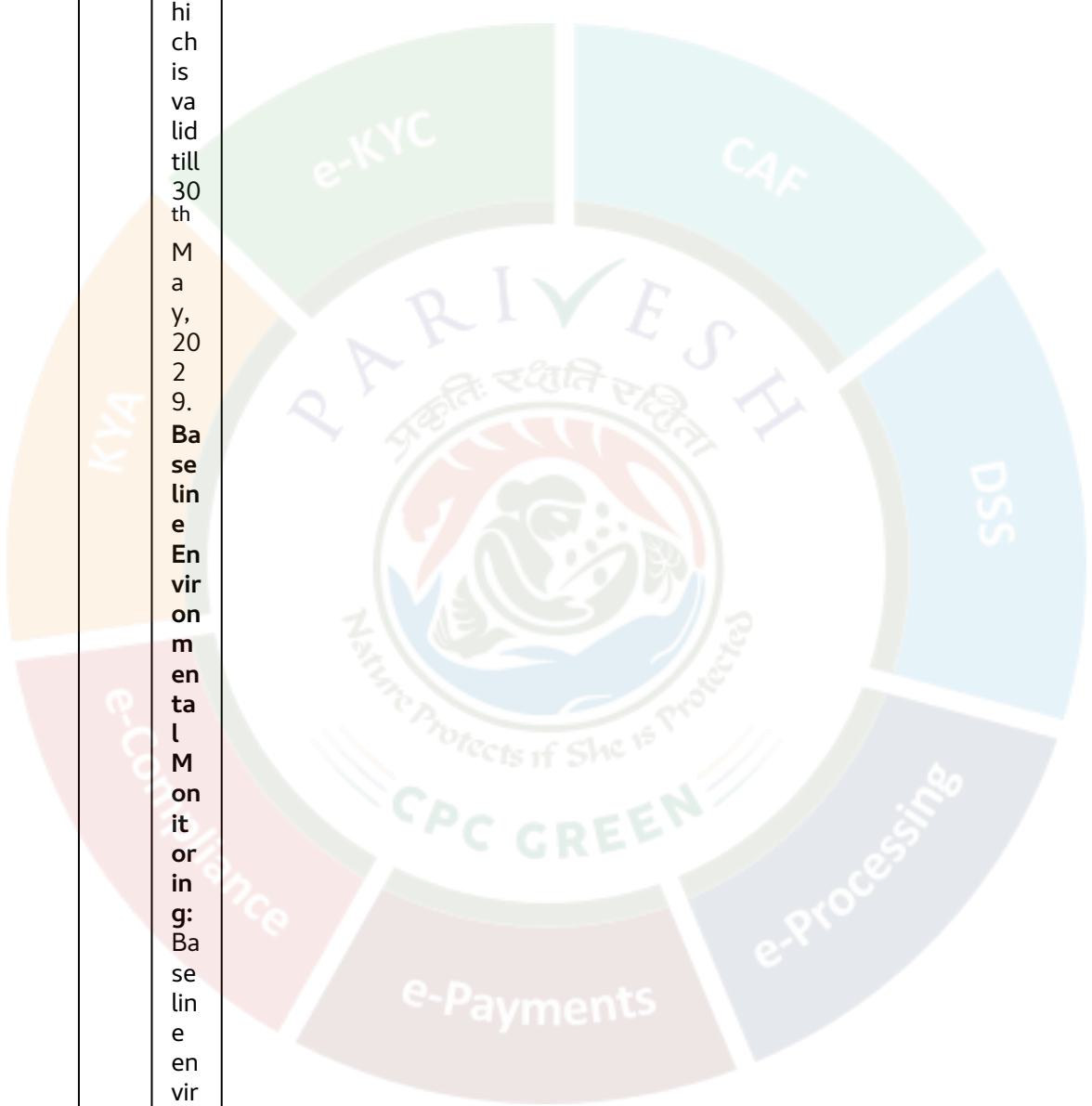


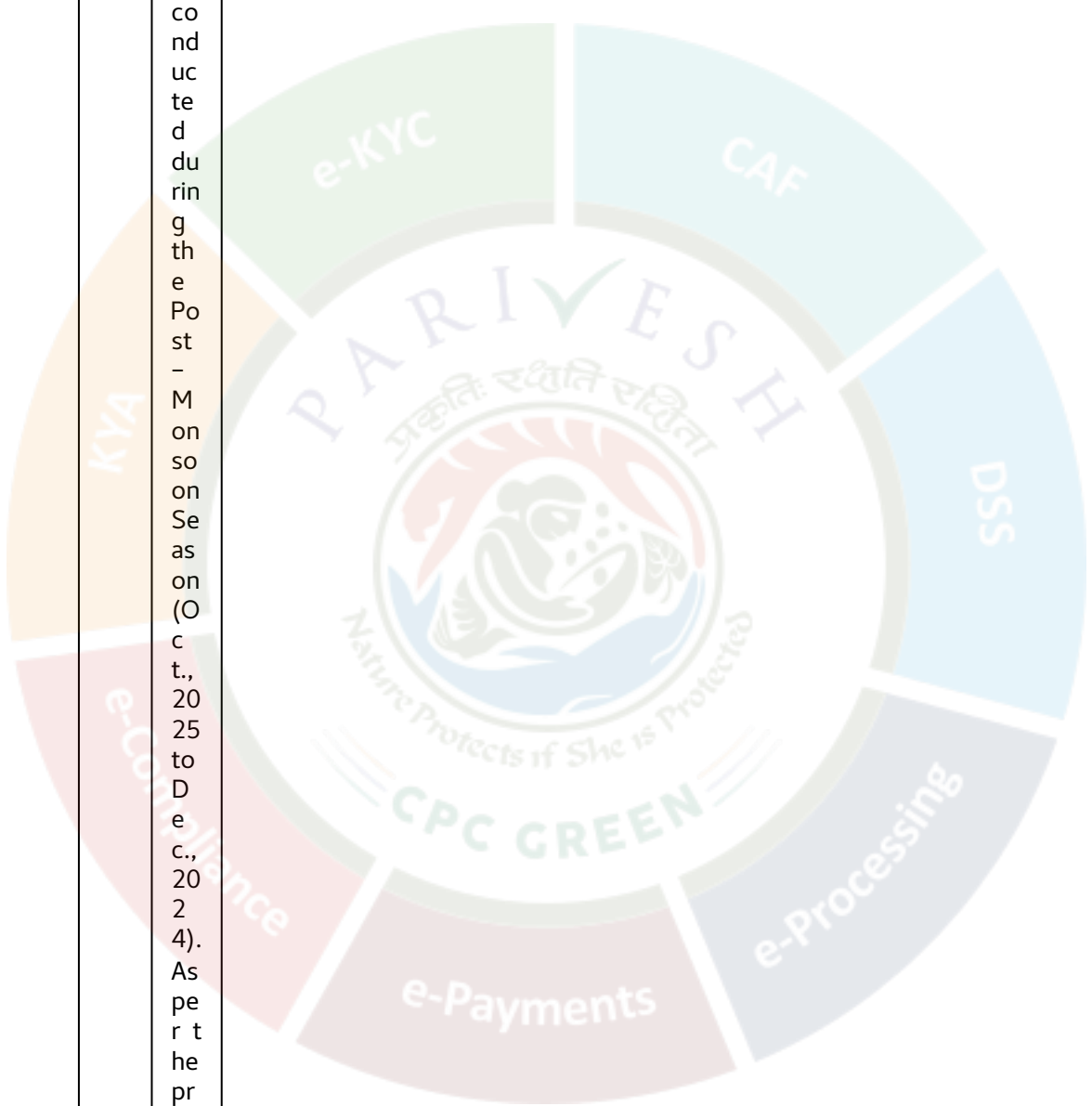
S. No	Particulars	Applicability of OM	Compliance Status
	m/Nallah within Site	Notification, G. S. R. 85(E) dated 30th January 2025 and amended on 13th Jan., 2026	Nalasis passing through the project site in NNW direction and Canelis Adjacent to the project site, However, pa



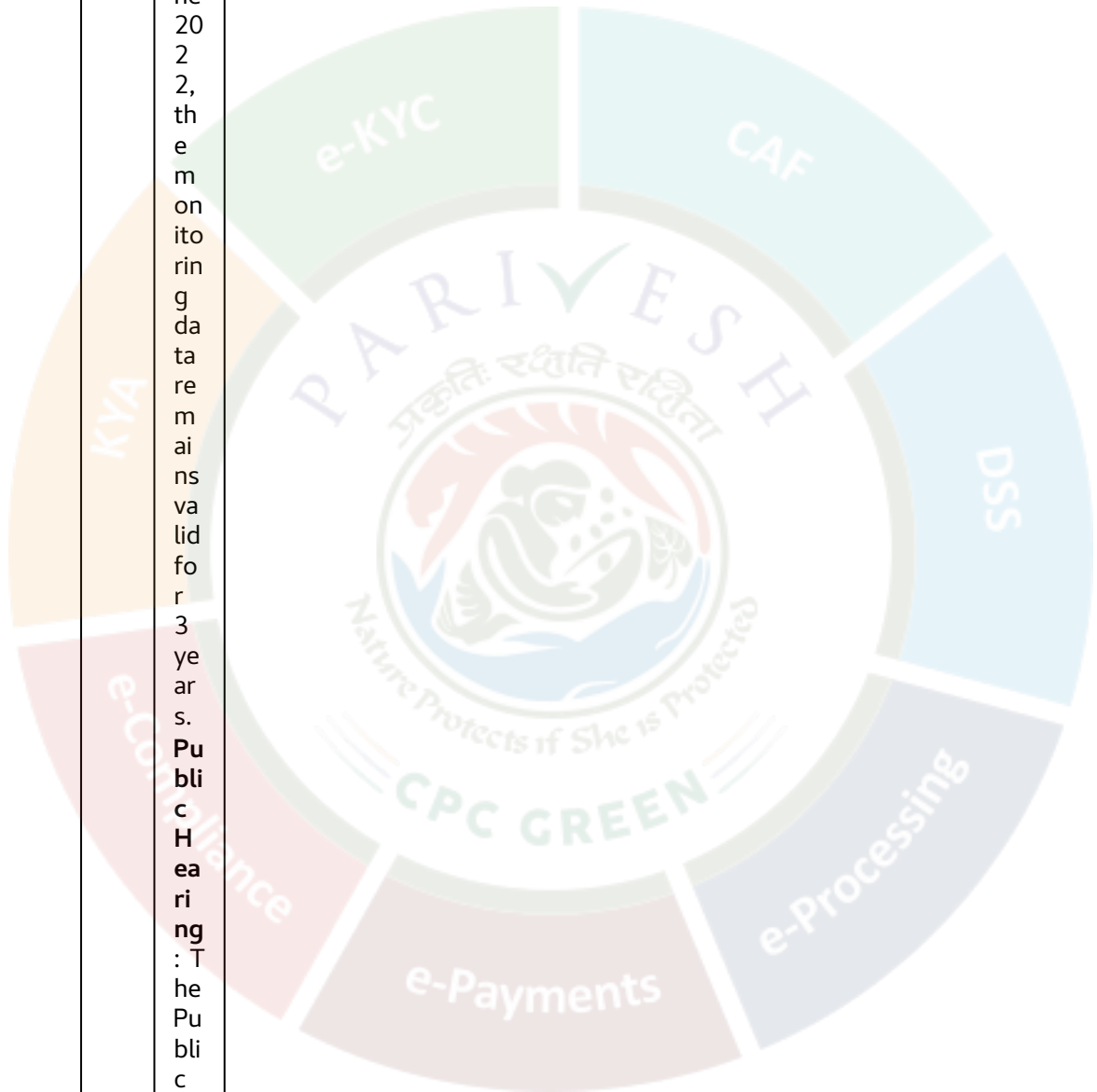
S. No	Particulars	Applicability of OM	Compliance Status
			ssing thorough main gate area.
	Validity of TOR, Baseline Data and Public Hearing	F. No. IA-3-22/110/2022-I.A.II [E 177258] OM dated 08th June 2022	Terms of Reference (TOR) Validity: The TOR was granted on 31st May, 2025

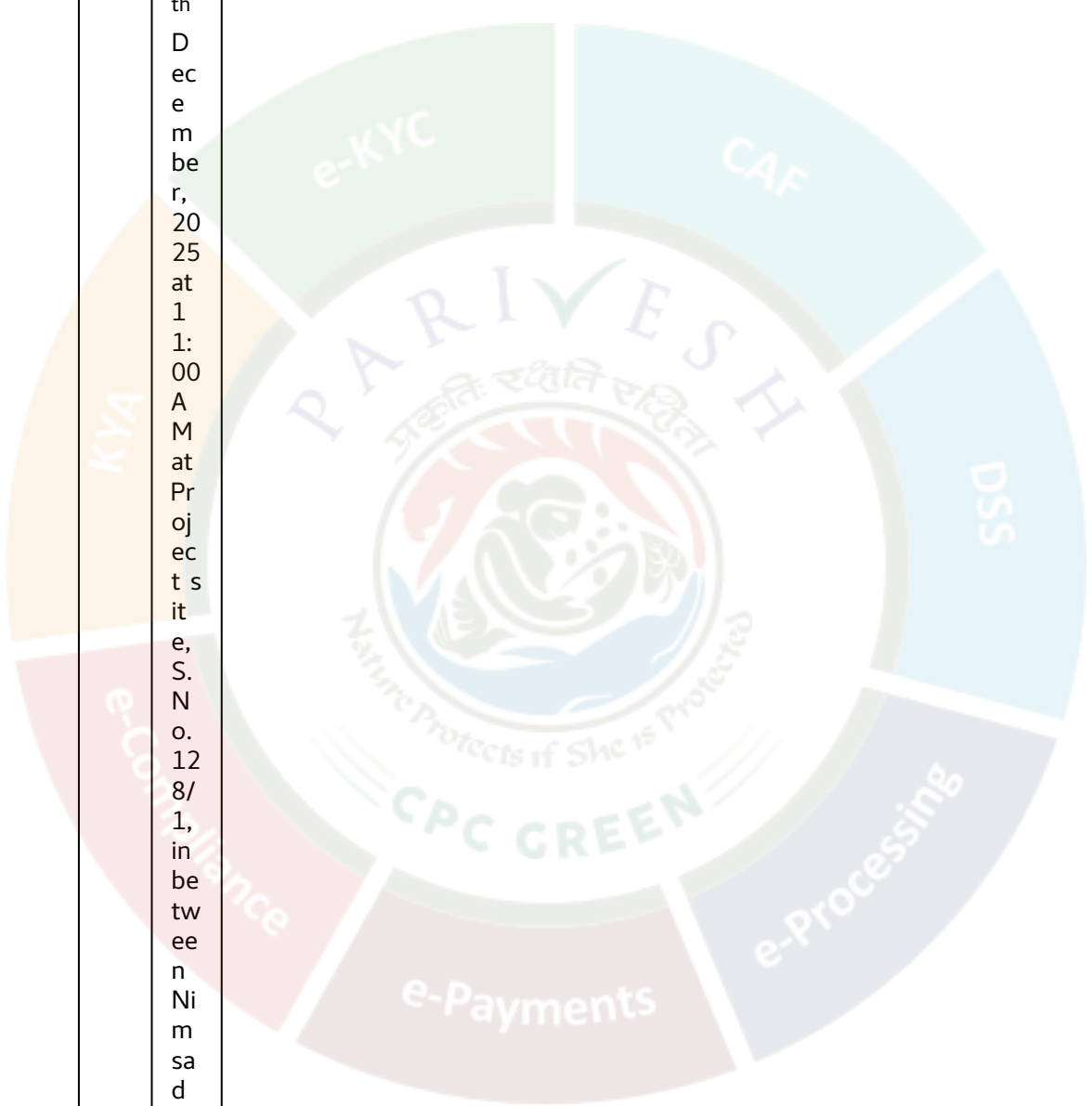


S. No	Particulars	Applicability of OM	Compliance Status
			which is valid till 30th May, 2029. Baseline Environmental Monitoring: Baseline environmental monitoring has been 

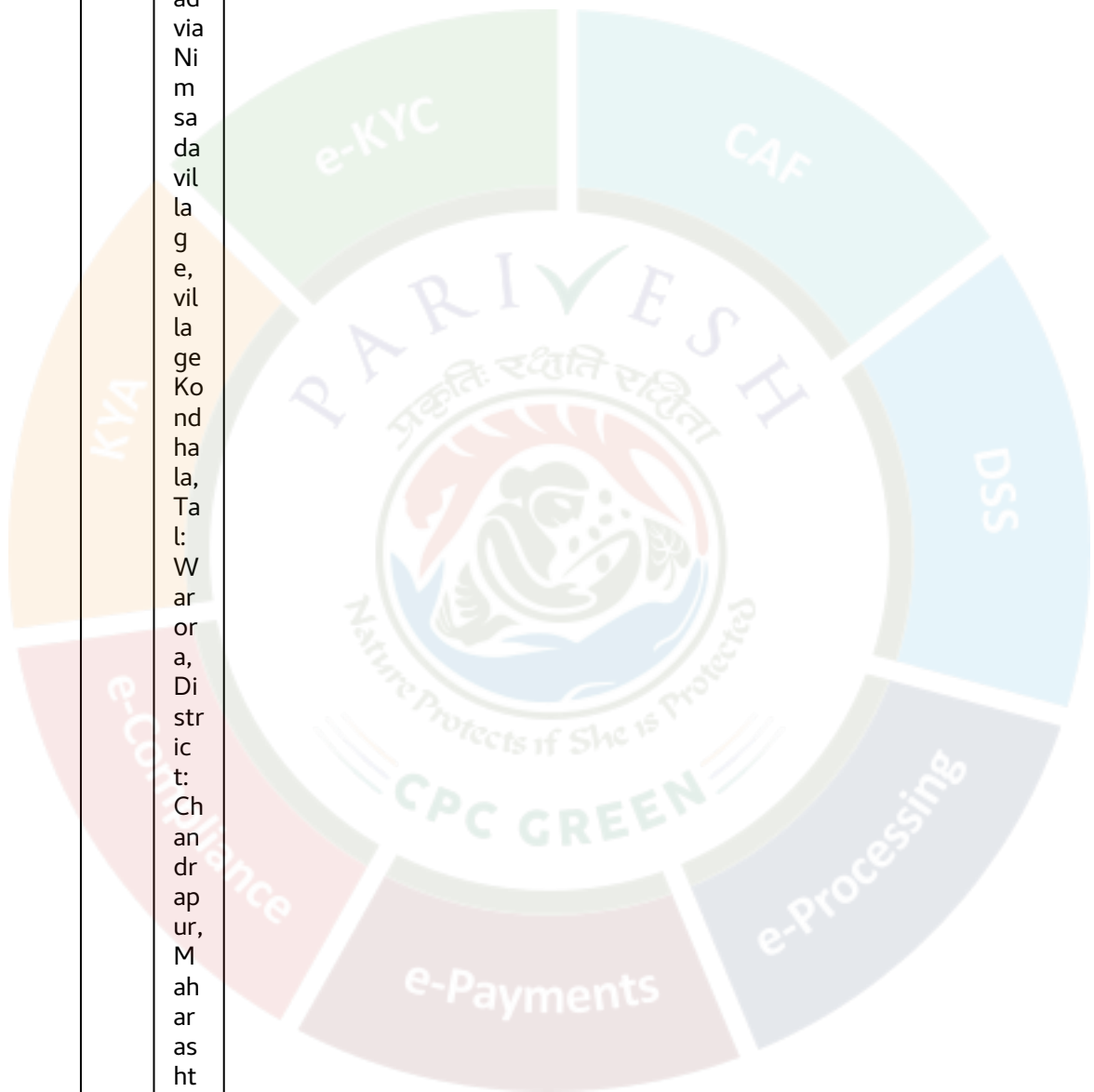
S. No	Particulars	Applicability of OM	Compliance Status
			 en co nd uc te d du rin g th e Po st - M on so on Se as on (O c t., 20 25 to D e c., 20 2 4). As pe r t he pr ov isi on s of O M da te d 08 th

S. No	Particulars	Applicability of OM	Compliance Status
			June 2022, the monitoring data remains valid for 3 years. Public Hearing: The Public Hearing was conducted on

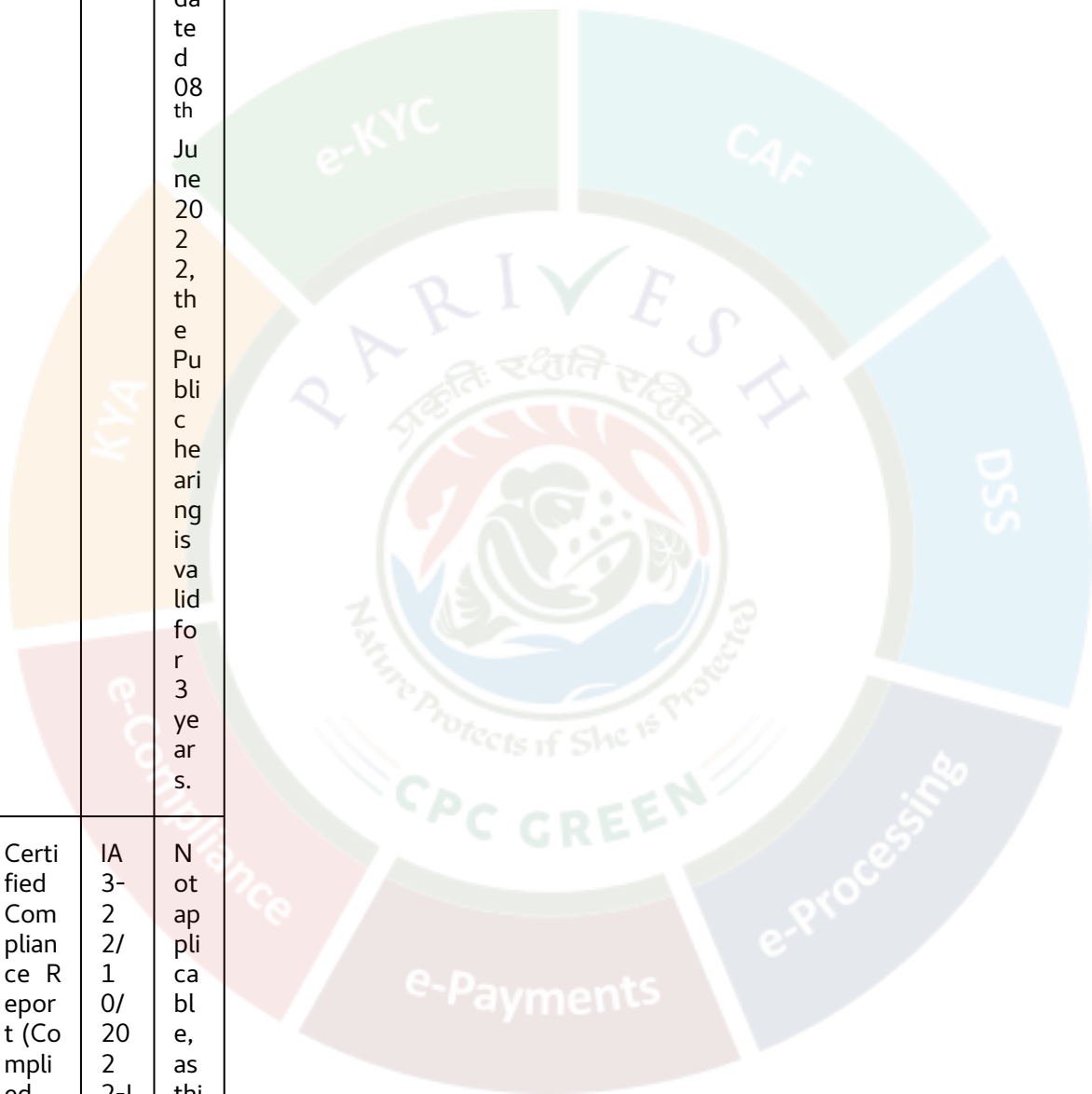


S. No	Particulars	Applicability of OM	Compliance Status
			29th December, 2025 at 11:00 AM at Project site, S. No. 128/1, in between Nimsa d a-Kondhalla village, Village 

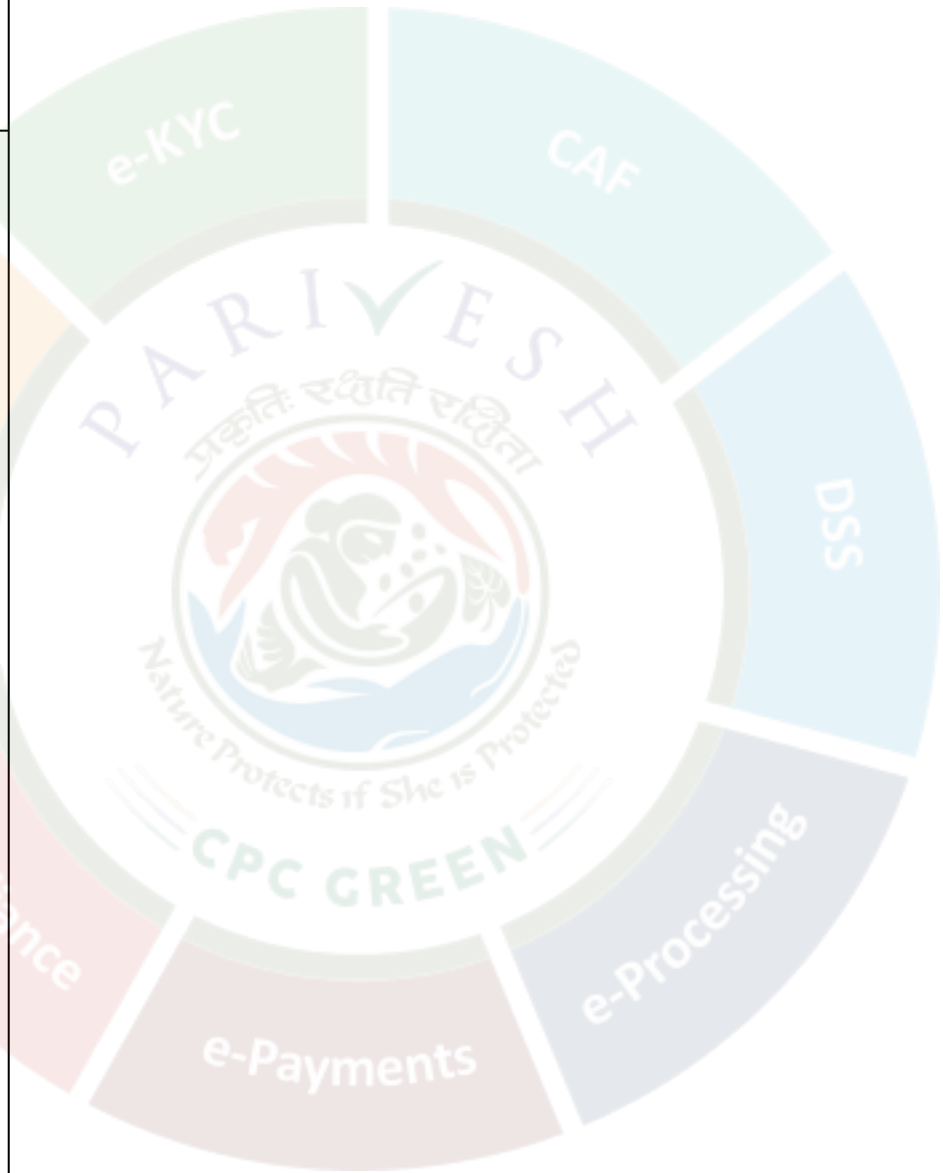
S. No	Particulars	Applicability of OM	Compliance Status
			road via Nimsa davalga, village, village Kondhala, Tal: Warora, District: Chandrapur, Maharashtra. As per the provisions of O



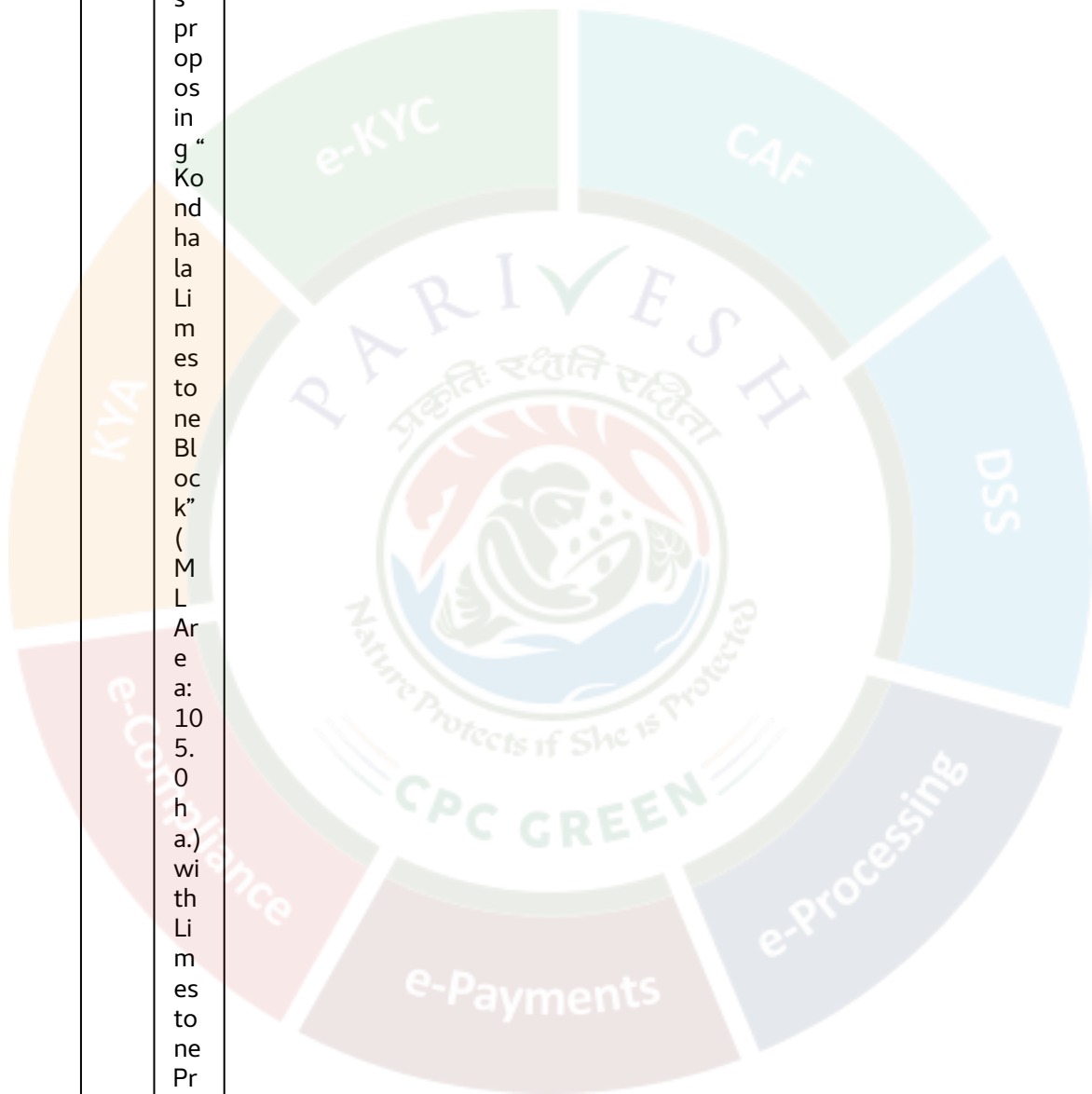
S. No	Particulars	Applicability of OM	Compliance Status
			M dated 08th June 2022, the Public hearing is valid for 3 years.
	Certified Compliance Report (Complied CC R)	IA 3-2/10/2022-I A.II [E 1772581] dated 0	Not applicable, as this is a greenfield project

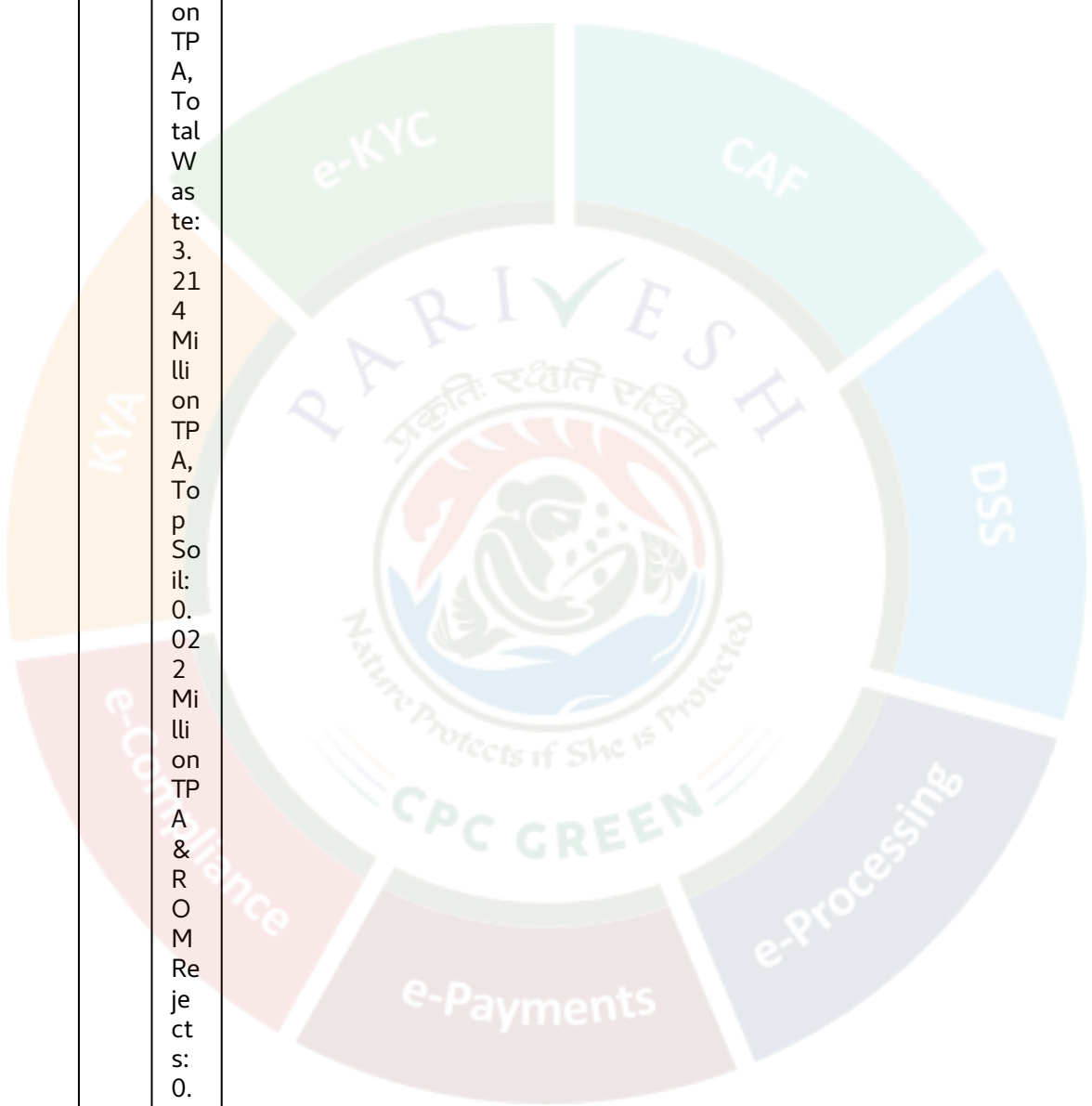


S. No	Particulars	Applicability of OM	Compliance Status
		8.06.2022	t.
	Details of any Inter-linked/Integrated project if any	F.No. J-11013/41/2006-IA. II(M) of E&CC O.M. dated 24/12/2010	To cater the requirement of 2.25 Million TP A in Integrated Cement Project "Share Cement Limited"

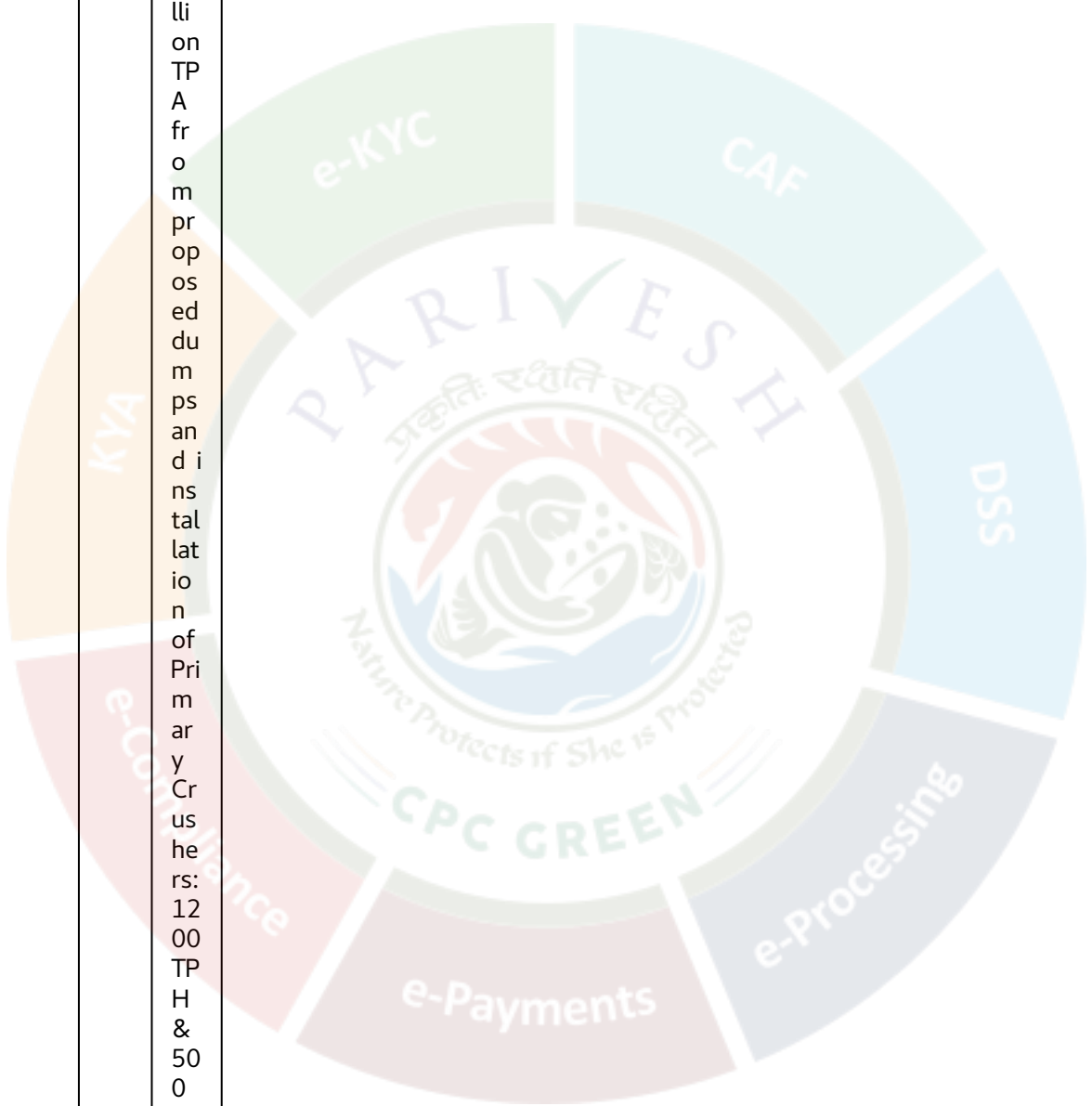


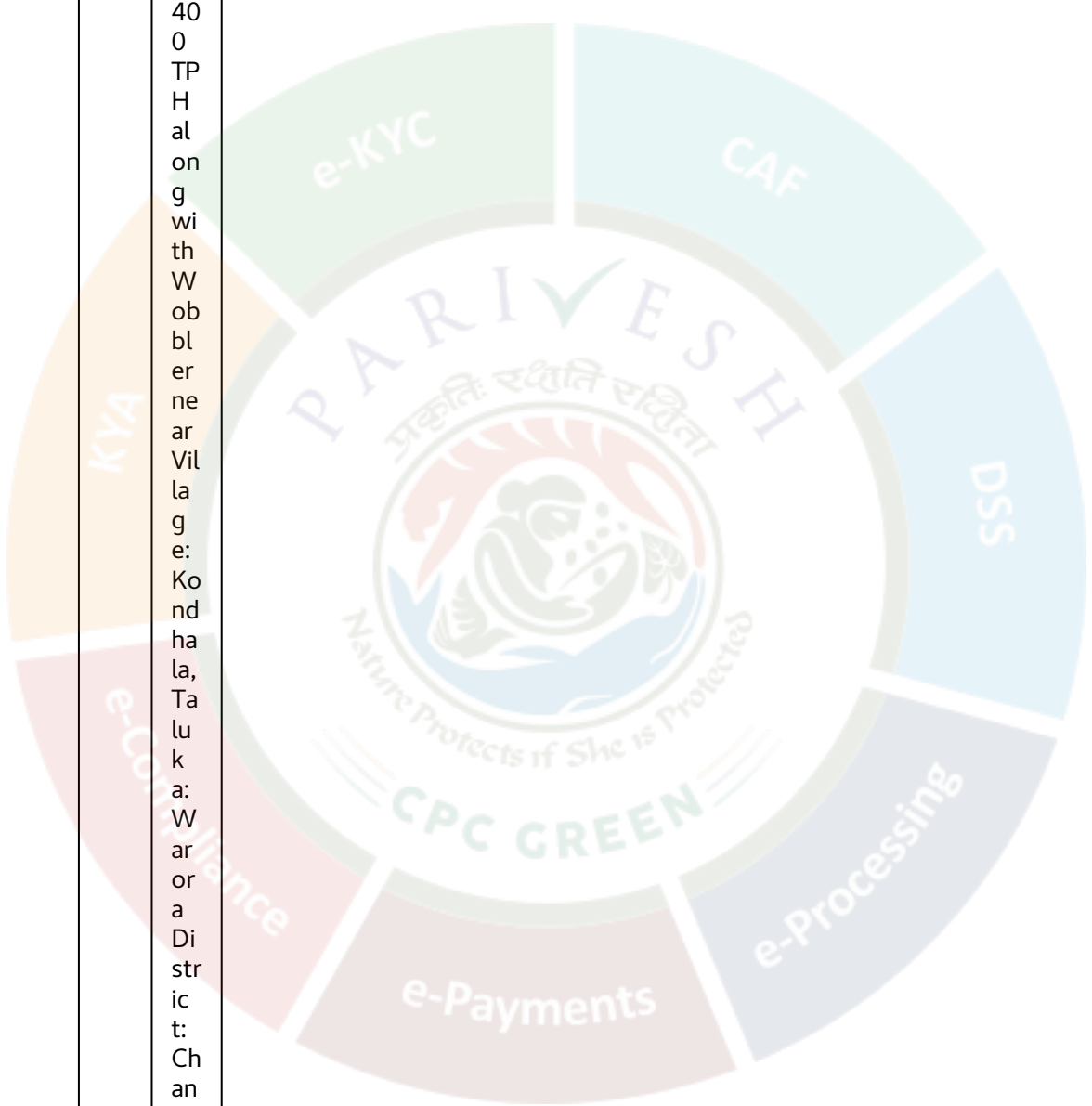
S. No	Particulars	Applicability of OM	Compliance Status
			disproportionate “Kondhala Limes to ne Block” (ML Area: 105.0 ha.) with Limes to ne Production Capacity of 2.25 Mi

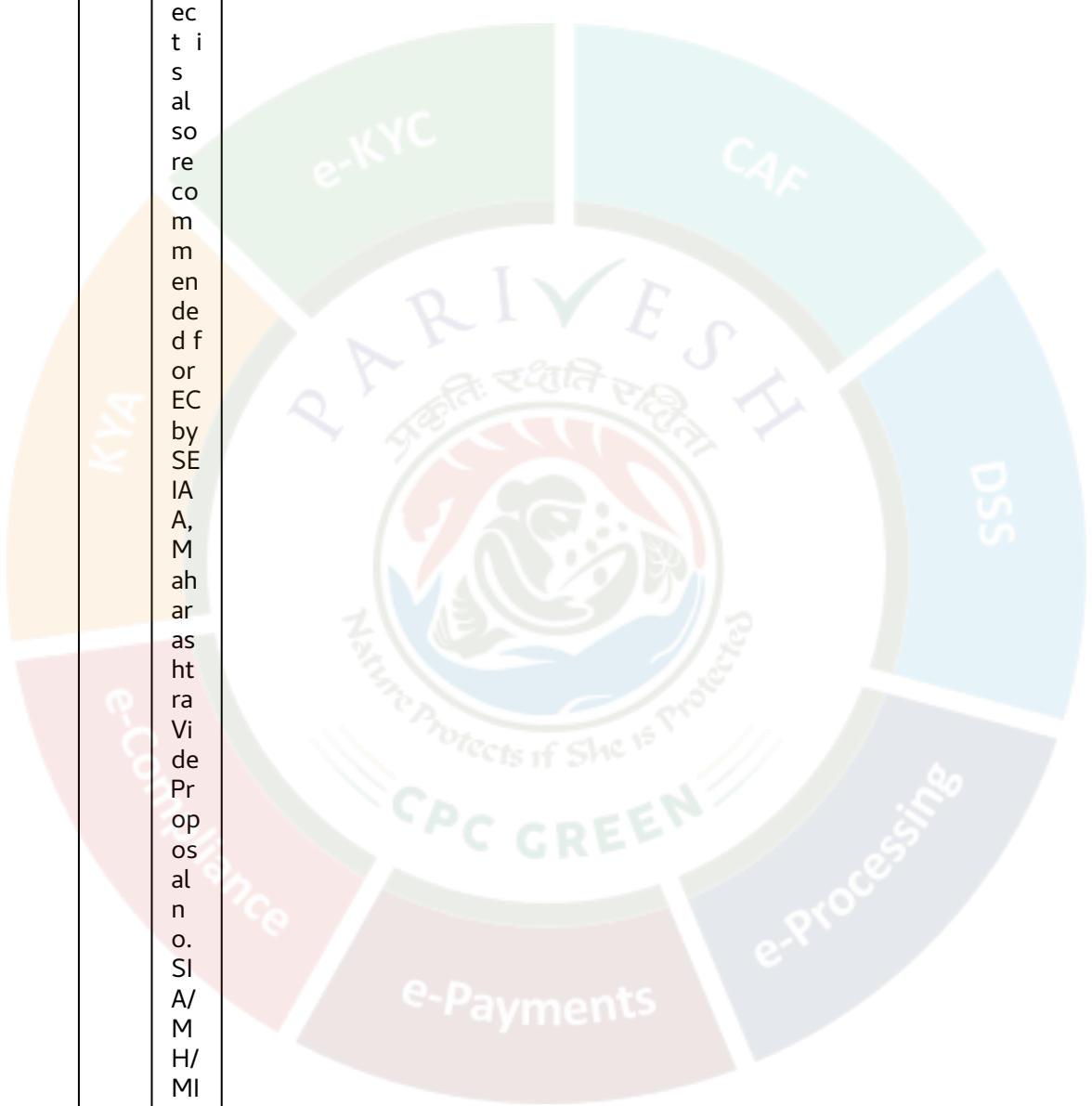


S. No	Particulars	Applicability of OM	Compliance Status
			 lli on TP A, To tal W as te: 3. 21 4 Mi lli on TP A, To p So il: 0. 02 2 Mi lli on TP A & R O M Re je ct s: 0. 22 5 Mi lli on TP A (T ot al Ex ca

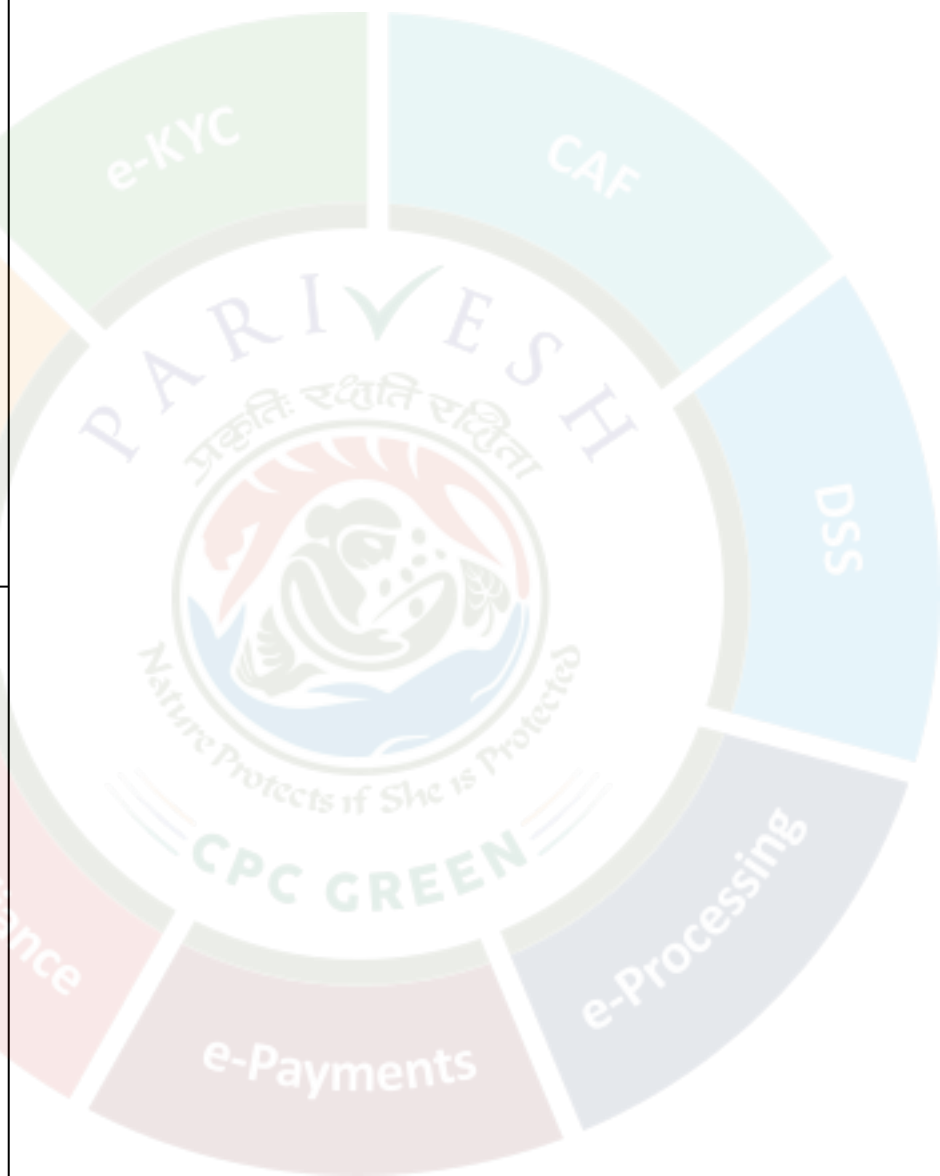
S. No	Particulars	Applicability of OM	Compliance Status
			The diagram features a central circular logo for "PARIVESH" with the motto "प्रकृति रक्षति रक्षितः" (Nature Protects if She is Protected) and "CPC GREEN". Surrounding this are eight segments representing different digital services: e-KYC, CAF, DSS, e-Processing, e-Payments, e-Compliance, KYA, and e-Sign. variation: 5.711 Million TP A) and total material handling: 6.711 Million TP A including Re handling of waste material: 1.0

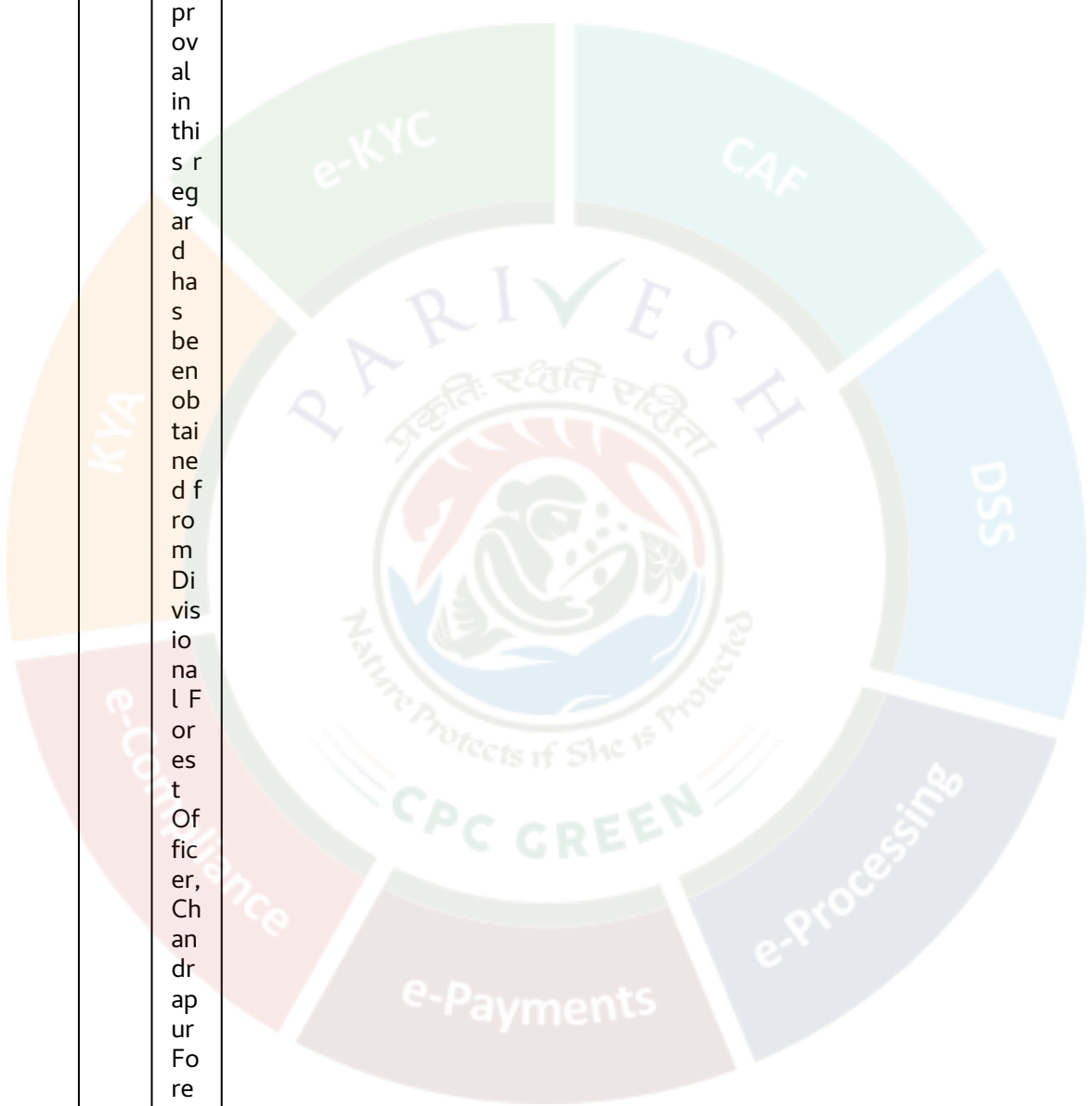
S. No	Particulars	Applicability of OM	Compliance Status
			 Million TP A from proposed dumps and installation of Primary Crushers: 12 00 TP H & 50 0 TP H and Secondary Crushers

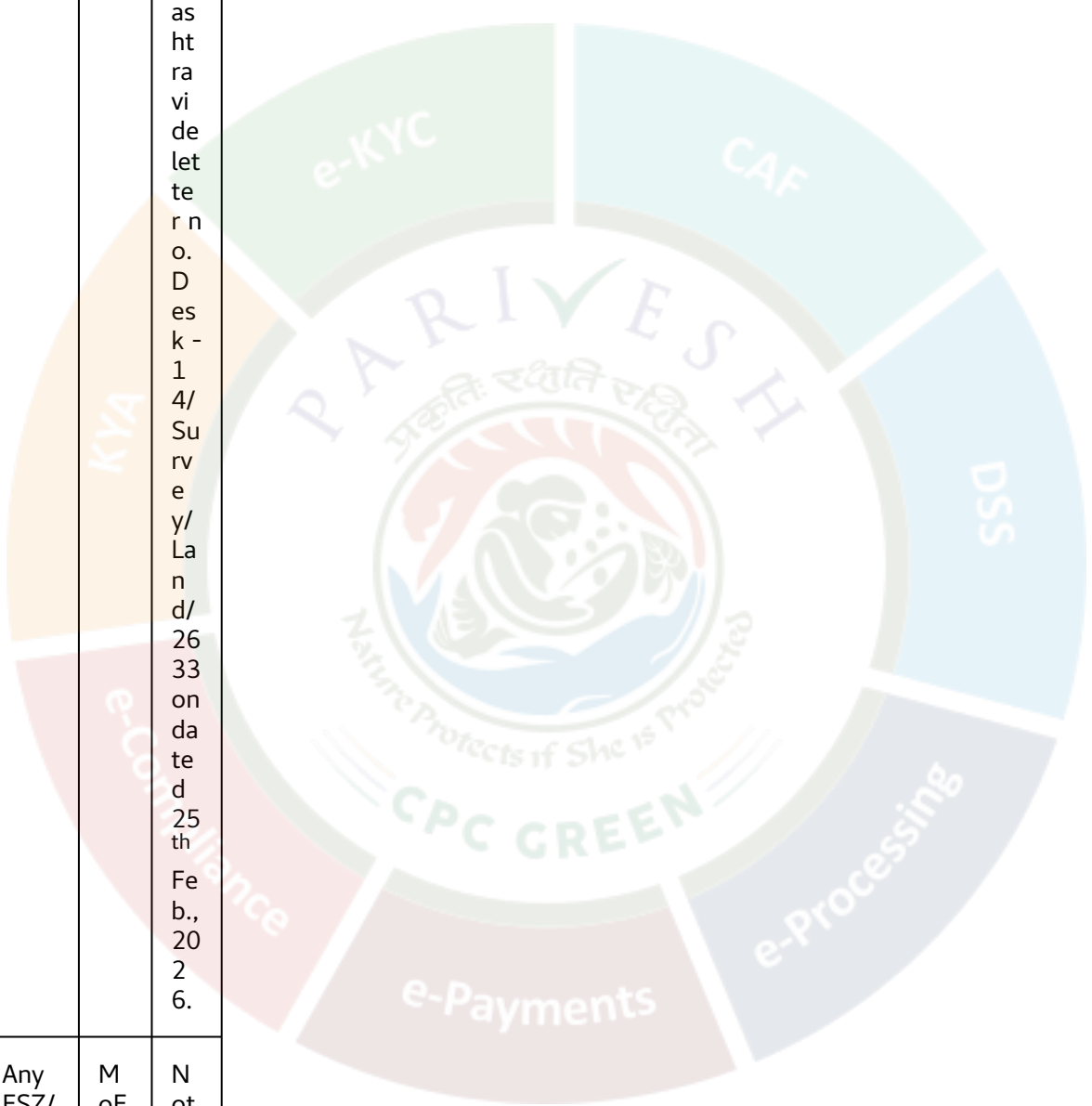
S. No	Particulars	Applicability of OM	Compliance Status
			 r: 400 TP Halong with Wobler near Vilage: Kondhala, Taluka: Warora District: Chandrapur, Maharashtra. The pr

S. No	Particulars	Applicability of OM	Compliance Status
			object is also recommended for EC by SEIAA, Maharashtra vide Proposal no. SI A/M H/MIN/571734/2026 via SEIAA M 

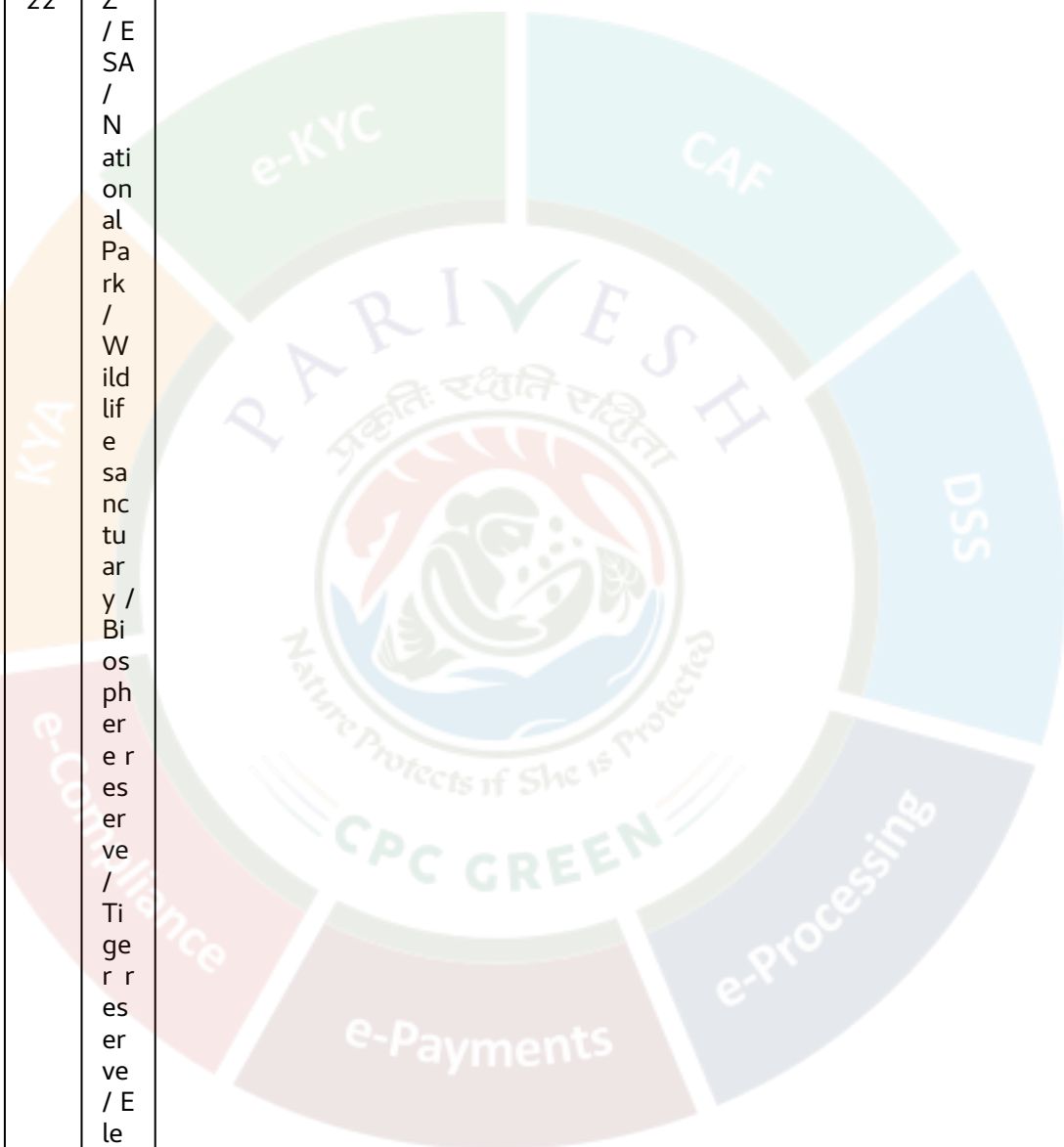
S. No	Particulars	Applicability of OM	Compliance Status
			OM dated 16th April, 2026 and EC awaited.
	Involvement of Forest land if any. Status of FC land approval under Van (Sanrakhana Evam Samvardhan) Adhiniyam, 1980	Ministry's O.M. dated 9/9/2011 & its subsequent amendments	Not Applicable as there is no forest land involved in the project.



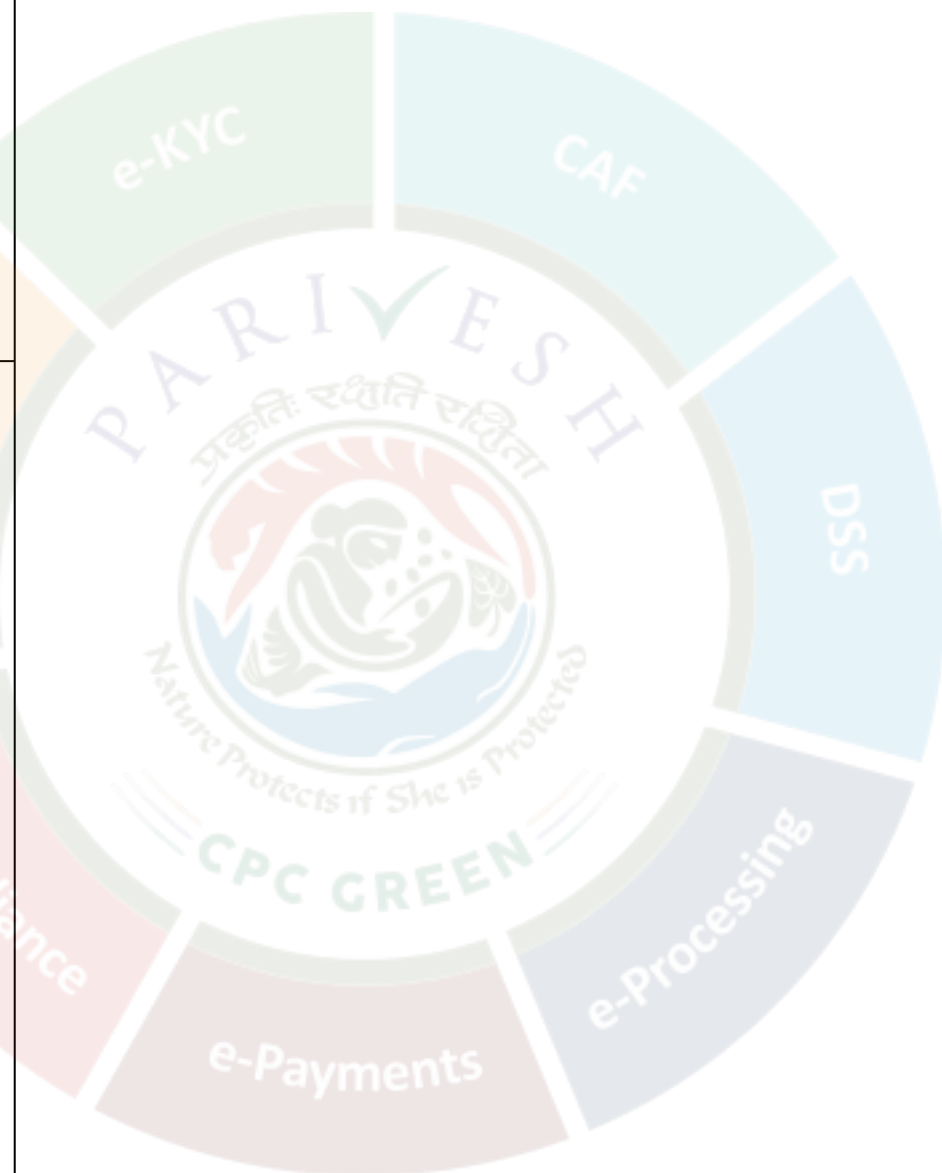
S. No	Particulars	Applicability of OM	Compliance Status
			Approval in this regard has been obtained from Divisional Forest Officer, Chandrapur Forest Division, Chandrapur, Maharashtra 

S. No	Particulars	Applicability of OM	Compliance Status
			 ar as ht ra vi de let ter no. Desk - 14/ Survey/ Land/ 26 33 on date d 25 th Feb., 20 2 6.
	Any ESZ/ ESA/ national park/ wild life sanctuar y/ biosphere r	MoEF & CC O. M. dated 17/ 05/	Not Applicable as there is no

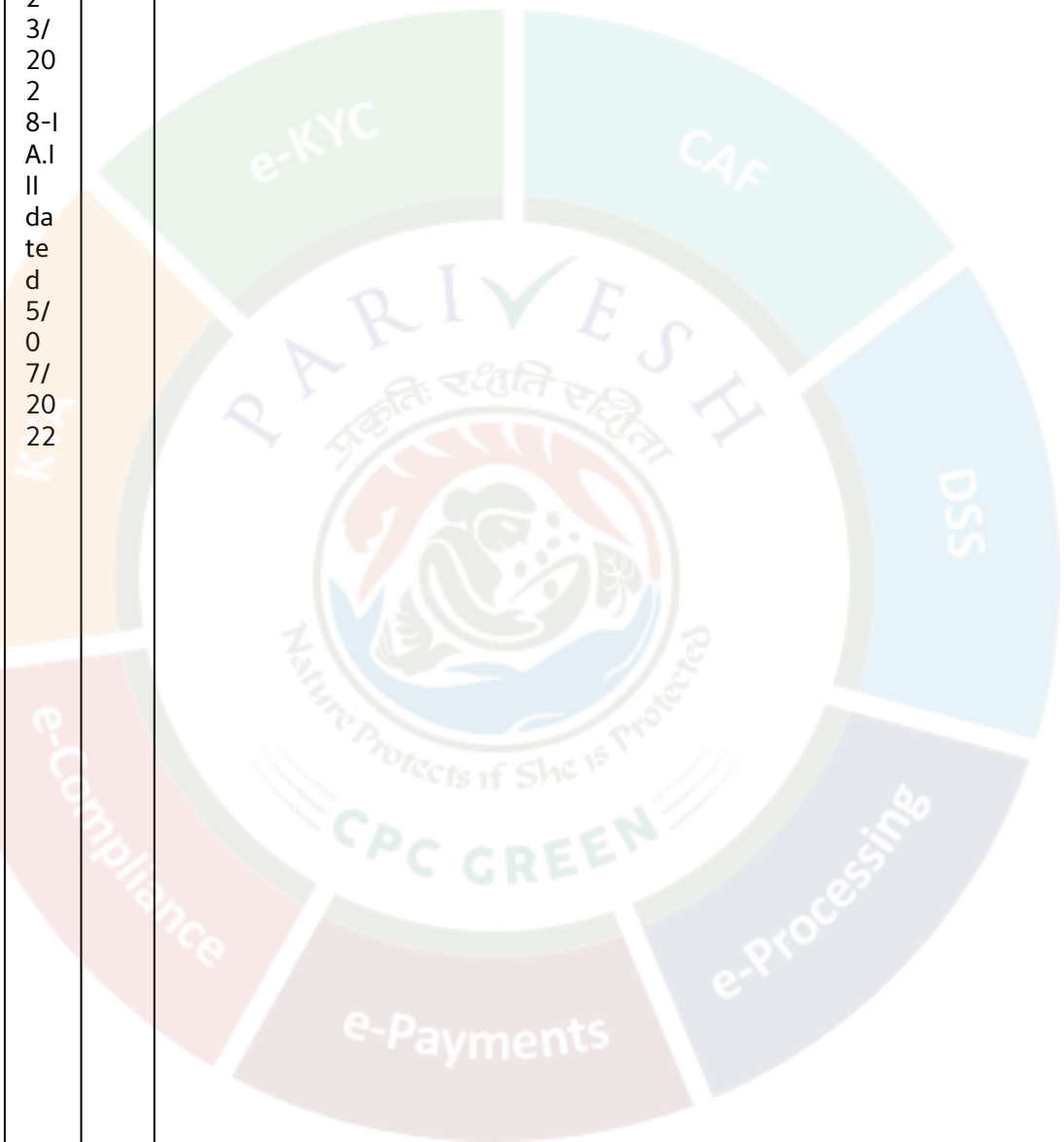
S. No	Particulars	Applicability of OM	Compliance Status
	eserve/ tiger reserve/ elephant reserve etc. within 10 km radius of project site. Whether applied for S CNB WL as per MoE F&C C O. M. dated 17/05/2022	2022	ESZ / ESA / National Park / Wildlife sanctuary / Biosphere reserve / Tiger reserve / Elephant reserve etc. within 10



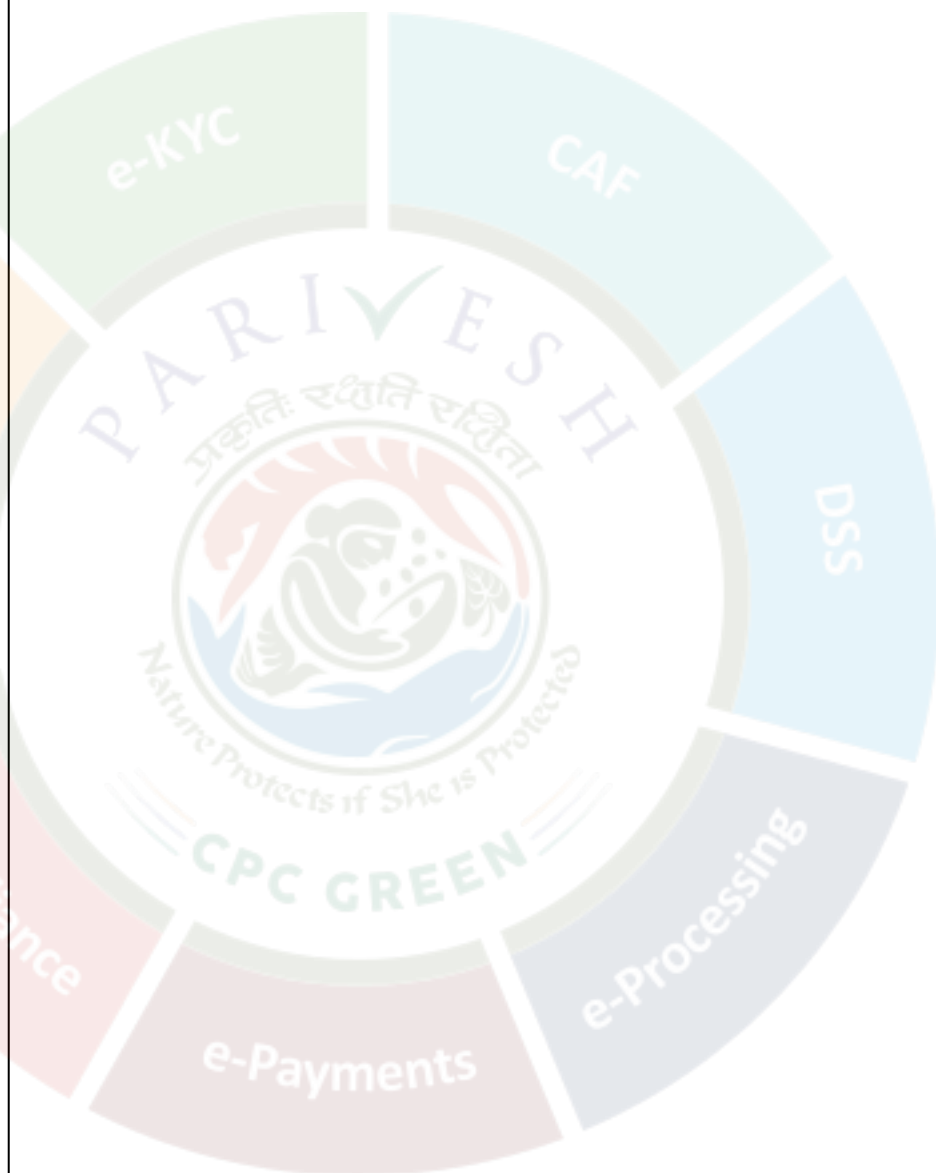
S. No	Particulars	Applicability of OM	Compliance Status
			km radius of project site.
	Critically Polluted Areas/Severely Polluted Area. Whether her project located in CP A/SP A. b. Distance	MoEF&CC O.M. No. 22-23/2022-I.A.II dated 31/10/2019 and MoEF&CC O.M. No.	Not Applicable. The project does not fall within Critically or Severely Polluted Area



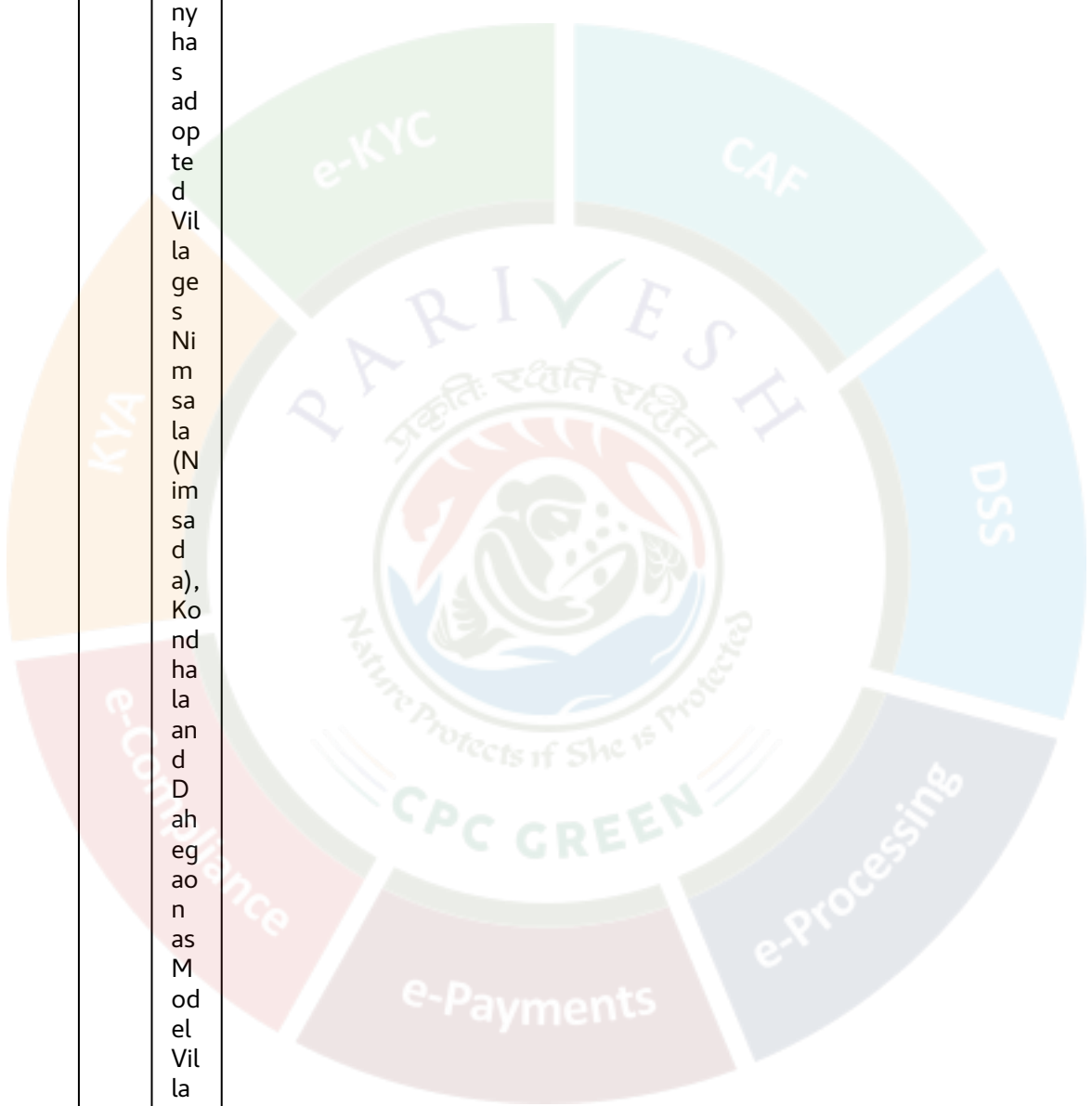
S. No	Particulars	Applicability of OM	Compliance Status
	of project from 08-11-2022 A.I dated 05/07/2022 c. Whether additional environmental safeguards have been proposed	22/23/2022-11-2022 A.I dated 05/07/2022	a.
	Deliberation on the commitments	MoEF&CC OM No.	The company has



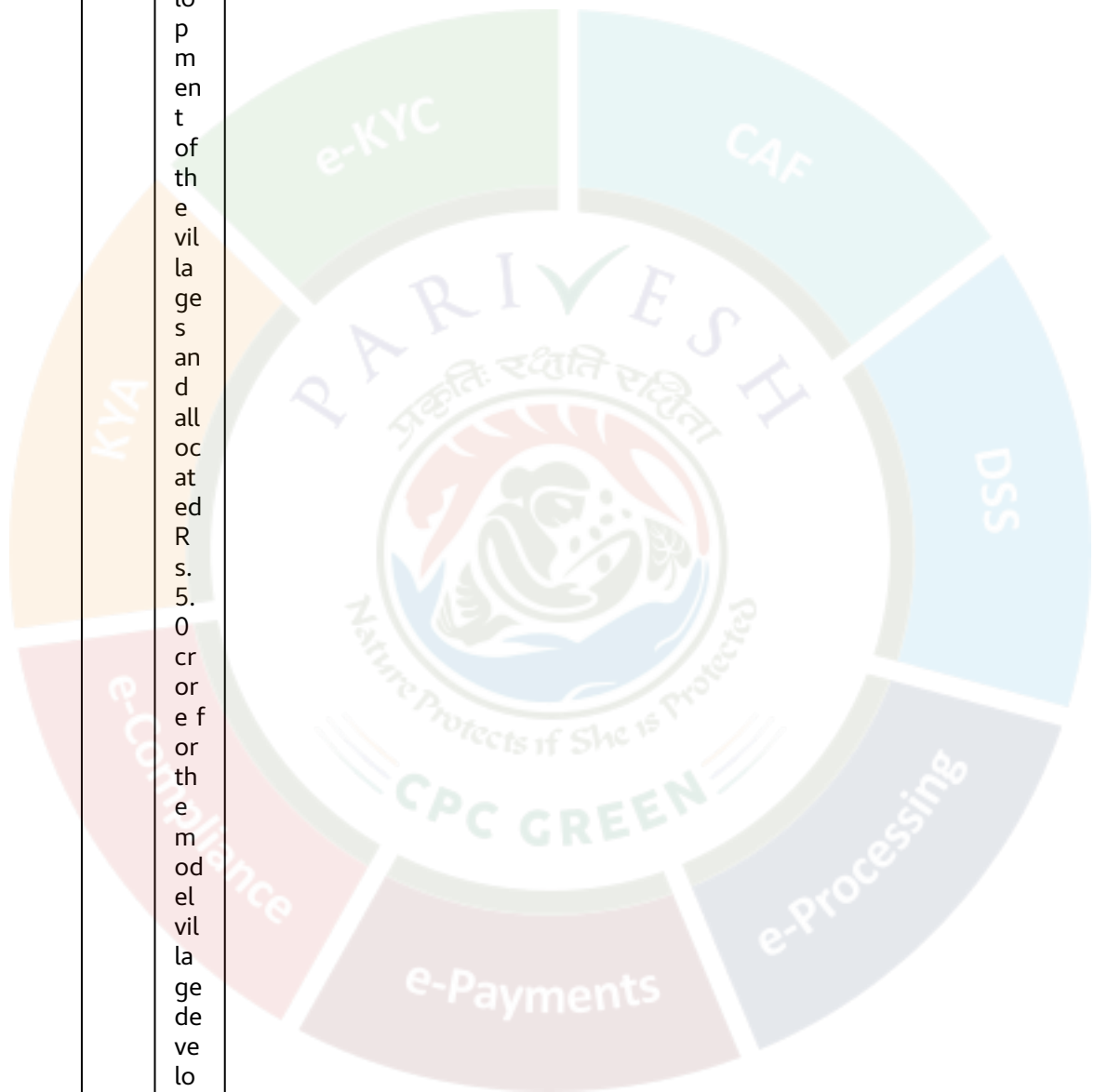
S. No	Particulars	Applicability of OM	Compliance Status
	ts made by project proponent and requirements to address the concerned during the public consultation reg.	22-06-2017-I.A.I dated 30/09/2020 & 25/02/2021	all allocated Rs. 26.00 Crores (including 5.00 crore for Model village development) for implementation of the co



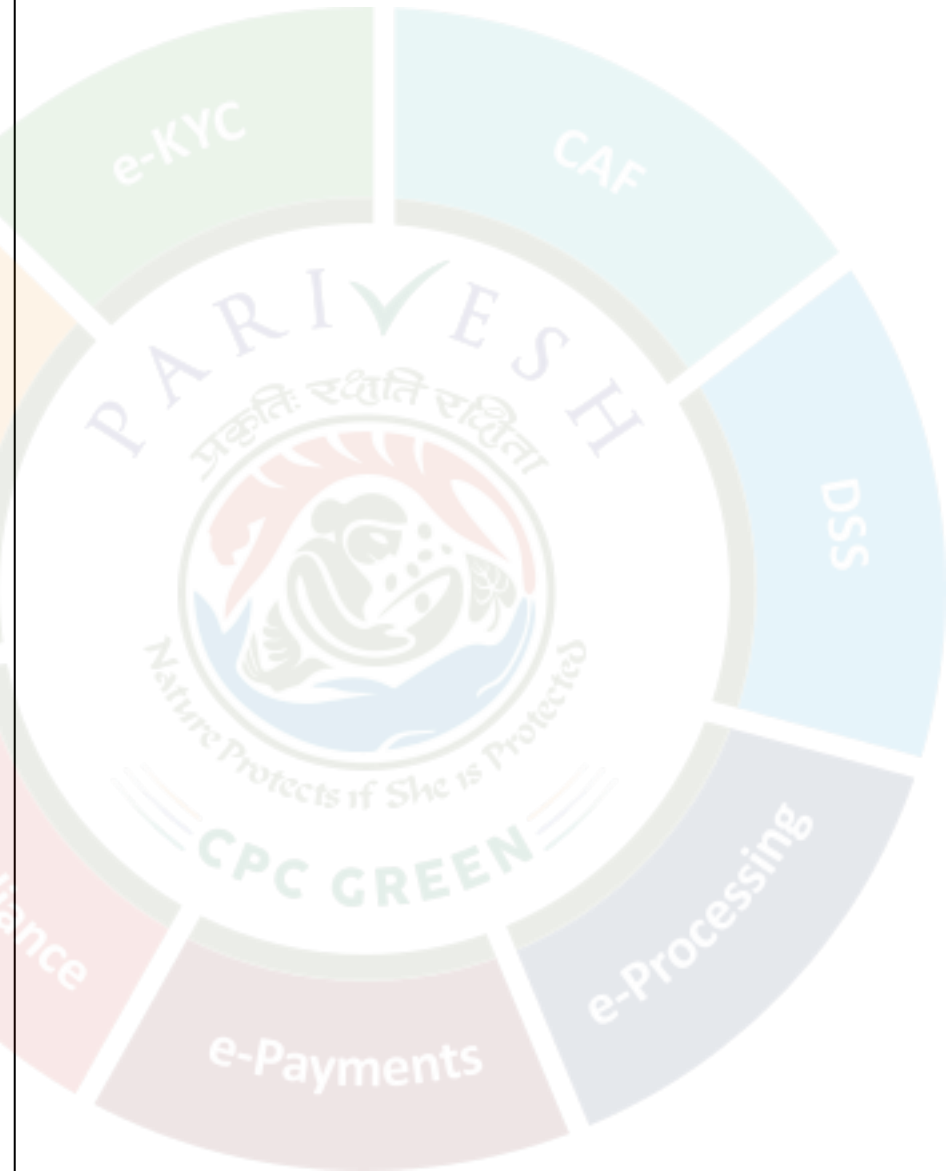
S. No	Particulars	Applicability of OM	Compliance Status
			commitments made during Public Hearing as per OM dated 30th September, 2020 & 20th Oct., 2020. The com

S. No	Particulars	Applicability of OM	Compliance Status
			pany has adopted Village Nimsala (Nimsada), Kondhala and Dahagaon as Model Village under CER for overall de 

S. No	Particulars	Applicability of OM	Compliance Status
			development of the villages and all allocated Rs. 5.0 crore for the model village development plan.
	Accreditation	MoEF&	Com



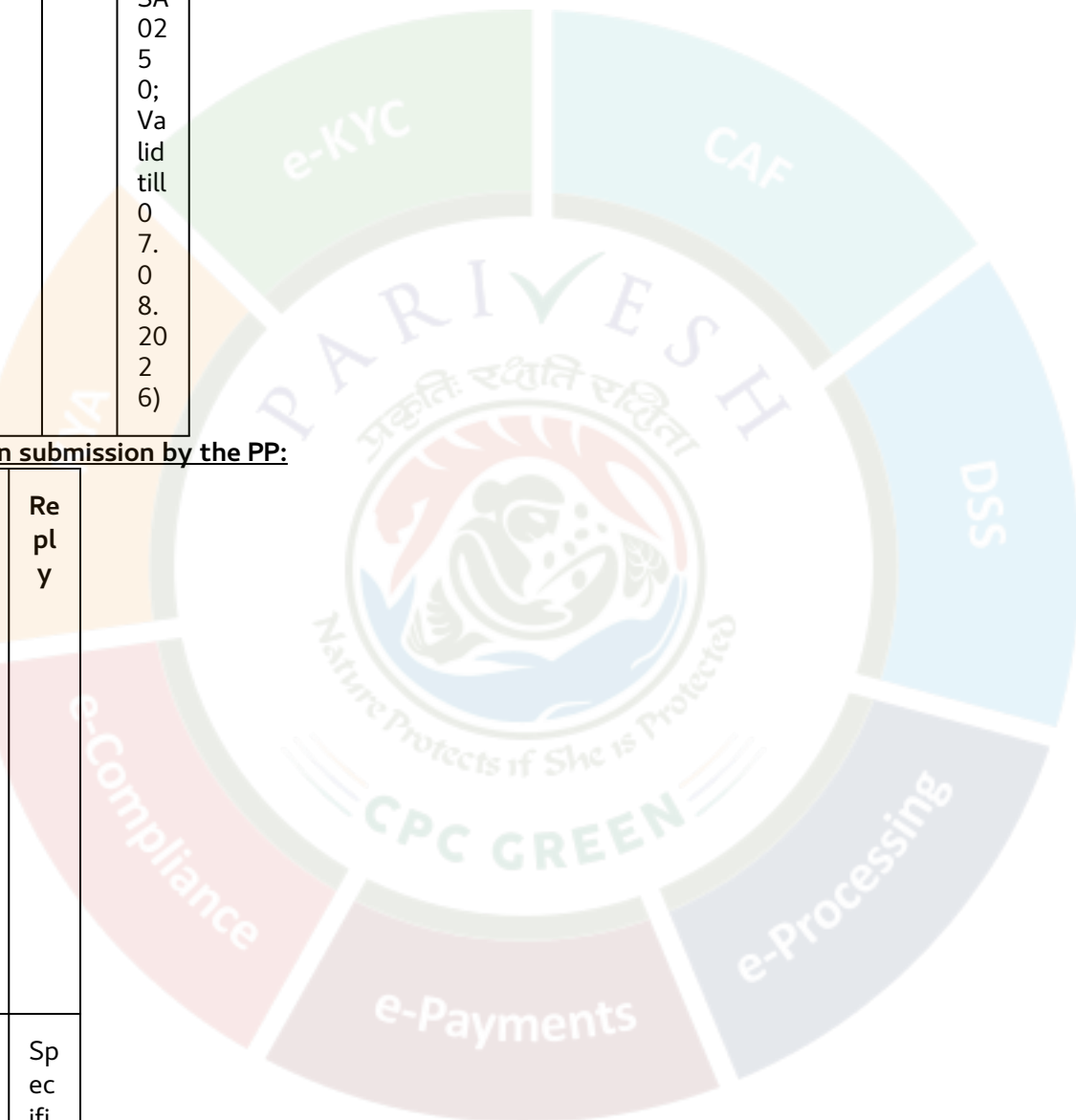
S. No	Particulars	Applicability of OM	Compliance Status
	of ELA Consultant by Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET)	CCOM No. J-11013/772004-I A-I dated 30/09/2011	plied. J. M. Environment Pvt. Ltd. Registered ELA Consultant by NABET (QCI), (Certificate No. NABET/ELA/23-2

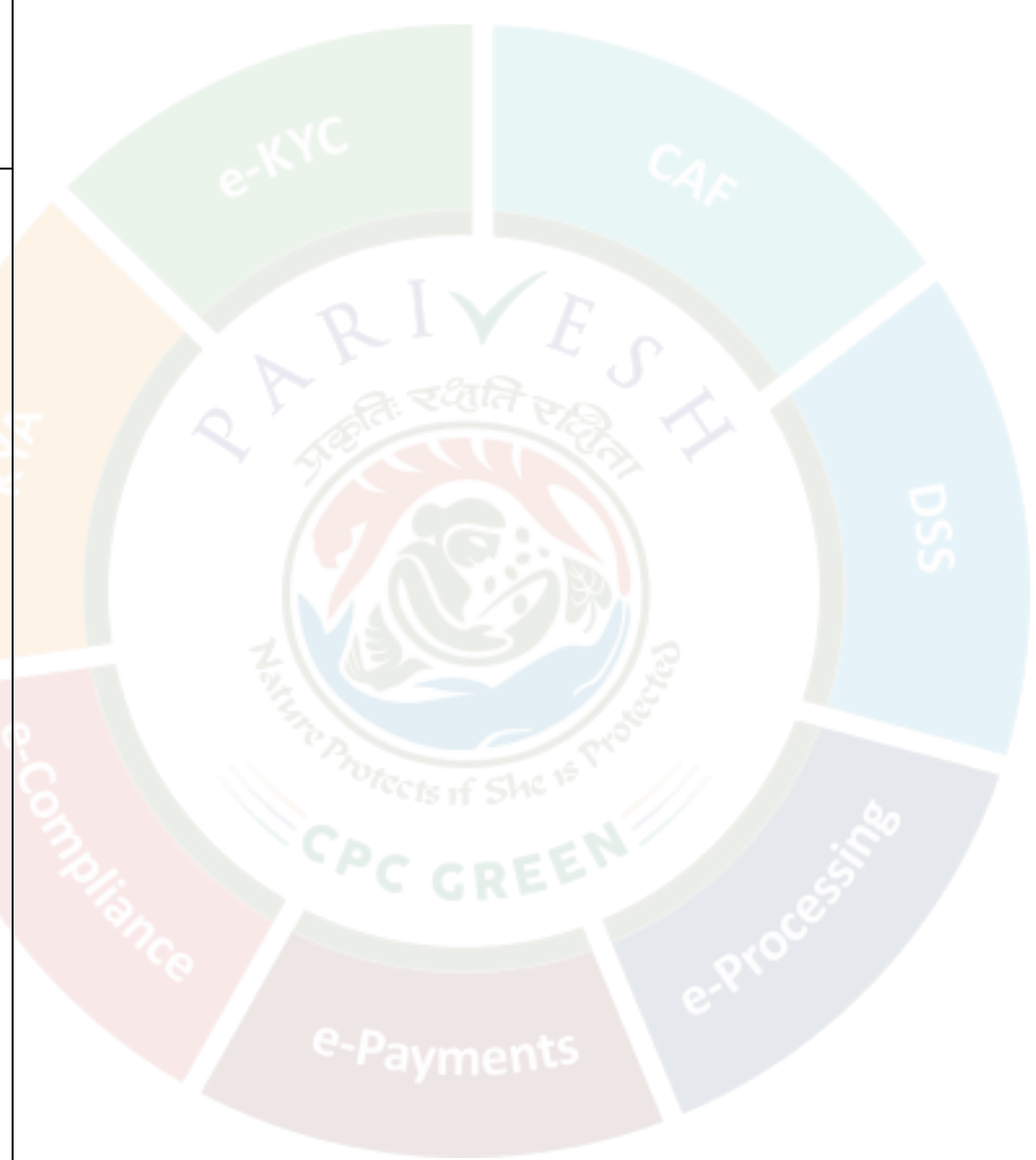


S. No	Particulars	Applicability of OM	Compliance Status
			6/SA 0250; Valid till 07.08.2026)

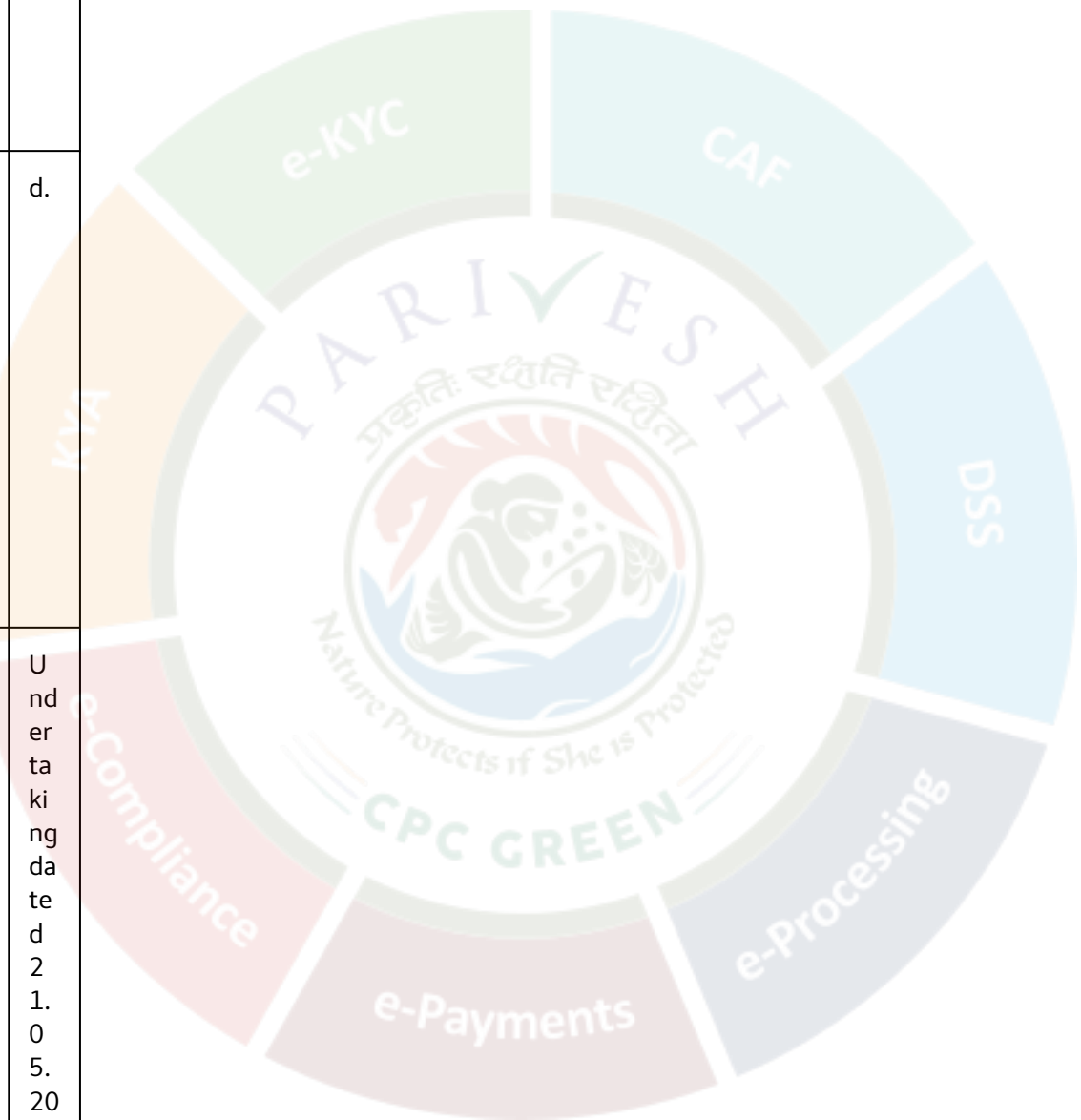
Written submission by the PP:

S. No.	Additional Information	Reply
1.	Site Specific Mitigation	Specific Mitigation Measures for

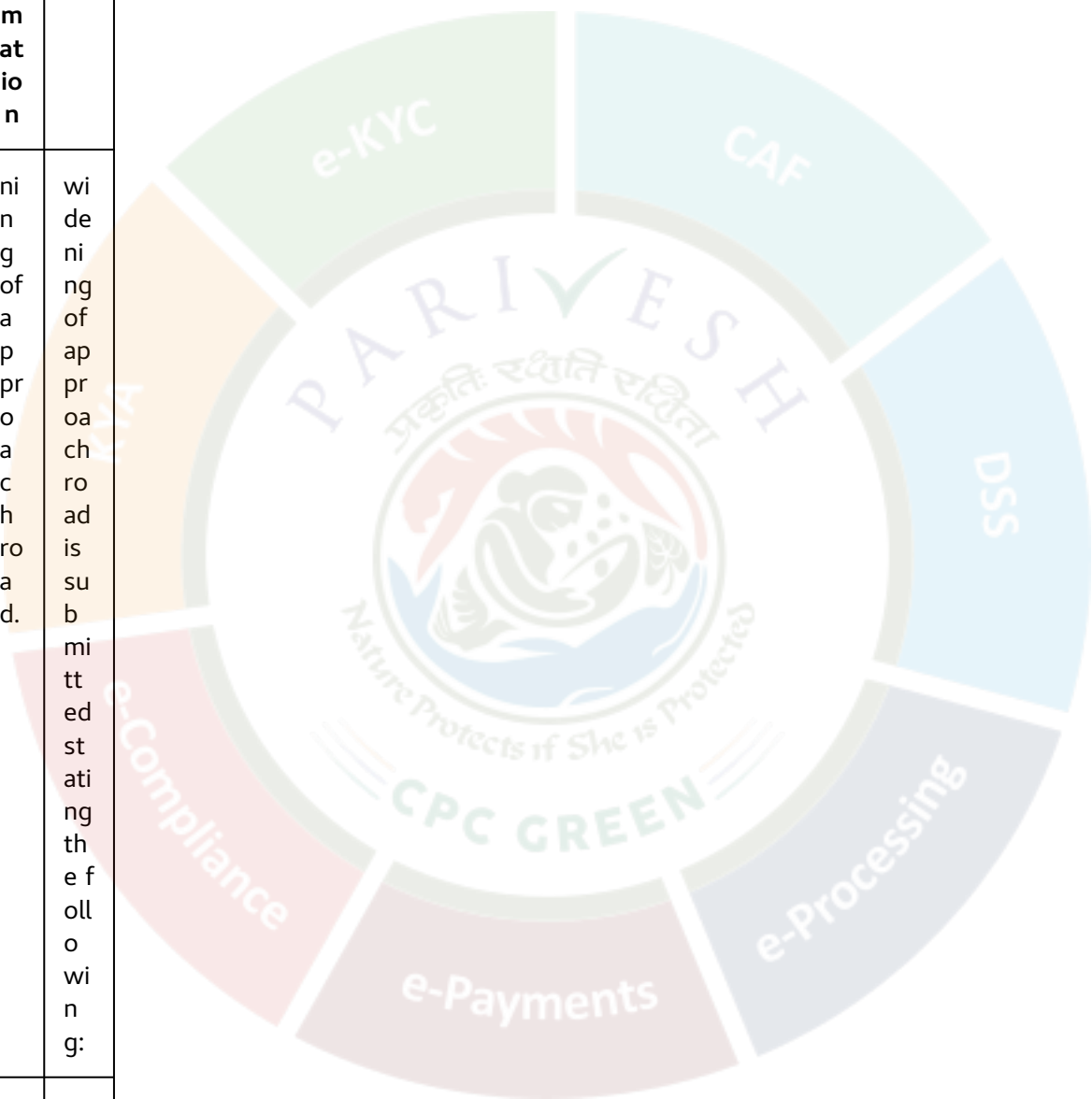


S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
	Measures for Environmental Sensitivity Area (ESA) falling in 2 km radius of the Project site is submitted	

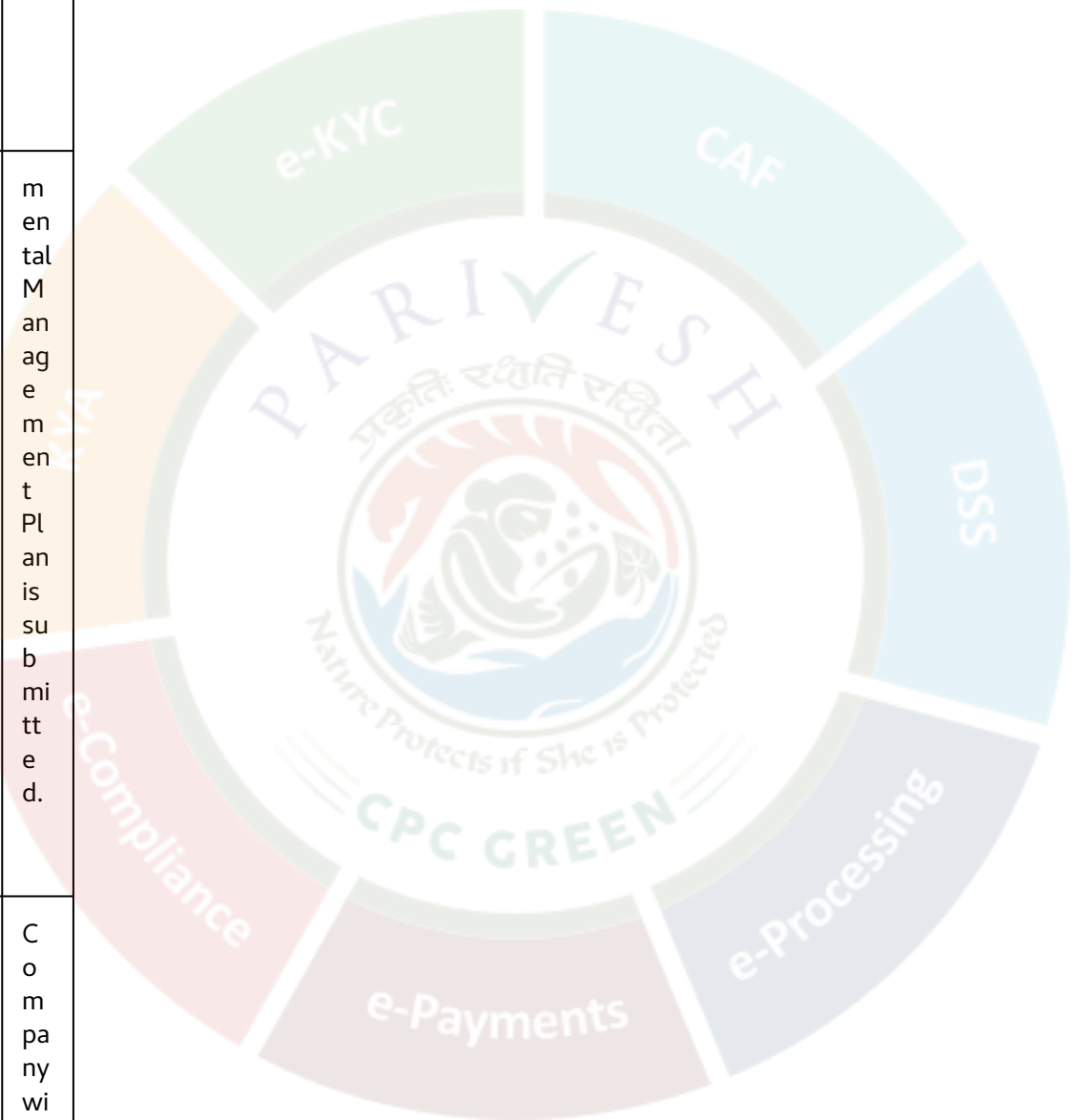
S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
	di u s of th e Pr oj e c t s i t e.	d.
2.	U n d e r t a k i n g f o r S t r e n g t h e n i n g a n d w i d e	U n d e r t a k i n g d a t e d 2 1. 0 5. 2 0 2 6 f o r s t r e n g t h e n i n g a n d

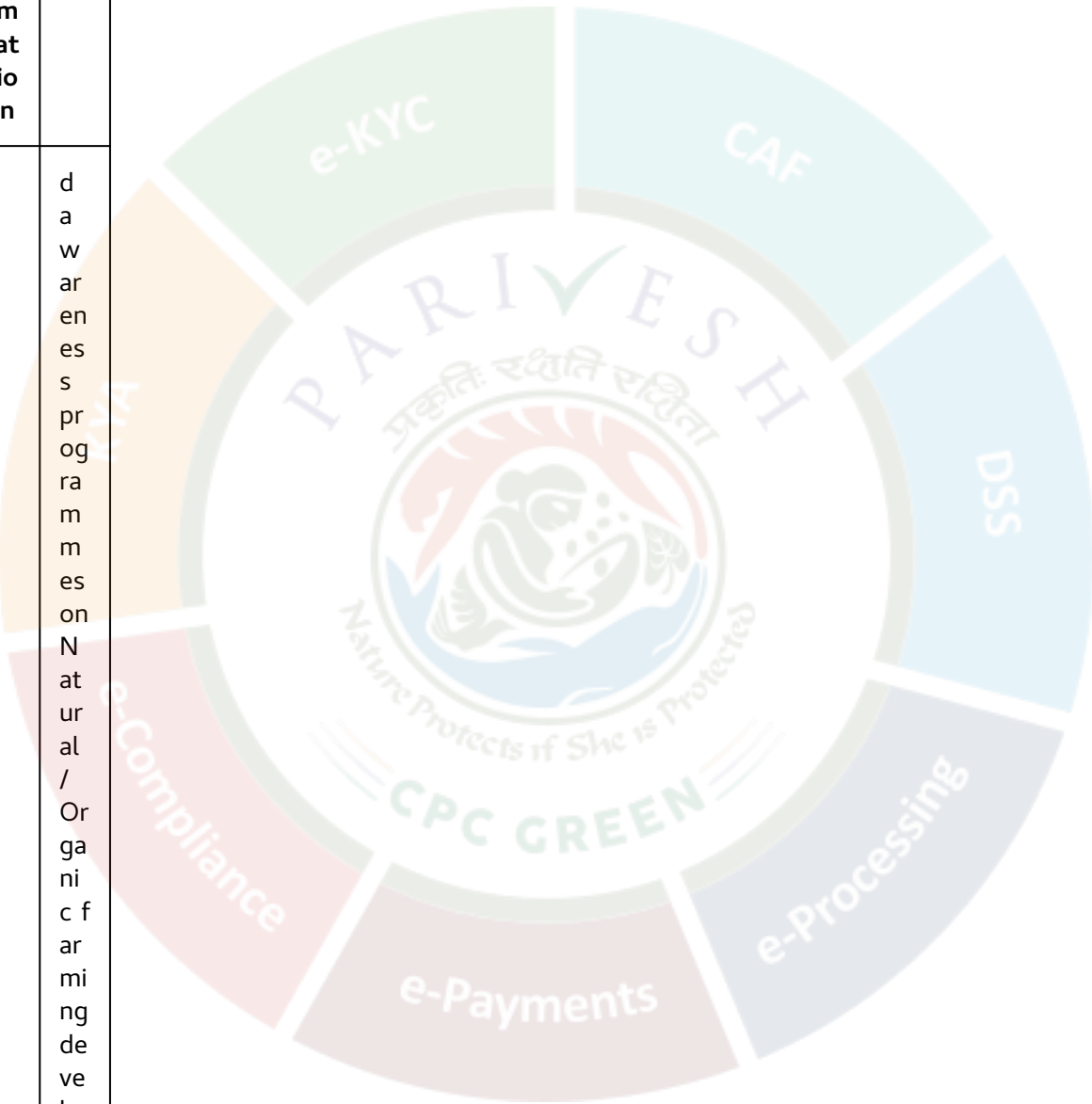


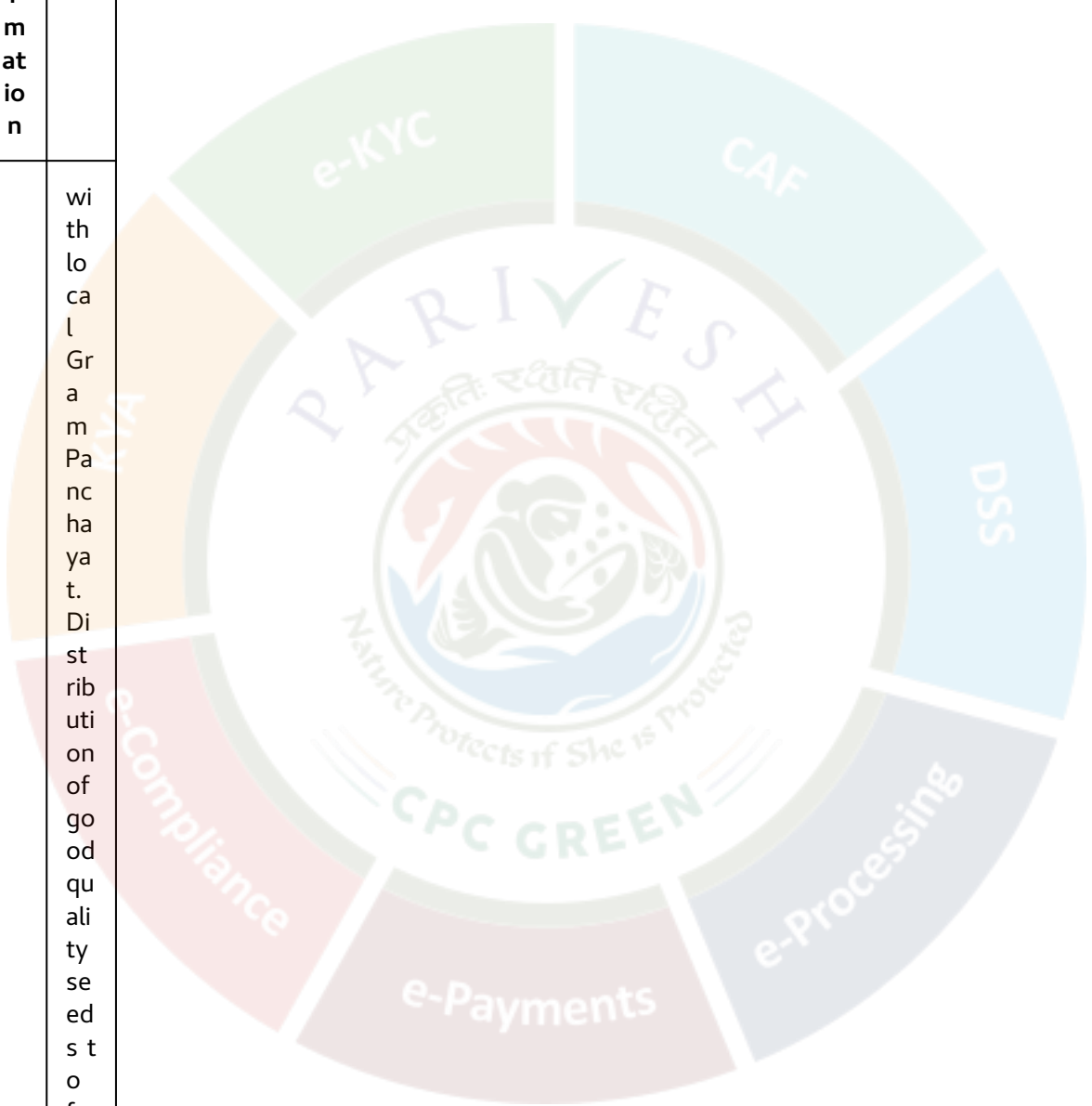
S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
	ni n g of a p p r o a c h r o a d.	wi de ni ng of ap pr o a c h r o a d is su b mi tt ed sta ti ng th e f ol lo wi ng:
3.	Si te s p e c i f i c E n v i	Th e sit e- sp e c i f i c E n v i r o n

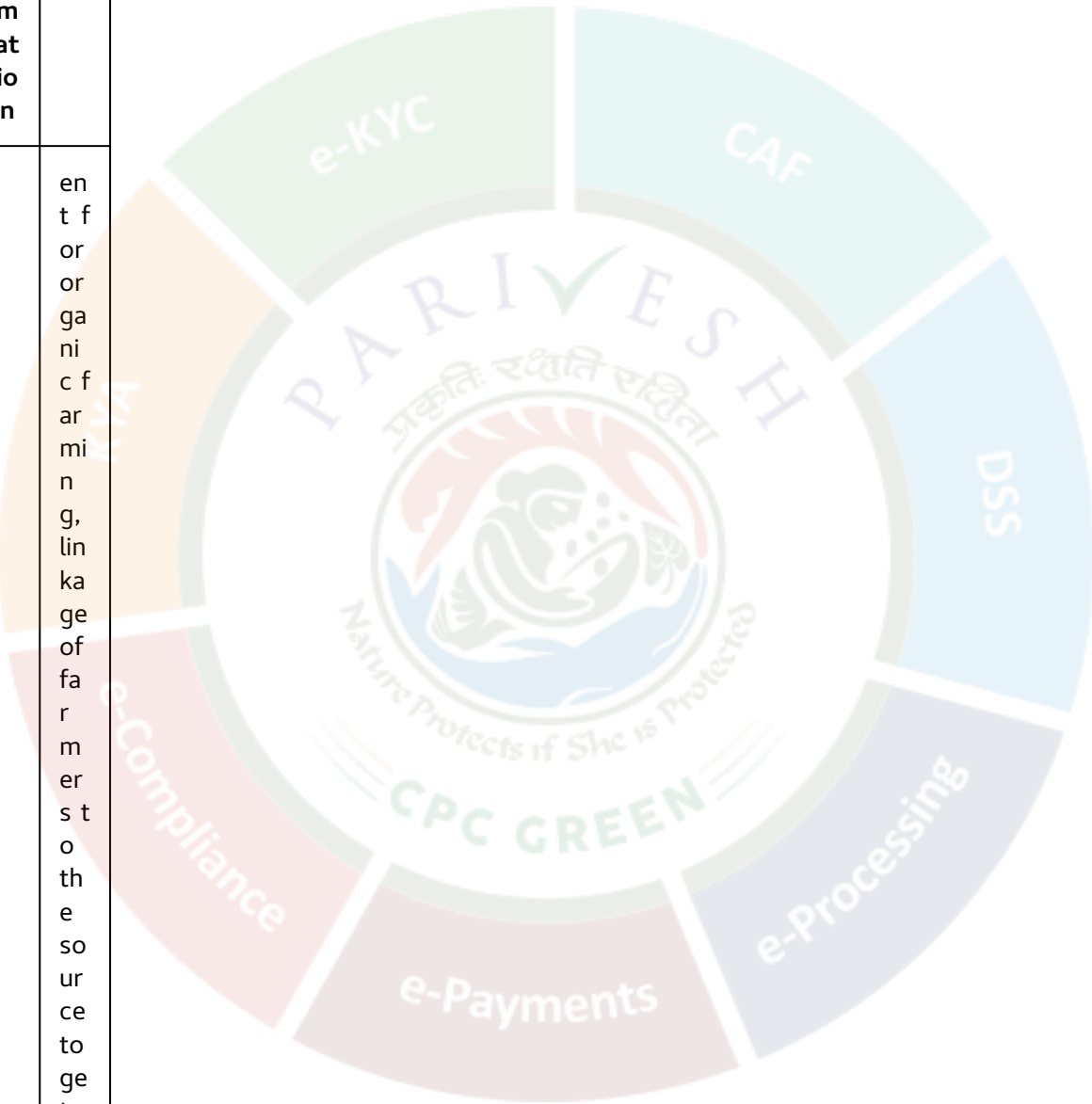


S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
	ron m e n t a l M a n a g e m e n t P l a n (E M P)	m e n t a l M a n a g e m e n t P l a n i s s u b m i t t e d.
4.	D e t a i l s f o r N a t u r a l F a r m i n g	C o m p a n y w i l l o r g a n i z e t h e t r a i n i n g a n

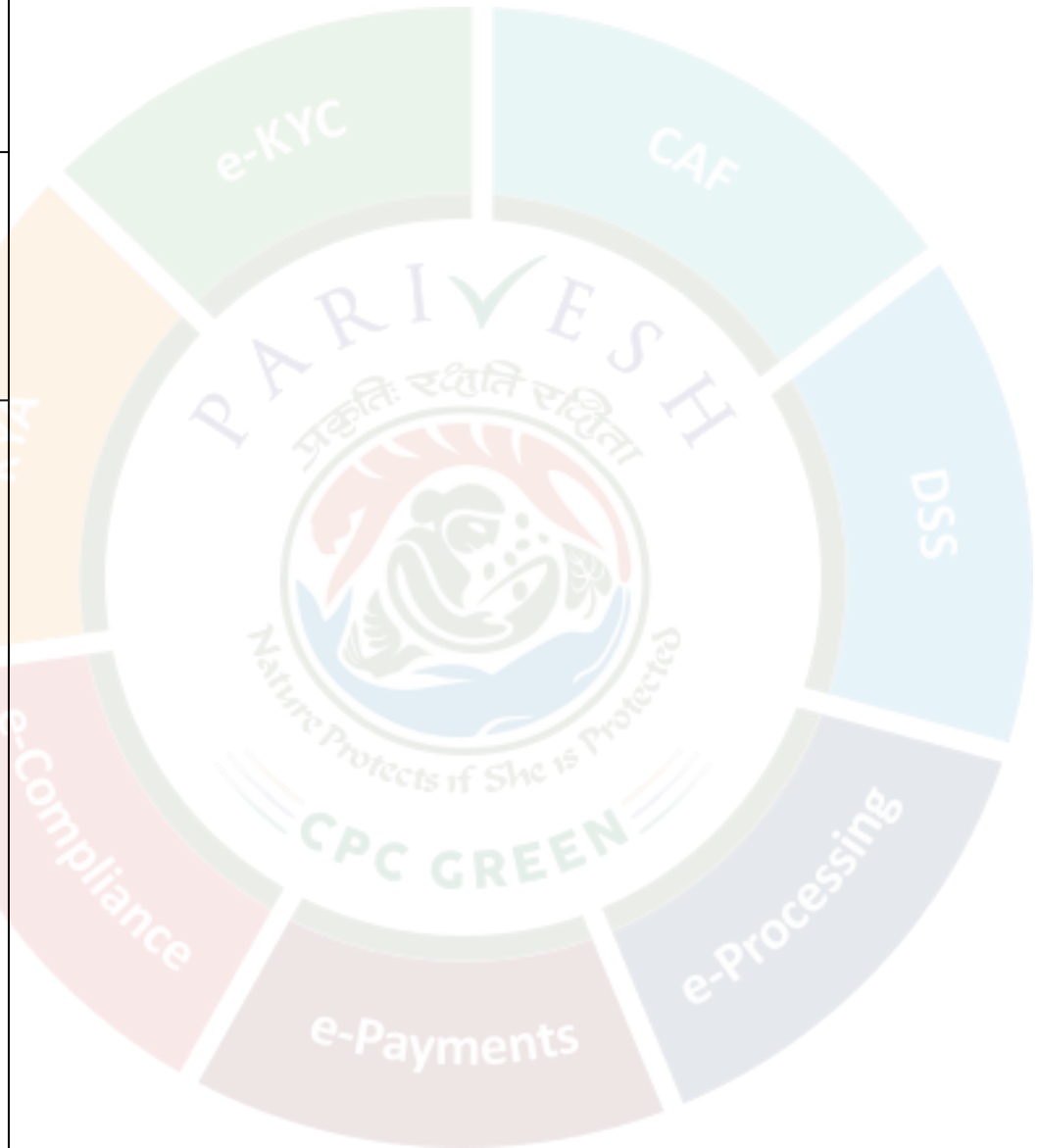


S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
		d a w a r e n e s s p r o g r a m m e s o n N a t u r a l / O r g a n i c f a r m i n g d e v e l o p m e n t i n c o n s u l t a t i o n 

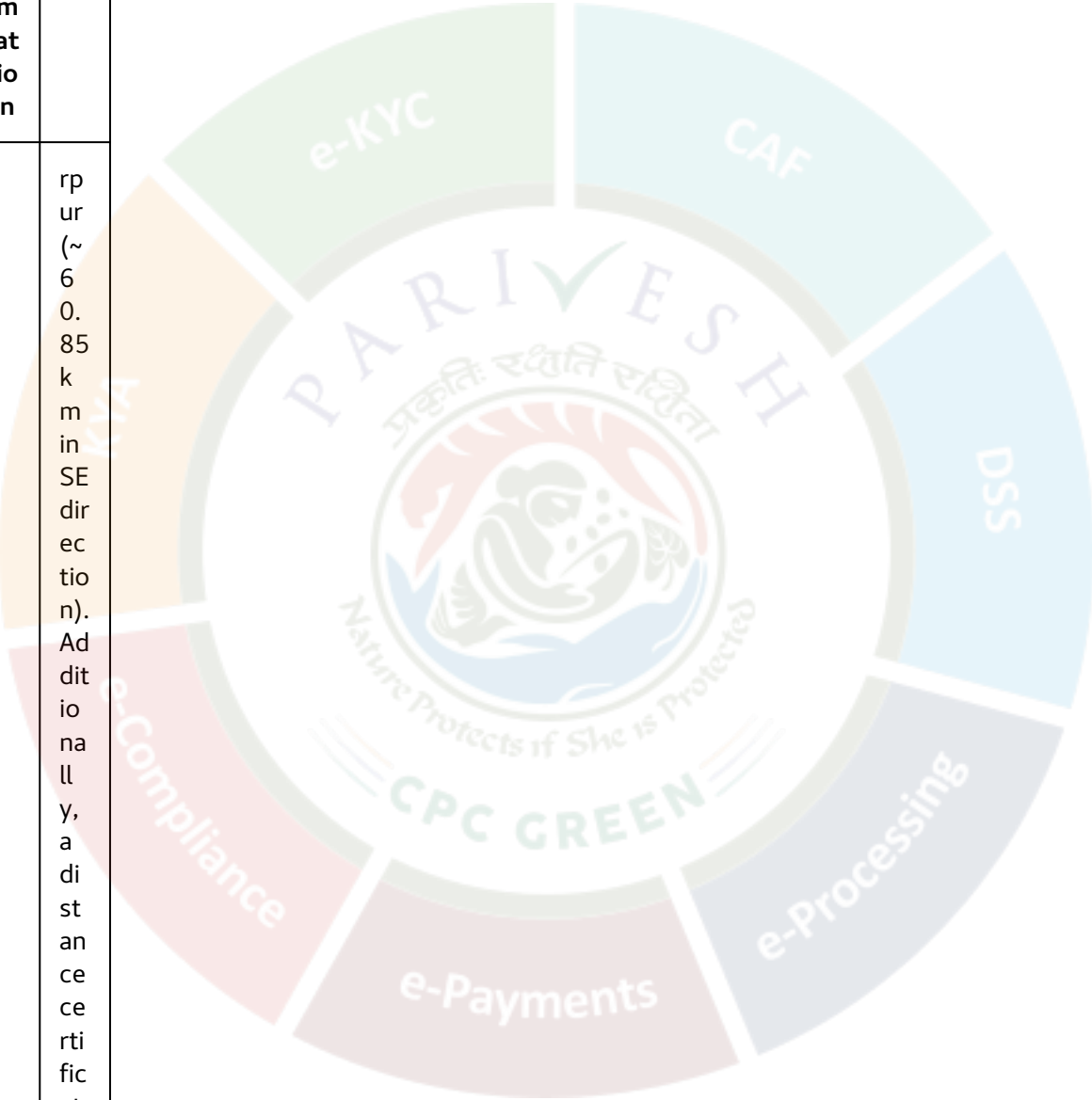
S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
		with local Gram Panchayat. Distribution of good quality seeds to farmers, encouragement 

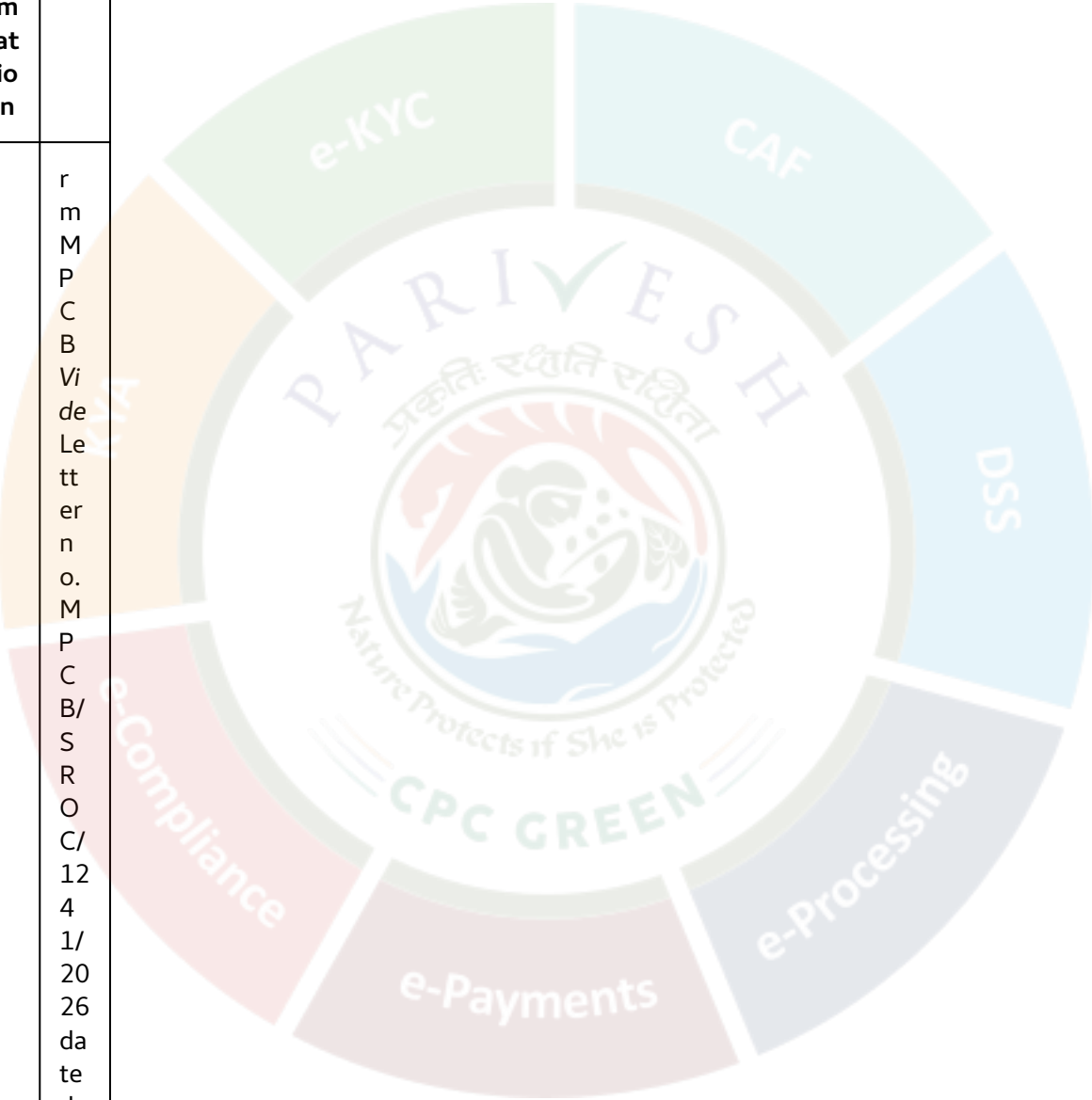
S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
		ent f or or ga ni c f ar mi ng, lin ka ge of fa r mer s t o th e so ur ce to ge t Or ga ni c m at eri al s an 

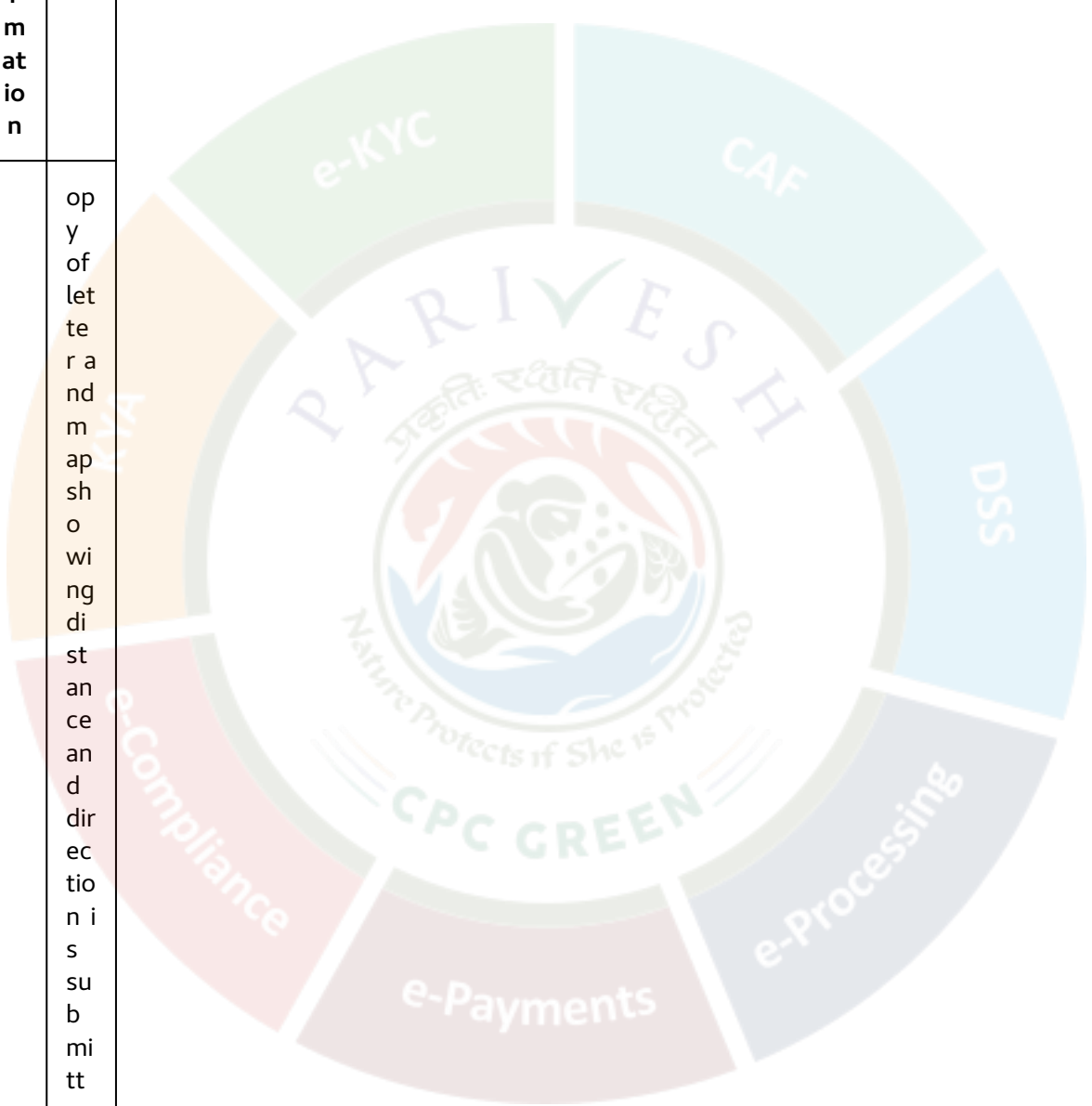
S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
		d f e r t i l i z e r s.
5.	D e t a i l s f o r t h e n e a r e s t C P A f r o m t h e P r o j e c t S i t e	Th e N e a r e s t C P A f r o m t h e p r o j e c t s i t e a r e T a d e l i M I D C (~ 39 k m i n S E



S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
		direction), G ug gu s (~ 40 k m in SS E direction, C ha nd ra pu r (~ 44 k m in SE direction) and Ba lla

S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
		rp ur (~ 6 0. 85 k m in SE dir ec tio n). Ad dit io na ll y, a di st an ce ce rti fic at e ha s be en ob tai ne d fo 

S. N o.	A d d i t i o n a l I n f o r m a t i o n	Re pl y
		 r m M P C B Vi de Le tter n o. M P C B/ S R O C/ 12 4 1/ 20 26 da te d 29 th Ja nu ar y, 20 2 6. C

S. No.	Additional Information	Reply
		 Copy of letter and map showing distance and direction is submitted.

3.1.3. Deliberations by the committee in previous meetings

N/A

3.1.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

1. The instant proposal is for setting up of a Integrated Cement Plant for production of Clinker: 1.5 Million TPA; Cement: 3.5 Million TPA (OPC, PPC, PSC, SRC, RHPC & Composite Cement); CPP: 20 MW; WHRS: 9.5 MW; Synthetic Gypsum: 1560 TPD (65 TPH) and DG Sets: 2500 KVA (1 x 2500 KVA or 2 x 1000 KVA & 1 x 500 KVA or 1 x 1000 KVA, 2 x 500 KVA & 2 x 250 KVA).
2. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
3. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
4. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
5. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
6. The Committee noted that the project is a greenfield proposal. Accordingly, SPCB furnished its comments based on the site visit carried out on 01.05.2026 stating that during visit open land without any construction activity except precast boundary wall to the cement plant premises was observed. The EAC apprised the proposal taking into consideration the comment of SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
7. The PP reported that total land area identified for the proposed plant is 42.76 hectares (105.68 acres), which is presently classified as private agricultural land. The entire land required for the project has already been acquired and is registered in the name of the project proponent, Shree Cement Limited. In terms of land use, the site is currently under agricultural use, and its conversion to industrial purposes is under process. The Change of Land Use (CLU) application has been submitted and is presently in progress, with initial approval reportedly accorded by the Collector's Office, Chandrapur, subject to final demarcation and completion of formalities. The EAC opined that PP shall complete conversion of land for industrial purpose prior to commencement of proposed project.
8. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearby habitations include Village Kondala located at about 1.0 km in the NNE direction, Village Dahegaon at about 1.4 km towards the west, Village Nimsada at about 1.3 km in the southeast, Village Belgaon Desh at about 2.5 km in the north, and Naideo at about 2.9 km in the SSW direction from the project site. Educational institutions in the vicinity include Z.P. Primary School, Kondhala at approximately 1.40 km (SSE), Zilla Parishad School, Dahegaon at about 1.5 km (W), Z.P. Primary School, Aatmurdi at around 2.5 km (N), and Z.P. Primary School, Naydeo at about 2.9 km (SSW). Religious places such as Pathana Mandir (~1.4 km, W) and Shiv Mandir at Kondala (~1.2 km, SSE) are also present nearby. In addition, water bodies within the study area include a seasonal nala passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW), Daiwal Nadi at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE). Further, Shegaon Reserved Forest is located at a distance of about 5.5 km in the ESE direction. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.

9. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
10. It is observed that a seasonal nala passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW). In this regard, the project proponent has submitted a No Objection Certificate (NOC) from the Irrigation Department dated 12.03.2026 for diversion and management of the canal and local drains. As per the NOC, it has been observed that certain stretches of canal and local drains fall within the mining and plant boundary, for which diversion proposals are required to be prepared through competent institutions such as VNIT, Nagpur or CDO, Nashik and submitted for approval of the Regulatory Board. It has also been stipulated that necessary fees, wherever applicable, shall be deposited for land conversion. Further, while undertaking diversion or excavation, a minimum safety distance of 50 m from the canal/drain shall be maintained along with a slope of 1:1.5 to ensure stability, and no obstruction to natural drainage shall be caused, ensuring free flow of water at all times. The Irrigation Department has conveyed that it has no objection to the project subject to compliance with the stipulated conditions. The Committee, after detailed deliberation, noted the above and emphasized that the project proponent shall strictly adhere to the conditions stipulated in the NOC, particularly with respect to maintenance of safety distance, preparation and approval of diversion proposals, and ensuring uninterrupted natural drainage.
11. Further, Daiwal Nadi is at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE) along with other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures for all the water bodies.
12. PP reported that the proposed Integrated Cement Project is interlinked with the Kondhala Limestone Mine (Mining Lease Area: 105 ha) located near Village Kondhala, Taluka Warora, District Chandrapur, Maharashtra, which envisages production of 2.25 Million TPA of limestone along with installation of a 1200 TPH and 500 TPH primary crusher and a 400 TPH secondary crusher. The entire limestone requirement of 2.25 Million TPA for the cement plant shall be sourced from this captive mine. In this regard, the Terms of Reference (ToR) for the mine was uploaded on the PARIVESH portal on 29th November, 2024 and subsequently granted by SEIAA, Maharashtra on 29th April, 2025. The public hearing for the mining project was conducted on 31st December, 2025, and the application for Environmental Clearance (EC) was submitted to SEIAA, Maharashtra on 13th March, 2026. The proposal has been appraised in the 368th Meeting of SEAC (Part-A) and recommended for grant of EC. Further, the project has also been recommended for grant of Environmental Clearance by SEIAA, Maharashtra vide Proposal No. SIA/MH/MIN/571734/2026 as per minutes dated 16th April, 2026, and the Environmental Clearance is presently awaited. The EAC deliberated on the submission of PP and found it satisfactory. Further EAC opined that the requisite permissions shall be obtained to maintain the raw material security for the proposed plant. The Committee further noted the proposal of the project proponent to transport limestone through a closed conveyor belt system from the captive mine to the plant and opined that the same is a desirable measure to minimize fugitive emissions and reduce vehicular movement.
13. The water requirement for the project is estimated as 1368 m³/ day; which will be obtained from the sourced from Ground water, (mine pit water based on the availability). The EAC opined that the PP shall secure the required approval from the appropriate authority. Further, the Committee emphasized that the project proponent shall explore alternative sources of water to minimize dependency on groundwater. The project proponent shall also undertake a comprehensive and periodic assessment of water drawal and availability to monitor the groundwater regime and ensure that the water table is not adversely impacted.
14. The Committee also deliberated on the public hearing issues, and the socio-economic Development plan, with allocation of Rs. 26 crores for implementation of the commitments made during Public Hearing and found it satisfactory.
15. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LIFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the

concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

16. The PP reported that greenbelt will be developed in 14.11 ha which is about 33 % of the total project area. Total no. of 35275 saplings will be planted and nurtured in 3 years. The EAC deliberated on the greenbelt action plan and is of the opinion that 33% greenbelt shall be developed as per the commitment, within a period of 2 years and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.
17. The Committee deliberated upon the submission made by the project proponent regarding strengthening and widening of the approach road. It was noted that the PP has submitted an undertaking dated 21.05.2026 for strengthening and widening of the existing approach road connecting the highway to the project site. As per the submission, the existing road of about 3.5 meters width from the highway (NH-337A) to the project site will be widened to 15 meters in two phases (7.5 m each), along with development of avenue plantation on both sides. The Committee further noted the commitment of the PP to maintain the road infrastructure in coordination with local authorities to cater to the increased traffic load due to project activities. The Committee emphasized that the proposed road development and maintenance measures shall be implemented in a time-bound manner, ensuring minimal impact on local communities and traffic movement.
18. PP reported that company will organize the training and awareness programmes on Natural / Organic farming development in consultation with local Gram Panchayat. They will undertake distribution of good quality seeds to farmers, encouragement for organic farming, linkage of farmers to the source to get Organic materials and fertilizers. The EAC appreciated the initiative and emphasized that the same shall be implemented in a structured and time-bound manner with measurable outcomes, continuous community engagement, and proper documentation, noting that such measures would support sustainable livelihood development in the project area.
19. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
20. The EAC deliberated on the other written submission of the project proponent and found it satisfactory.
21. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
22. The EAC also deliberated on written submission of the project proponent and found it satisfactory.
23. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
24. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
25. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

3.1.6. Details of Environment Conditions

3.1.6.1. Specific

Specific	
1.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
2.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
3.	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
4.	PP shall complete the conversion of land for industrial purpose prior to commencement of proposed expansion project.
5.	Nearby habitations include Village Kondala located at about 1.0 km in the NNE direction, Village Dahegaon at about 1.4 km towards the west, Village Nimsada at about 1.3 km in the southeast, Village Belgaon Desh at about 2.5 km in the north, and Naideo at about 2.9 km in the SSW direction from the project site. Educational institutions in the vicinity include Z.P. Primary School, Kondhala at approximately 1.40 km (SSE), Zilla Parishad School, Dahegaon at about 1.5 km (W), Z.P. Primary School, Aatmurdi at around 2.5 km (N), and Z.P. Primary School, Naydeo at about 2.9 km (SSW). Religious places such as Pathana Mandir (~1.4 km, W) and Shiv Mandir at Kondala (~1.2 km, SSE) are also present nearby. In addition, water bodies within the study area include a seasonal nala passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW), Daiwal Nadi at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE). Further, Shegaon Reserved Forest is located at a distance of about 5.5 km in the ESE direction along with other sensitive features within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
6.	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
7.	The project proponent shall comply with the conditions stipulated in the NOC dated 12.03.2026 issued by the Irrigation Department, including obtaining necessary approvals for diversion of canal/drains, maintaining stipulated safety distance, and ensuring uninterrupted natural drainage and free flow of water at all times.

8.	Seasonal nala is passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW), Daiwal Nadi at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE) along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented for all the water bodies.
9.	PP shall ensure that the requisite permissions are obtained to maintain the raw material security for the proposed plant. The project proponent shall implement a closed conveyor belt system for transportation of limestone from the captive mine to the plant in a time-bound manner, subject to obtaining necessary statutory approvals.
10.	The water requirement for the project is estimated as 1368 m ³ / day; which will be obtained from the sourced from Ground water, (mine pit water based on the availability). PP shall secure the required approval from the appropriate authority. PP shall also explore alternative sources of water to minimize dependency on groundwater. The project proponent shall also undertake a comprehensive and periodic assessment of water drawal and availability to monitor the groundwater regime and ensure that the water table is not adversely impacted.
11.	Green Belt shall be developed and maintained in the 33% of project area, as committed and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop within a period of two years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
12.	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in).
13.	The project proponent shall undertake strengthening and widening of the existing approach road from NH-337A to the project site from the present width of approximately 3.5 m to 15 m in a phased manner, along with development of avenue plantation on both sides. The PP shall ensure proper maintenance of the road in coordination with local authorities to manage increased traffic due to project activities. The implementation of the road development plan shall be completed in a time-bound manner, ensuring minimal disturbance to local communities and smooth traffic movement.
14.	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 26 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
15.	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the

6.	Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
1 7.	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1 8.	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1 9.	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
2 0.	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
2 1.	The project proponent shall implement training and awareness programmes on natural/organic farming in consultation with the local Gram Panchayat, including distribution of quality seeds, promotion of organic farming practices, and facilitation of linkages for procurement of organic inputs, as committed. The activities shall be carried out in a structured and time-bound manner with measurable outcomes.
2 2.	PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
2 3.	PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.

3.1.6.2. Standard

3(b)	Cement plants
Statutory compliance	
1.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
2.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

Air Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
3.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.	Sampling facility at process shall be provided as per CPCB guidelines for manual monitoring of emissions.
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
6.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
9.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
10.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
11.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
12.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
13.	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.

1 4.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
1 5.	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
1 6.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
Air Quality Monitoring and Preservation in case of Integrated Cement Plants	
1.	Provide Low NO _x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO _x emissions.
2.	The emission norms applicable for the cement plant shall be adhered to.
3.	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
4.	DeSO _x system shall be provided dry type. NO _x level shall be maintained below 600 mg/Nm ³ by using best available technology.
5.	Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limits.
6.	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
7.	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
8.	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
9.	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
Water Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

4.	Water meters shall be provided at the inlet to all unit processes in the plants.
5.	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
6.	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
7.	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
8.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
9.	Air Cooled condensers shall be used in the captive power plant.
Noise Monitoring and Prevention	
1.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
2.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
3.	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.
Energy Conservation Measures	
1.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
2.	Provide LED lights in their offices and residential areas.
Energy Conservation Measures in case of Integrated Cement Plants	
1.	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
2.	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
3.	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
4.	Waste heat recovery system shall be provided for kiln and cooler.
Waste Management	
1.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.

2.	Kitchen waste shall be composted or converted to biogas for further use.
3.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
5.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
Green Belt	
1.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
2.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
3.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
Public Hearing and Human Health Issues	
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
3.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
Environment Management	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as

	committed.
2.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
6.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
7.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
8.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
9.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

1 0.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1 1.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
1 2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
1 3.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
1 4.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1 5.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1 6.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
1 7.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3.2. Agenda Item No 2:

3.2.1. Details of the proposal

Expansion of Integrated Steel Plant from 0.4785 MTPA to 0.9285 MTPA finished steel products (0.466 M TPA to 2.012 MTPA crude steel) and area expansion from 38.68 Ha to 84.021 Ha in Villages Kopedih and Anjora, Tehsil & District Rajnandgaon, Chhattisgarh of M/s Kalyani Ispat Limited by KALYANI ISPAT LIMITED located at RAJNANDGAON, CHHATTISGARH			
Proposal For		Expansion EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/CG/IND1/563492/2026	IA-J-11011/1172/2007-I A-II(IND-I)	20/04/2026	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

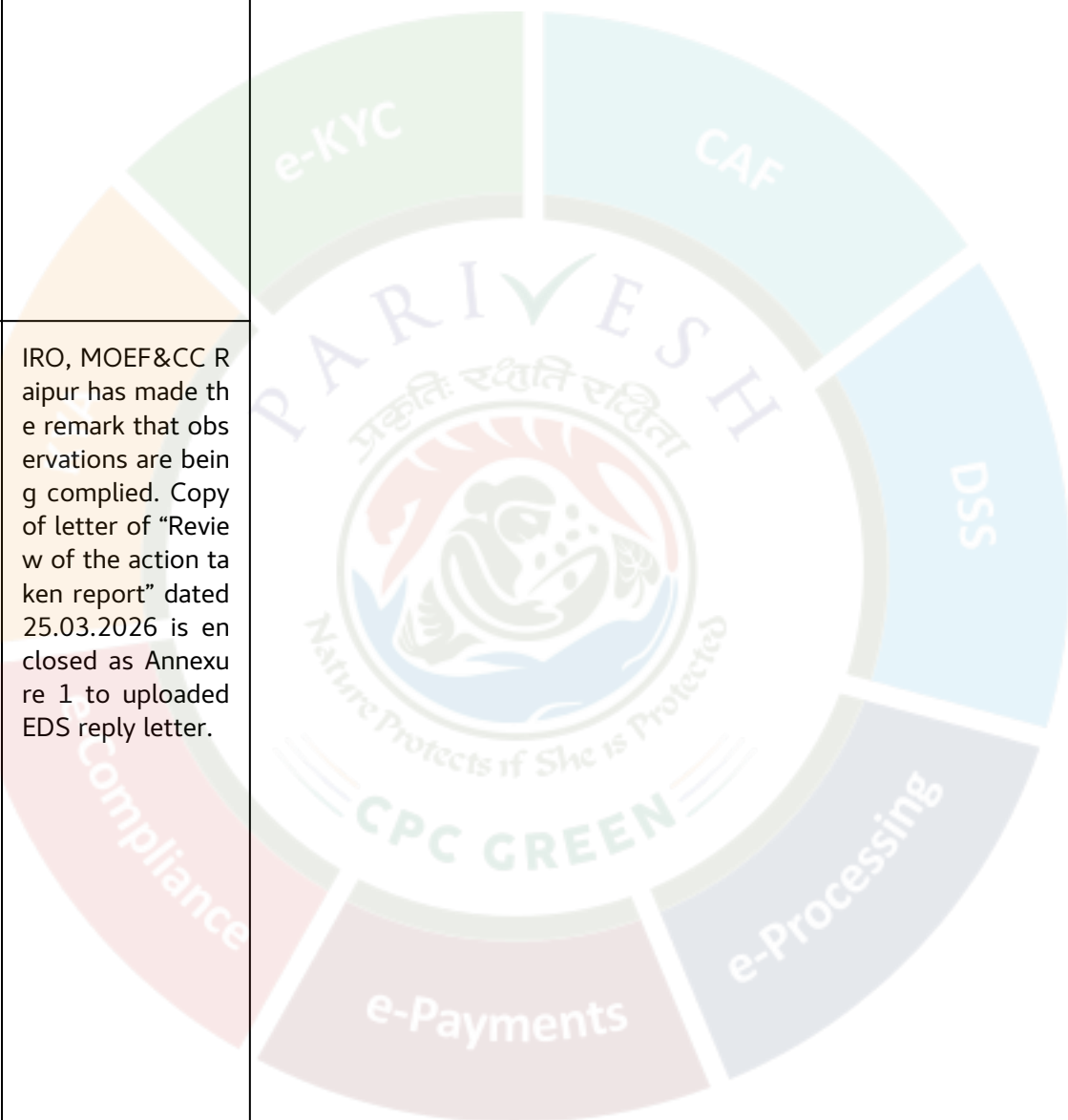
3.2.2. Project Salient Features

Date of application	Consideration	Details	Date of accord	ToR Validity
15.11.2024	71st EAC Meeting of the Industry-1, held on 19.12.2024	Terms of Reference	13.01.2025	12.01.2029

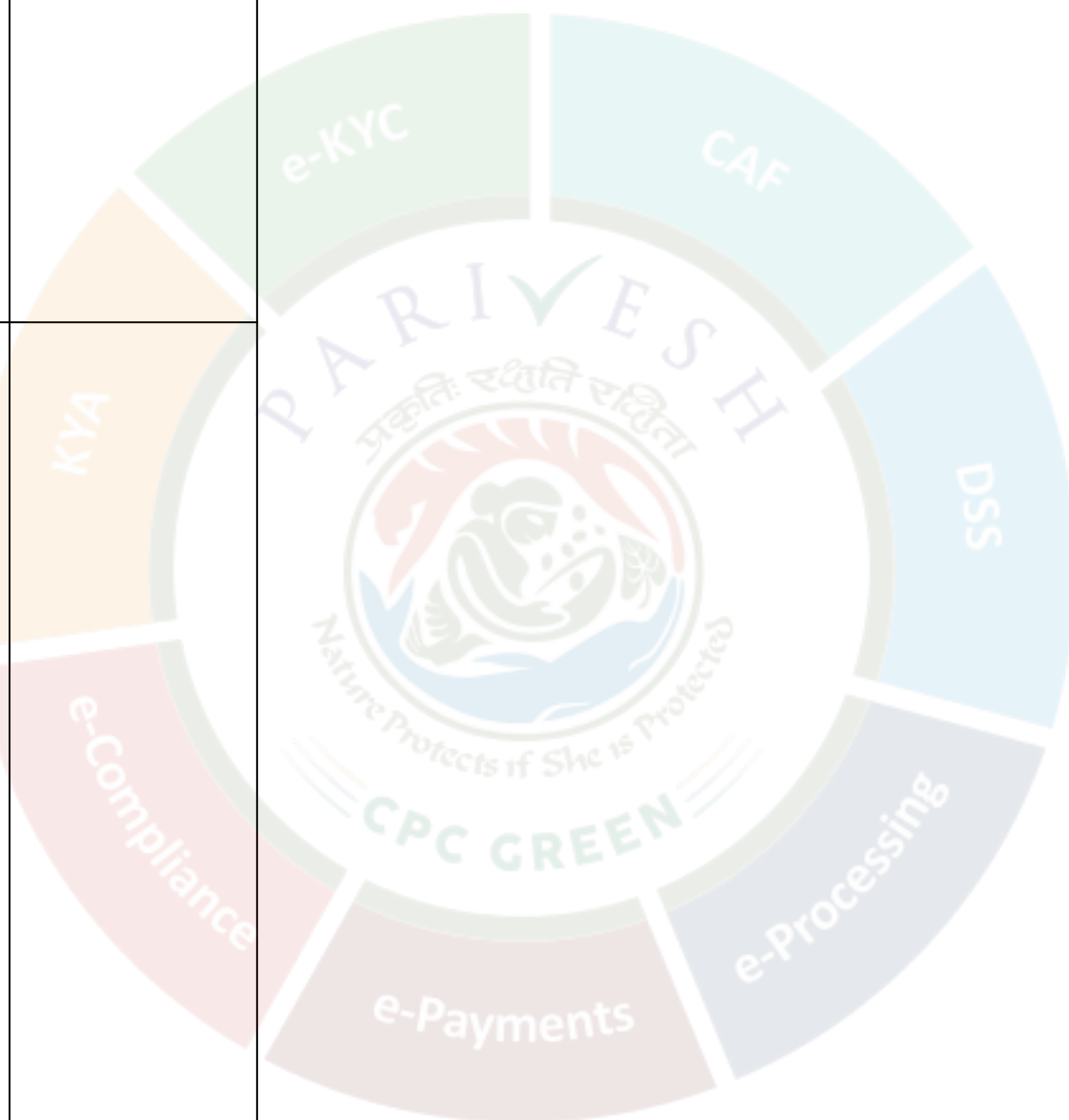
S l. No.	Details of EDS sought by Ministry	Reply of PP
1	The "Certified Compliance report (CCR)" was received from the IRO, Raipur vide letter F. No. IRO-RPR/ENV/IND/03/2025/121 dated 22.12.2025. The "Action Take Report (ATR)" was submitted by us vide letter no. KL/ MOEF/ 25-26/ dated 09.01.2026. In response to the same a "Review of the action taken report" was issued by RO, MOEF&CC, Raipur vide letter no. IRO-RPR/Env/Ind/03/2025/155 dated 25.03.2026 wherein	



S l. N o.	D e t a i l s o f E D S s o u r c e s u g h t b y M i n i s t r y	Reply of PP
	P P m a y u p l o a d t h e A T R R e v i e w R e p o r t f r o m R O. I t m a y u p d a t	IRO, MOEF&CC R aipur has made the remark that observations are being complied. Copy of letter of "Review of the action taken report" dated 25.03.2026 is enclosed as Annexure 1 to uploaded EDS reply letter.



S l. N o.	D e t a i l s o f E D S s o u r c e s s o u g h t b y M i n i s t r y	Reply of PP
	e d w h e t h e r I A C M D h a s t a k e n c o g n i z a n c e o f t h e i s s u e.	
2	P P m a y	We wish to submit that existing nal as will not be disturbed and the sto



S l. N o.	D e t a i l s o f E D S s o u r c e s u g h t b y M i n i s t r y	Reply of PP
	sub m i t N O C of W R D in re sp ec t of w a t e r b o d i e s w i t h i n/ a d j a c e n t to	rm water drainage system of the plant will be constructed along the internal roads of the plant. The Water Resources Department has granted NOC for culvert construction vide letter no. 1903/Work/2025 dated 26.06.2025. Copy enclosed as Annexure 2 to uploaded EDS reply letter.



S l. N o.	D e t a i l s o f E D S s o u g h t b y M i n i s t r y	Reply of PP
	the plan t.	KYA
3	P P m ay u p d at e th e m an n er in w h i c h th e c o n c er n e d	Public Hearing was held as per the guidelines and EIA Notification of 14.09.2006 by CECB. Public hearing was held to receive suggestion s/ comments/ objections, etc. from the people regarding proposed project. During public hearing total speakers were 107 out of which 22 were in opposition, few of whom were conditionally opposed subject to fulfillment of their demands. The various points raised in the public hearing have been addressed in the public hearing action

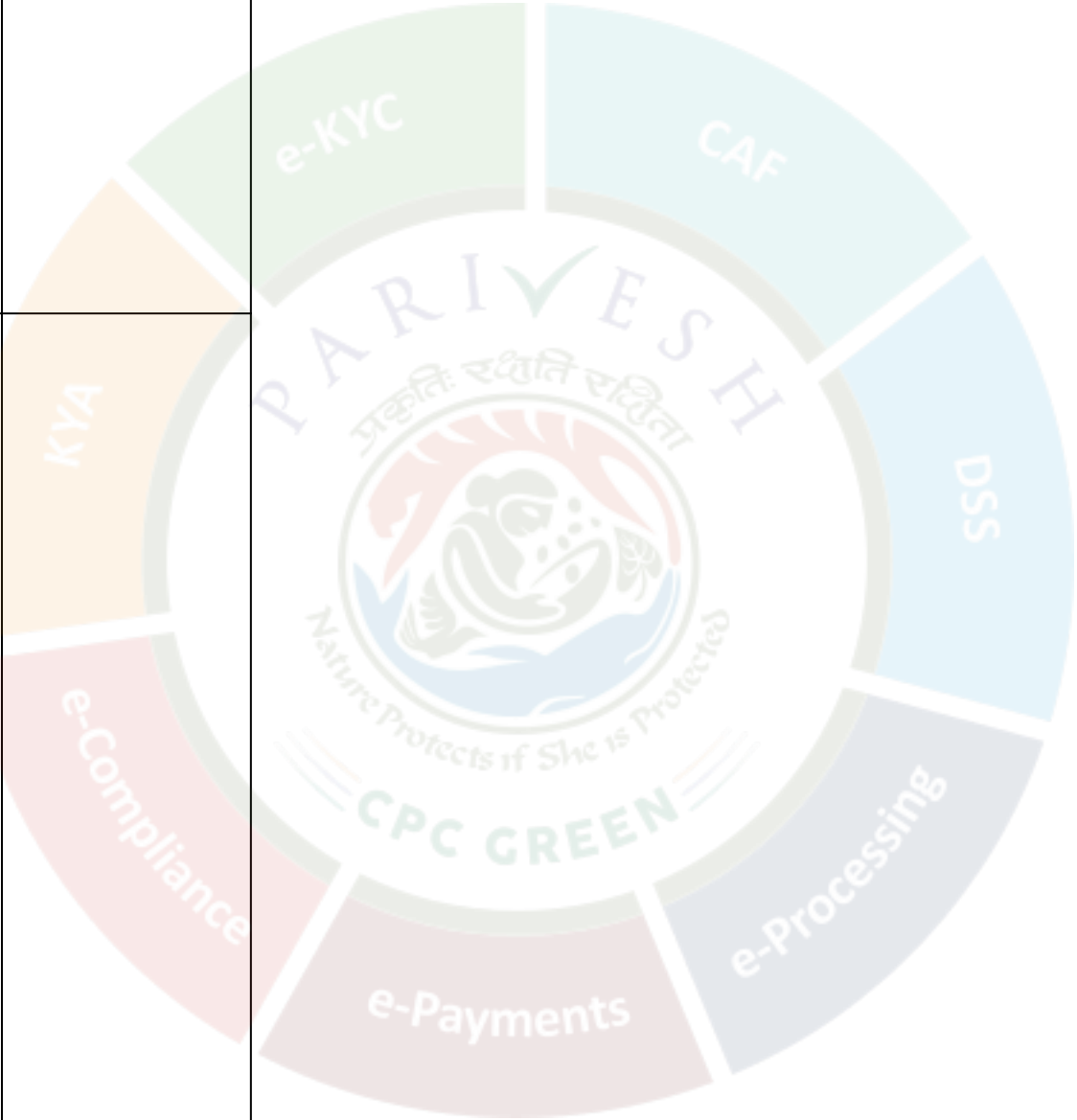


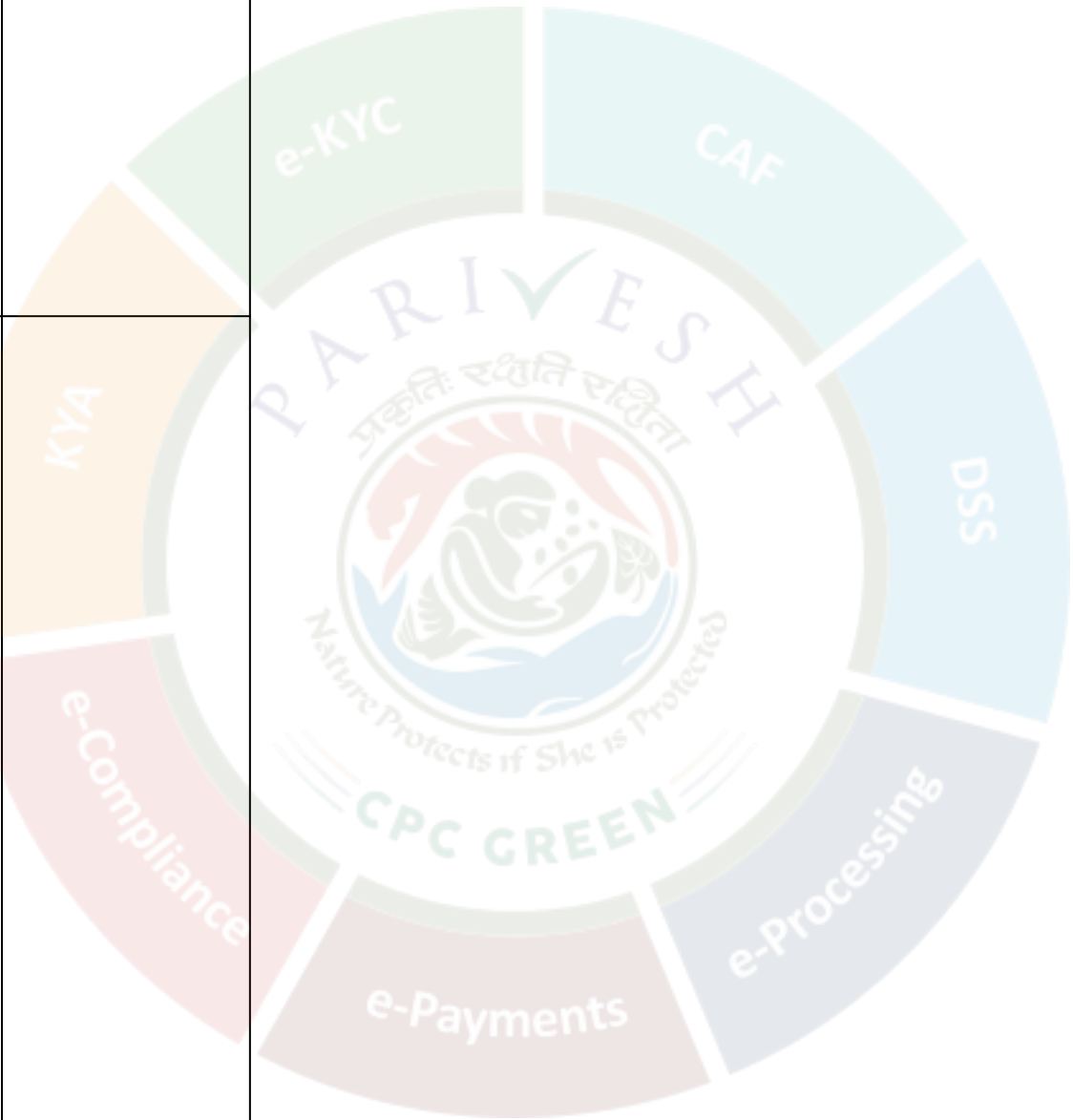
S l. N o.	D e t a i l s o f E D S s o u r c e s b y M i n i s t r y	Reply of PP
	o n p u b l i c a r e a d d r e s s e d i n P H a c t i o n p l a n, i n l i g h t o f o p p o s i t i	plan uploaded in Form C and included in Table 7.14 of Chapter 7. The same is enclosed again in Annexure 3 to uploaded EDS reply letter. In addition, the Company will put complaint box at the entry gate of the plant and project head will review the complaints received daily and endeavour to find the solutions.

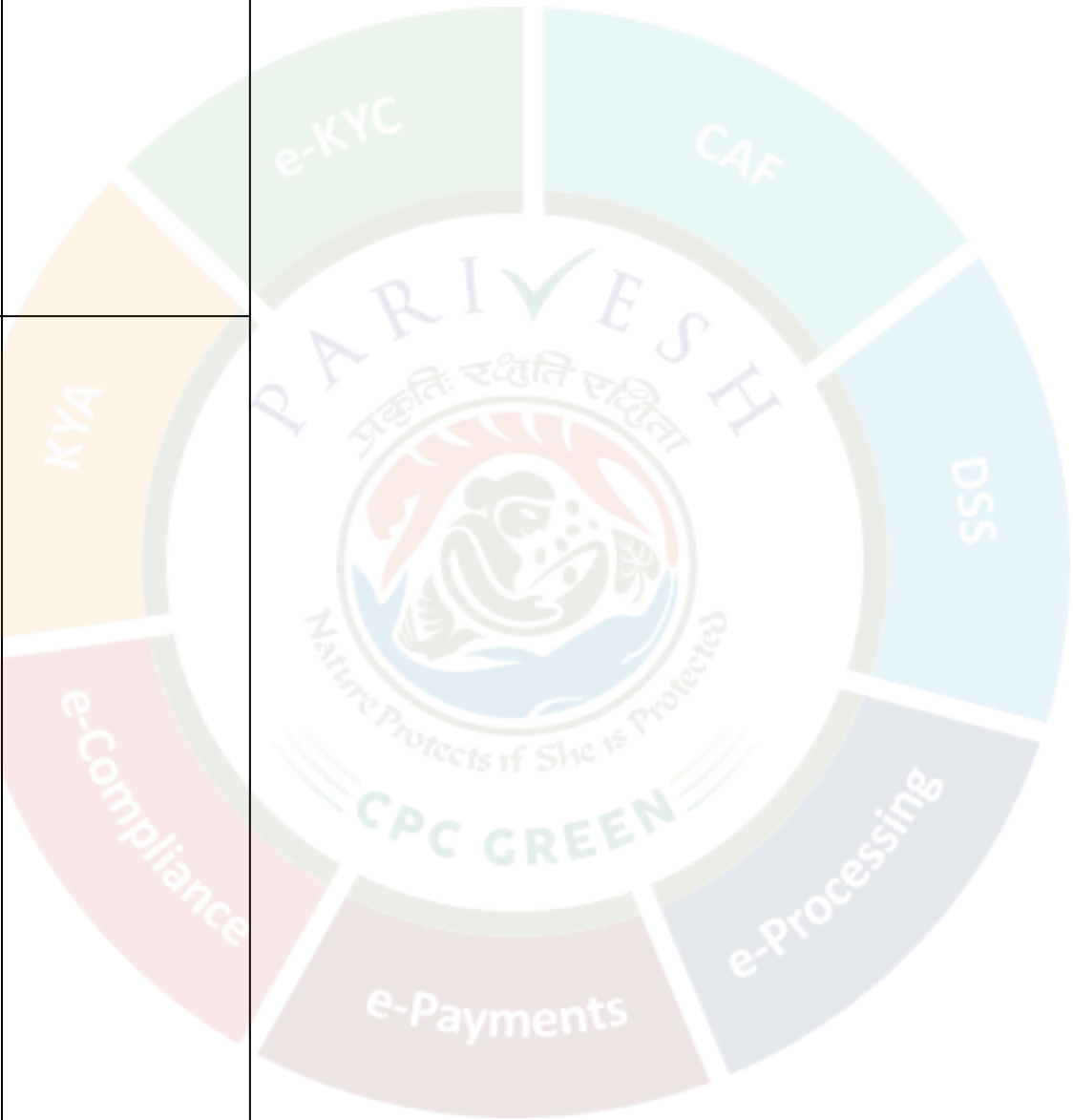


S l. N o.	D e t a i l s o f E D S s o u r c e s b y M i n i s t r y	Reply of PP
	o n	
4	P P h a s p r o p o s e d c l e a r a n c e o f 1 0 7 t r e e s (i n c l u d i n g t r a n s p	The tree cutting felling permission has been obtained from Sub division officer (revenue) vide letter no. 303 dated 24.02.2026. Copy enclosed as Annexure 4 to uploaded ED S reply letter.



S l. N o.	D e t a i l s o f E D S s o u r c e s o u g h t b y M i n i s t r y	Reply of PP
	la n t a t i o n o f 4 5 t r e e s o v e r 0. 1 5 h a h e n c e i t i s r e q u e s t e d t o s u	

S l. N o.	D e t a i l s o f E D S s o u r c e s b y M i n i s t r y	Reply of PP
	b m i t t e d d e t a i l s a n d c o p y o f p e r m i s s i o n o b t a i n e d f r o m t h e S t a	

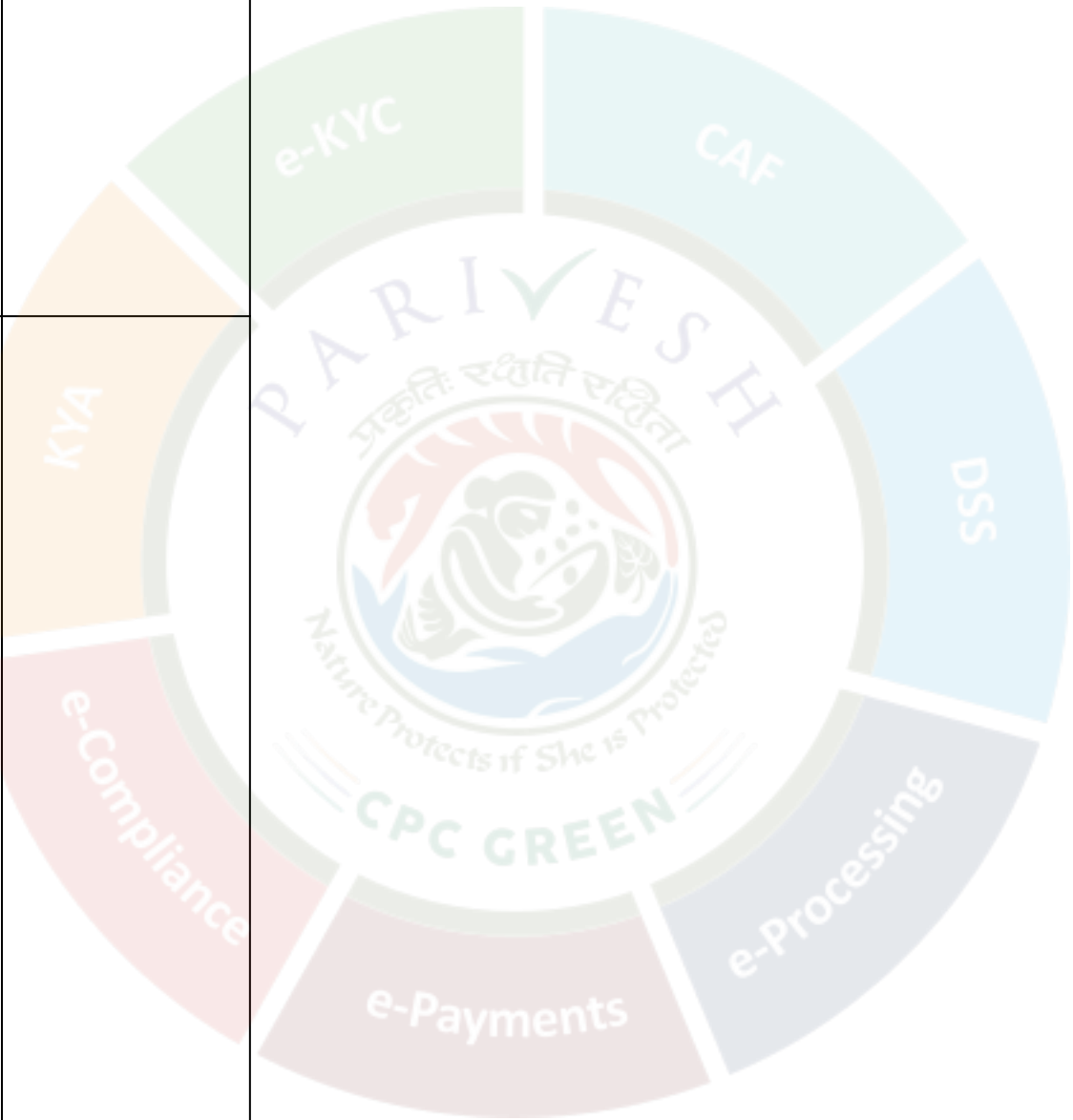
S l. N o.	D e t a i l s o f E D S s o u r c e s b y M i n i s t r y	Reply of PP
	e F o r e s t D e p a r t m e n t / o t h e r c o m p e t e n t a u t h o r i t y f o r r e c u	

S l. N o.	D e t a i l s o f E D S s o u r c e s b y M i n i s t r y	Reply of PP				
	tti n g a n d t r a n s p l a n t a t i o n , a l o n g w i t h a d e t a i l e d p l a n					
5	P P n e e d s	The land acquisiti on status is as fol lows: <table><tr><td>D e s</td><td>U n d</td><td>U n d</td><td>T o t</td></tr></table>	D e s	U n d	U n d	T o t
D e s	U n d	U n d	T o t			

S l. N o.	D e t a i l s o f E D S s o u r c e s o u g h t b y M i n i s t r y	Reply of PP			
	to su b m i t a c o m p l i a n c e s t a t e m e n t w. r. t. l a n d i n v o l v e d i n t h e p r	c r i p t i o n	e r p o s s e s i o n, i n h a	e r p r o c e s s, i n h a	a l i n h a
		E x i s t i n g	3 8. 6 8	0	3 8. 6 8
		P r o p o s e d	4 0. 1 2	5. 2 2 1	4 5. 3 4 1
		T o t a l	7 8. 8 0	5. 2 2 1	8 4. 0 2 1
		The affidavit rega			

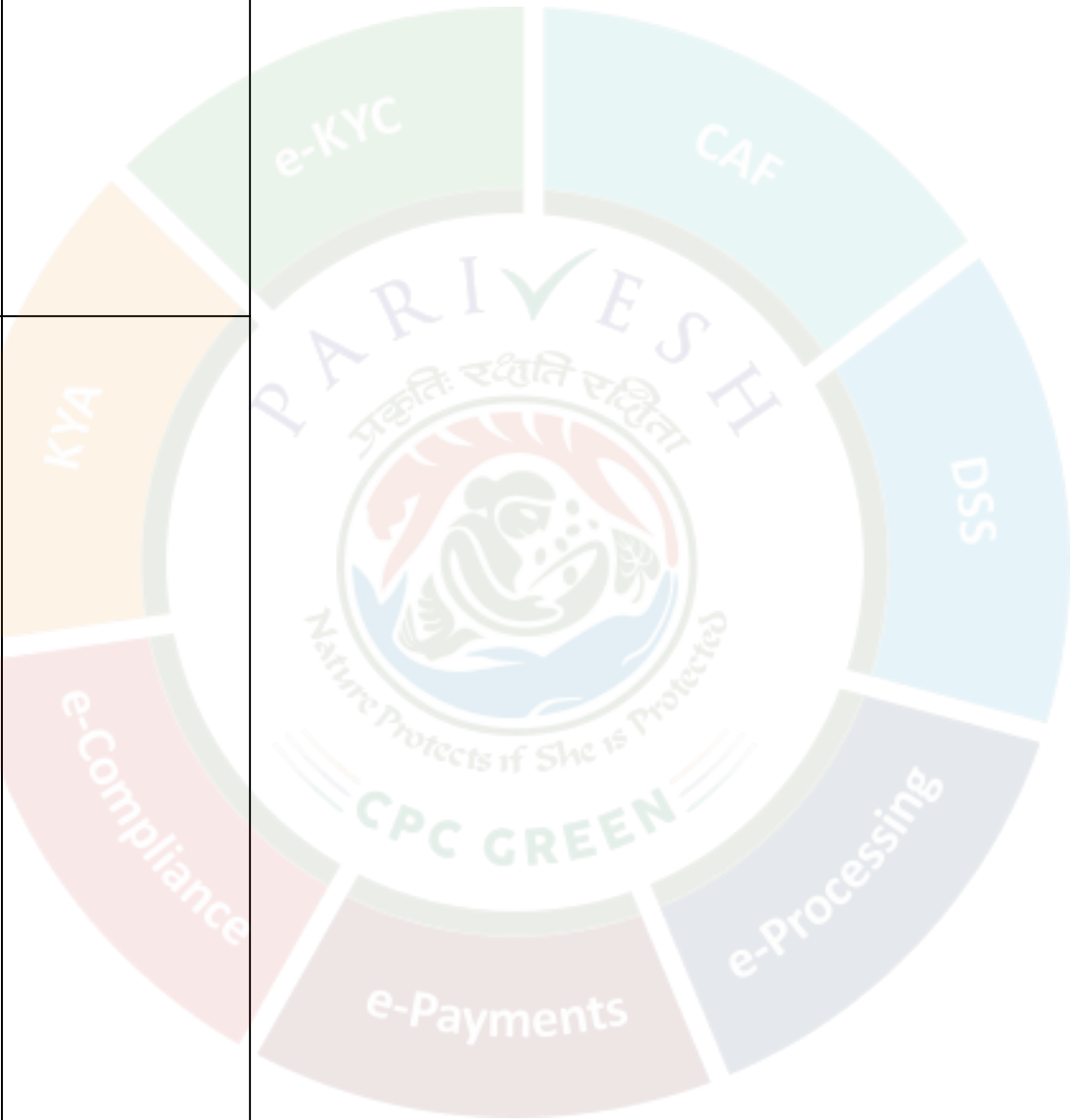
S l. N o.	D e t a i l s o f E D S s o u r c e s b y M i n i s t r y	Reply of PP
07-10-2014, as amended in February	oj ec t, as p er th e O M d at e d 0 7- 1 0- 2 0 1 4, as a m e n d e d i n F e b	rding land owned by the Company is given in Annexure 5 to uploaded EDS reply letter along with the land conversion document. Balance 5.221 ha under process of directly purchase on mutual agreed rate and shall be completed before commencement of construction on that land.

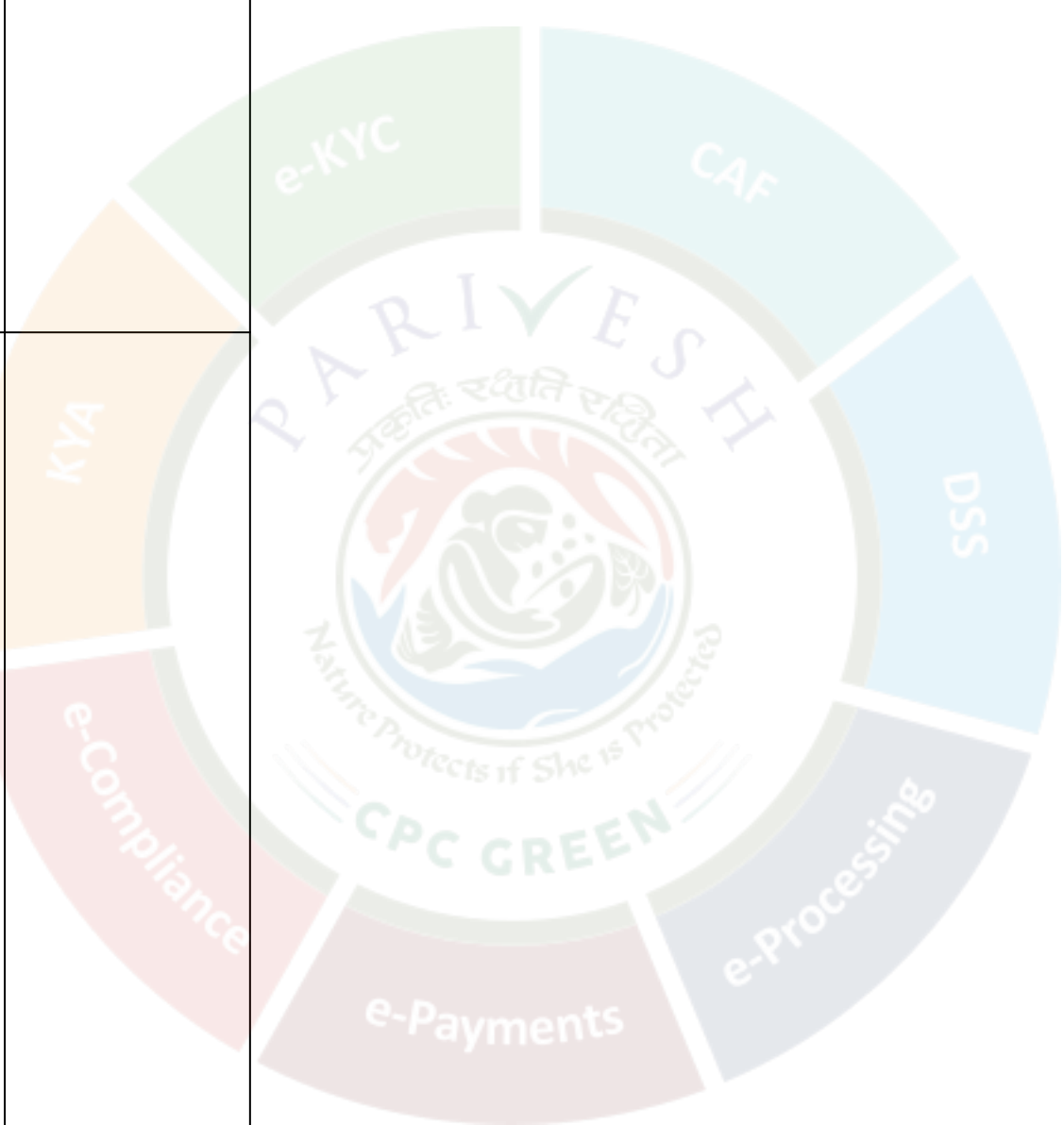


S l. N o.	D e t a i l s o f E D S s o u r c e s s o u g h t b y M i n i s t r y	Reply of PP
	ua r y- 2 0 2 5. T h e s u p p o r t i n g d o c u m e n t s m a y b e s u i t a b l y r	

S l. N o.	D e t a i l s o f E D S s o u r c e s u p l o a d e d.	Reply of PP
6	B a l a n c e 7. 9 8 3 h a u n d e r p r o c e s s o f d i	The consultant details are visible in the online form (preview link - https://parivesh.nic.in/newupgrade/#/report/ec?proposalId=1210653428&legacyApplicationId=0) at the end of form 1 Part A



S l. N o.	D e t a i l s o f E D S s o u r c e s b y M i n i s t r y	Reply of PP
	rectly purchased on mutual agreement rate and shall be completed by	

S l. N o.	D e t a i l s o f E D S s o u g h t b y M i n i s t r y	Reply of PP	
	ef or e c o m m e n c e m e n t o f c o n s t r u c t i o n o n t h a t l a n d.		
Sl. N o.	Particulars	Details	Remarks
i.	Total Land	Total 84.021 ha, [Private land 82.986 ha; G	Land use: Industrial, agric

Sl. No.	Particulars	Details	Remarks																								
		ovt land: 1.035 ha] Existing land : 38.680 ha Proposed additional land : 45.341 ha Total : 84.021 ha	ultural, non forest govern ment uses																								
ii.	Land acquisition details as per MoEF&C C O.M. dated 7/10/ 2014	Under possession : The existing 38.680 Ha land is under the possession of the company. Out of balance 45.341 ha, 40.12 ha is under possession and 5.221 ha is under process. 93.8% of total land already in possession	Break up of land and its lease/ LOI/ Consent/ Possession details/ Land conversion details needs to be included: The affidavit regarding land owned by the Company is submitted																								
iii.	Existence of habitation & involvement of R&R, if any.	Project Site : No habitation, no displacement Study Area : nearest : <table><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td>Kopedih</td><td>0.7 km</td><td>SW</td></tr><tr><td>Anjora</td><td>1 km</td><td>SE</td></tr></table>	Habitation	Distance	Direction	Kopedih	0.7 km	SW	Anjora	1 km	SE	Status of R&R: Not applicable since land is being directly purchased from owners at mutually agreed terms and conditions															
Habitation	Distance	Direction																									
Kopedih	0.7 km	SW																									
Anjora	1 km	SE																									
iv.	Latitude and Longitude of all corners of the project site.	<table><tr><th>Point</th><th>Latitude (N)</th><th>Longitude (E)</th></tr><tr><td>North Most</td><td>21°10'15.87"N</td><td>81°12'3.80"E</td></tr><tr><td>East Most</td><td>21°10'2.24"N</td><td>81°12'18.01"E</td></tr><tr><td>South Most</td><td>21° 9'36.97"N</td><td>81°11'47.12"E</td></tr><tr><td>West Most</td><td>21° 9'52.53"N</td><td>81°11'31.84"E</td></tr></table>	Point	Latitude (N)	Longitude (E)	North Most	21°10'15.87"N	81°12'3.80"E	East Most	21°10'2.24"N	81°12'18.01"E	South Most	21° 9'36.97"N	81°11'47.12"E	West Most	21° 9'52.53"N	81°11'31.84"E	Measured from google earth KML. List of all coordinates of boundary is submitted.									
Point	Latitude (N)	Longitude (E)																									
North Most	21°10'15.87"N	81°12'3.80"E																									
East Most	21°10'2.24"N	81°12'18.01"E																									
South Most	21° 9'36.97"N	81°11'47.12"E																									
West Most	21° 9'52.53"N	81°11'31.84"E																									
v.	Elevation of the project site	318 to 329 m above mean sea level.	Based on Google Earth.																								
vi.	Involvement of Forest land if any.	No forest land is involved in the project area.																									
vii.	Water body exists within the project site as well as study area	Project site: Seasonal Minor Drain, Branch Canal. No pond is there. One seasonal stream with its first order tributary passes through site as per toposheet but its channel is not well developed on ground. Study area <table><tr><th>Sl. No.</th><th></th><th></th><th></th></tr><tr><td></td><td>Khapri Nala</td><td>0.1</td><td>N</td></tr><tr><td></td><td>Seonath River (also known as Shivrath River)</td><td>3.4</td><td>E</td></tr><tr><td></td><td>Pulgaon Nala</td><td>5.3</td><td>ENE</td></tr><tr><td></td><td>Bharda Nala</td><td>5.5</td><td>N</td></tr><tr><td></td><td>Chitewar Nala</td><td>6.3</td><td>NNE</td></tr></table>	Sl. No.					Khapri Nala	0.1	N		Seonath River (also known as Shivrath River)	3.4	E		Pulgaon Nala	5.3	ENE		Bharda Nala	5.5	N		Chitewar Nala	6.3	NNE	Authenticated HFL data of the water body : The project site is not located in the vicinity of the river. The nearest river is Seonath River at a distance of 3.4 km. The Office of Executive Engineer, Water Resources Division, /W/ Rajnandgaon has issued a letter no. 577/W/2025 dated 24.02.2025 stating that the industry is not in the flood affected area of Shivrath River and there has been no flood in the last 20-25 years around the industrial site. The dep
Sl. No.																											
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	Seonath River (also known as Shivrath River)	3.4	E																								
	Pulgaon Nala	5.3	ENE																								
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Sl. No.	Particulars	Details				Remarks																																																															
		<table><tr><th>Sl. No.</th><th></th><th></th><th></th></tr><tr><td></td><td>Sahrabandha Talab</td><td>6.5</td><td>ENE</td></tr><tr><td></td><td>Khapri Canal</td><td>6.7</td><td>ESE</td></tr><tr><td></td><td>Kharkhara Nadi</td><td>7.0</td><td>S</td></tr><tr><td></td><td>Raja Talab</td><td>0.5</td><td>S</td></tr><tr><td></td><td>Water bodies near Kopedih</td><td>1.2</td><td>SW</td></tr><tr><td></td><td>Water bodies near Indawani</td><td>2.8</td><td>SW</td></tr><tr><td></td><td>Water bodies near Kakrel</td><td>6.2</td><td>WSW</td></tr><tr><td></td><td>Water bodies near Sankra</td><td>5.5</td><td>SSW</td></tr><tr><td></td><td>Water bodies near Kalhapuri</td><td>6.5</td><td>SE</td></tr><tr><td></td><td>Naya Talab</td><td>7.1</td><td>ENE</td></tr><tr><td></td><td>Water bodies near Bhen darwani</td><td>7.4</td><td>NW</td></tr><tr><td></td><td>Harnabandha Tank</td><td>7.9</td><td>ENE</td></tr><tr><td></td><td>Tandula River</td><td>8.4</td><td>SSE</td></tr><tr><td></td><td>Water bodies near Baghera</td><td>8.5</td><td>WNW</td></tr><tr><td></td><td>Water bodies near Nagpura</td><td>8.6</td><td>NNE</td></tr></table>	Sl. No.					Sahrabandha Talab	6.5	ENE		Khapri Canal	6.7	ESE		Kharkhara Nadi	7.0	S		Raja Talab	0.5	S		Water bodies near Kopedih	1.2	SW		Water bodies near Indawani	2.8	SW		Water bodies near Kakrel	6.2	WSW		Water bodies near Sankra	5.5	SSW		Water bodies near Kalhapuri	6.5	SE		Naya Talab	7.1	ENE		Water bodies near Bhen darwani	7.4	NW		Harnabandha Tank	7.9	ENE		Tandula River	8.4	SSE		Water bodies near Baghera	8.5	WNW		Water bodies near Nagpura	8.6	NNE	Department has no objection in this regard.		
Sl. No.																																																																					
	Sahrabandha Talab	6.5	ENE																																																																		
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viii.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Study area Nil List of Reserved and protected forests: There is 1 RF near Mangata at 3.4 km NW.			For the existing plant area letter was received from the Divisional Forest Officer, Rajnandgaon forest division dated 26-06-2022 stating that no forest land is present either within the existing the plant area nor any forest boundary is adjacent to the plant area.																																																																

Sl. No.	Facilities	Units	As per ECs dated 08.05.2024	Implementation status as on 16.05.2026	Production as per CTO
1	DRI Kiln	4 nos. X 500 TPD	660,000	Under construction	CTO yet to be applied
2	SMS via IF-LRF-AOD/VD and/ or EAF/BOF Route	IF 8 nos. X 20 T; LRF 1 no. X 25T and AOD 1 no. X 25 T	465,696	Under construction	CTO yet to be applied
2.1	CCM (Billets/Bloom/ slab /caster)(MS/ SS/ Alloy grade)	Existing CCM-1	465,696	Under construction	CTO yet to be applied
3	Rolling Mill	Re-rolled steel product 1 no. X 0.4785 MTPA [(a) 980 TPD (323400 TPA) hot charging rolling mill + (b) 470 TPD (155100 TPA) billet reheating furnace]	478,500	Under construction	CTO yet to be applied
3.1.1	Pipe mill/ Tube mill	470 Tones per day for MS Pipes/ Tubes	155,100	Yet to be constructed	CTO yet to be applied
3.1.2	Galvanizing unit	470 Tones per day for Galvanized products	155,100	Yet to be constructed	CTO yet to be applied
		Total (rolling mill 1 & 2)	478,500		
4	Pellet Plant	1 no. X 1.2 MTPA	1,200,000	Under construction	CTO yet to be applied
5	Ferro Alloys	Sub merged Arc furnace- 2 nos. X 9 MVA	As below	Yet to be constructed	CTO yet to be applied
		Silico Manganese	36,000		CTO yet to be applied
		Ferro silicon	22,500		CTO yet to be applied
		Ferro Manganese	46,000		CTO yet to be applied
		Pig Iron	63,000		CTO yet to be applied

Sl. No.	Facilities	Units	As per ECs dated 08.05.2024	Implementation status as on 16.05.2026	Production as per CTO								
6	Captive power plant												
6.1	DRI WHRB based CPP	from 4 nos. X 500 TPD DRI kilns	50 MW	Under construction	CTO yet to be applied								
6.2	AFBC/ CFBC based CPP	1 no. X 25 MW	25 MW	Under construction	CTO yet to be applied								
		Total Power	75 MW										
7	Fly ash brick plant	1 nos.	41,500	Yet to be constructed	CTO yet to be applied								
Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
1	DRI Kiln												
1.1		4 nos. X 500 TPD	66,000	-	-	4 nos. X 500 TPD	66,000	-	-	No change. However, enhancement in existing capacity utilisation.	405,000	4 nos. X 500 TPD	1,065,000
1.2		-	-	-	-	-	-	-	-	6 nos. X 100 TPD	319,500	6 nos. X 100 TPD	319,500

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
1.3		-	-	-	-	-	-	-	-	4 nos. X 500 TPD	1,065,000	4 nos. X 500 TPD	1,065,000
		Total DRI	660,000								1,789,500		2,449,500
2	SMS via IF-LRF-AOD/VD and/or EAF/BOF/EOF Route	IF 8 nos. X 20 T; LRF 1 no. X 25T and AOD 1 no. X 25 T	465,696	-	-	IF 8 nos. X 20 T; LRF 1 no. X 25T and AOD 1 no. X 25 T	465,696	-	-	IF 8 nos. X 20 T and/or EAF 1 no. X 100 T or BOF 2 nos. X 45 T; LRF 7 nos. X 25 T and/or AOD 7 nos. X 25 T and/or CLU 5 nos. X 20 T and/or VD 4 nos. X 30 T	465,696	IF 8 nos. X 20 T; IF 8 nos. X 20 T and/or EAF 1 no. X 100 T or BOF 2 nos. X 45 T; LRF 1 no. X 25 T and AOD 1 no. X 25 T; LRF 7 no	931,392

Sl. N o.	Plant unit s/ fa cilitie s	Existing as per EC dated 08.05.2024								Proposed Un its		Final (Existi ng + Propos ed)	
		Total [A+B]		Impleme nted (A)		Un Impleme nted (B)		As per C TO					
		Conf ig	Cap , TP A	Co nfi g	Ca p, TP A	Conf ig	Cap , TP A	Co nfi g	C ap , T P A	Confi g	Cap, TPA	Con fig	Cap, TPA
												s. X 25T and/ or A OD 7 no s. X 25 T and/ or C LU 5 nos. X 20 T an d/or VD 4 no s. X 30 T	
2. 1	CCM (Bille ts/Bl oom slab / caste r)(M S/ S S/ All oy gr ade)	Existi ng C CM- 1	46 5,6 96	-	-	Existi ng C CM- 1	46 5,6 96	-	-	Revis ed to 456, 382 c onsid ering 2% lo ss	Less 931 4	CC M 1	456, 382
		-	-	-	-	-	-	-	-	New CCM- 2	456, 382	CC M 2	456, 382
		Tota l Se mi-fi nish ed	46 5,6 96								456, 382		9,1 2,76 4
2.	Slag	-	-	-	-	-	-	-	-	1 no.	75 T	1 n	75 T

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
2	Crusher (IF slag)									X 75 TPH	PH	o. X 75 TPH	PH
3	Rolling mill												
3.1	Rolling Mill -1	Reroiled steel product 1 no. X 0.47 85 MTPA [980 TPD (323 400 TPA) hot charging rolling mill + 4 70 TPD (155 100 TPA) billet reheating furnace]	47 8,5 00	-	-	Reroiled steel product 1 no. X 0.47 85 MTPA [980 TPD (323 400 TPA) hot charging rolling mill + 4 70 TPD (155 100 TPA) billet reheating furnace]	47 8,5 00	-	-	Revised configuration - Rolling mill including reheating furnace (Long and/or TMT and/or wire rod and/or TMT & Wire rod and/or flat and/or Round and/or structural mill and/or	No change/ addition	1 no. X 0.47 85 MTPA	478, 500

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										Strip mill and/or Bright Bar and/or rolled products of stainless steel or others and/or Hot Rolled/ HRC Mill/Plate/ Pipe & Tube Products/ ERW and/or HFIW and/or HF W Pipe & Tubes and/or Seamless Steel Tube			

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										& Pipes manufacturing and Rolling with complete finishing facilities of line and OCTG finishing/ wire drawing/ HB wire/ Binding wire/ Nail/ Barbed wire & GI Wire or mesh wire or Gabion wire mesh with coating or Ro			

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										lled products of stainless Steel or alloy steel or LRPC wire, etc.) followed by one or more in series of pickling, cold rolling, annealing, galvanizing			
3.1.1	Pipe mill/ Tube mill	470 TPD	155,100	-	-	470 TPD	155,100	-	-	-	-	470 TPD	155,100
3.1.2	Galvanizing unit	470 TPD	155,100	-	-	470 TPD	155,100	-	-	-	-	470 TPD	155,100
3.2	Rolling Mill	-	-	-	-	-	-	-	-	Rolling mill	450,000	1 no. X	450,000

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
	-2									including reheating furnace (Long and/or TMT and/or wire rod and/or TMT & Wire rod and/or flat and/or Round and/or structural mill and/or Strip mill and/or Bright Bar and/or rolled products of stainless steel or		0.45 MTPA	

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										others and/or Hot Rolled/ HRC Mill/Plate/ Pipe & Tube Products/ ERW and/or HFIW and/or HF W Pipe & Tubes and/or Seamless Steel Tube & Pipes manufacturing and Rolling with complete finishing facilities of			

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										line and OCTG finishing/ wire drawing/ HB wire/ Binding wire/ Nail/ Barbed wire & GI Wire or mesh wire or Gabion wire mesh with coating or Rolled products of stainless Steel or alloy steel or LRPC wire, etc.) follow			

Sl. No.	Plant unit s/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per C TO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										wed by one or more in series of pickling, cold rolling, annealing, galvanizing			
		Total (rolling mill 1 & 2)	478,500								450,000	1 no. X 0.4785 MTPA + 1 no. X 0.45 MTPA	928,500
4	Pellet Plant												
4.1	Pellet Plant	1 no. X 1.2 MTPA	1,200,000	-	-	1 no. X 1.2 MTPA	1,200,000	-	-	Revised configuration - Pellet plant with Iron Ore	No change/ addition	1 no. X 1.2 MTPA	1,200,000

SL. N o.	Plant unit s/ fa cilitie s	Existing as per EC dated 08.05.2024								Proposed Un its		Final (Existi ng + Propos ed)	
		Total [A+B]		Impleme nted (A)		Un Impleme nted (B)		As per C TO					
		Conf ig	Cap , TPA	Co nfi g	Ca p, TP A	Conf ig	Cap , TP A	Co nfi g	C ap , T P A	Confi g	Cap, TPA	Con fig	Cap, TPA
										with Benef iciati on			
4. 2	Pellet plant with I ron O re wit h Ben eficia tion	-	-	-	-	-	-	-	-	1 no. X 3.7 5 MT PA	3,75 0,00 0	1 n o. X 3.75 MTP A	3,75 0,00 0
		Sub Tota l (Pe llet plan t)	1,2 00, 000								3,75 0,00 0		4,95 0,00 0
5	Ferro Alloy s	Sub merg ed A rc fu rnac e- 2 nos. X 9 MVA	As b elow	-	-	Sub merg ed A rc fu rnac e- 2 nos. X 9 MVA	As bel ow	-	-	AOD 1 no. X 10 T an d/ or CLU 1 no. X 12 T an d/ or Refini ng Ar c Fur nace and/ or Ele ctric Arc F urnac	No c hang e	SAF 2 no s. X 9 M VA with AOD 1 n o. X 10 T and/ or C LU 1 no. X 12 T an d/ o r Refi	As b elow

Sl. N o.	Plant unit s/ fa cilitie s	Existing as per EC dated 08.05.2024								Proposed Un its		Final (Existi ng + Propos ed)	
		Total [A+B]		Impleme nted (A)		Un Impleme nted (B)		As per C TO					
		Conf ig	Cap , TPA	Co nfi g	Ca p, TP A	Conf ig	Cap , TP A	Co nfi g	C ap , T P A	Confi g	Cap, TPA	Con fig	Cap, TPA
										e 4 n os. X 4.5 M VA		ning Arc Furn ace and/ or El ectri c Ar c Fu rnac e 4 nos. X 4. 5 M VA	
		Silic o Ma ngan ese	36, 000	-	-	Silic o Ma ngan ese	36, 000	-	-	Silico Mang anese	0	Silic o M anga nese	36,0 00
		Ferr o sili con	22, 500	-	-	Ferr o sili con	22, 500	-	-	Ferro silico n	0	Ferr o sili con	22,5 00
		Ferr o Ma ngan ese	46, 000	-	-	Ferr o Ma ngan ese	46, 000	-	-	Ferro Mang anese	0	Ferr o M anga nese	46,0 00
		Ferr o Ch rom e	-	-	-	Ferr o Ch rom e	-	-	-	Ferro Chro me	360 00	Ferr o Ch rom e	36,0 00
		Pig Ir on	63, 000			Pig Ir on	63, 000			Pig Ir on	0	Pig I ron	63,0 00
		Briq uetti	-	-	-	Briq uetti	-	-	-	1 no. X 12	82,8 00	1 n o. X	82,8 00

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
		ng/ Sintering Plant				ng/ Sintering Plant				TPH Fe-Mn; 1 no. X 10 TPH Fe-Cr		12 TPH Fe-Mn; 1 no. X 10 TPH Fe-Cr	
		Metall Recovery Plant	-	-	-	Metall Recovery Plant	-	-	-	1 no. X 5 TPH	-	1 no. X 5 TPH	-
		Maximum	63,000								36000		63,000
6	Captive power plant												
6.1	DRI WHR Based CPP	from 4 nos. X 500 TPD DRI kilns	50 MW	-	-	from 4 nos. X 500 TPD DRI kilns	50 MW	-	-	from 4 nos. X 500 TPD & 6 nos. X 100 TPD DRI kilns	65 MW	from 8 nos. X 500 TPD & 6 nos. X 100 TPD DRI kilns	115 MW
6.2	Coke oven	-	-	-	-	-	-	-	-	from 7 no	40 MW	7 nos.	40 MW

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
	plant WHR Based CPP									s. X 70000 TPA coke oven plant			
6.3	MBF WHR Based CPP	-	-	-	-	-	-	-	-	from 1 no. MBF of 686 cum	10 MW	1 no.	10 MW
6.4	TRT	-	-	-	-	-	-	-	-	from 1 no. MBF of 686 cum	5 MW	1 no.	5 MW
	AFB C/ CFBC based CPP	1 no. X 25 MW	25 MW	-	-	1 no. X 25 MW	25 MW	-	-	7 nos. X 40 MW, 1 no. X 30 MW	310 MW	1 no. X 25MW + 7 nos. X 40 MW + 1 no. X 30 MW	335 MW
		Total Power	75 MW								430 MW		505 MW
9	Fly ash brick	1 nos.	41,500	-	-	1 nos.	41,500	-	-	2 nos.	83,000	3 nos.	124,500

Sl. N o.	Plant unit s/ fa cilitie s	Existing as per EC dated 08.05.2024								Proposed Un its		Final (Existi ng + Propos ed)	
		Total [A+B]		Impleme nted (A)		Un Impleme nted (B)		As per C TO					
		Conf ig	Cap , TPA	Co nfi g	Ca p, TP A	Conf ig	Cap , TP A	Co nfi g	C ap , T P A	Confi g	Cap, TPA	Con fig	Cap, TPA
	k pla nt												
10	MBF	-	-	-	-	-	-	-	-	1 no. X 68 6 cu m	1,08 0,45 0	1 n o. X 686 cum	1,08 0,45 0
11	Sinte r plan t	-	-	-	-	-	-	-	-	1 no. X 13 0 sq. m.	1,50 1,50 0	1 n o. X 130 sq. m.	1,50 1,50 0
12	Coke oven plant	-	-	-	-	-	-	-	-	7 no s. X 7 0,00 0 TPA	490, 000	7 no s. X 700 00 T PA	490, 000
13	Oxyg en pl ant	-	-	-	-	-	-	-	-	1 no. X 30 0 TP D + 1 nos. X 15 0 TP D	450 TPD	1 n o. X 300 TPD + 1 nos. X 15 0 TP D	450 TPD
14	DI pi pe pl ant	-	-	-	-	-	-	-	-	2 no s. X 0.5 M TPA DI Fit ting p lant 2 nos. X 25, 000	1,00 0,00 0	2 no s. X 0.5 MTP A DI Fi tting plan t 2 n os.	1,00 0,00 0

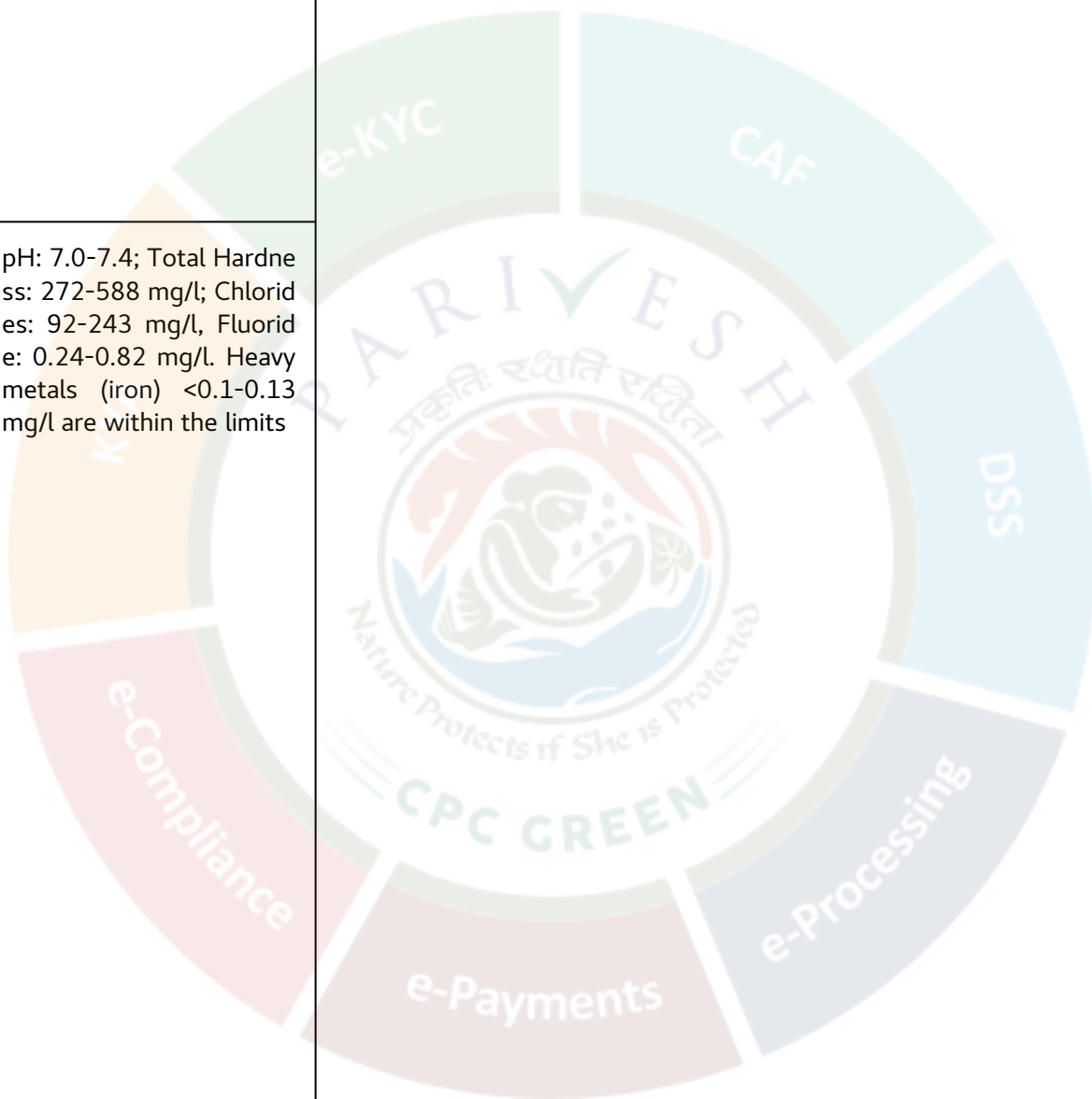
Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										TPA		X 25000 TPA	
15	Cement Plant (Grinding Unit)	-	-	-	-	-	-	-	-	1 no. X 2500 TPD	825,000	1 no. X 2500 TPD	825,000
16	Lime Calcination Plant	-	-	-	-	-	-	-	-	1 no. X 15 TPD + 2 nos. X 115 TPD	80,104	1 no. X 15 TPD + 2 nos. X 115 TPD	80,104
17	Coal Washery	-	-	-	-	-	-	-	-	1 no. X 250 TPH	1,500,000	1 no. X 250 TPH	1,500,000
18	Producer Gas Plant	-	-	-	-	-	-	-	-	15 nos. X 5,000 nm ³ /hr	630 Million Nm ³ /annum	15 nos. X 5,000 nm ³ /hr	630 Million Nm ³ /annum
Sl. No.	Raw material	Total Quantity per annum in TPA			Source		Distance from site, Kms	Mode of transport					
		Existing	Expansion	Total									
1	Iron Ore/ Fines/	1236	533945	65754	Private mines of Chh		400	Road					

Sl. No.	Raw material	Total Quantity per annum in TPA			Source	Distance from site, Kms	Mode of transport
		Existing	Expansion	Total			
	concentrate	000	5	55	attisgarh, Odisha, Madhya Pradesh		
2	Dolomite	84960	624161	709121	Private mines in Chhattisgarh /MP/ Odisha	300	Road
3	Refractory material	990	2684	3674	Manufacturers in CG	300	Road
4	Bentonite	9600	52500	62100	Rajasthan/Gujarat	1500	Road
5	Coal	974410	2616700	3591110	Talcher, Odisha: Jharkhand; Chhattisgarh	450	Road
6	Iron Ore BF Grade	0	276462	276462	Private mines/ OMC	300	Road
7	Coke, Charcoal	0	38524	38524	Chhattisgarh /MP/ Odisha/Jharkhand	400	Road
8	Coal dust	0	162068	162068	Talcher, Odisha: Jharkhand; Chhattisgarh	400	Road
9	Quartz	40500	56183	96683	Chhattisgarh/MP	300	Road
10	Limestone	7609	412056	419665	Chhattisgarh/MP	350	Road
11	Coking Coal	0	739900	739900	Open market/ Imported	650	Road
12	Hot metal	0	438534	438534	Open market	300	Road
13	Fe-Si, Calcium Carbide magnesium ingot, inoculants	0	13333	13333	Open market	300	Road
14	Sand for core	0	60000	60000	Open market	300	Road
15	Resin, hardener, catalyst, paint	0	1400	1400	Open market	300	Road

Sl. No.	Raw material	Total Quantity per annum in TPA			Source	Distance from site, Kms	Mode of transport
		Existing	Expansion	Total			
16	Zinc wire/ aluminium wire	0	6667	6667	Open market	300	Road
17	Sand for lining	0	166667	166667	Open market	300	Road
18	Portland cement	0	100000	100000	Open market	300	Road
19	Bitumen/ epoxy paint	0	9000	9000	Open market	300	Road
20	Semi finished products (Billet/bloom)	0	54423	54423	Open market/ imported	300	Road
21	Electrode Paste	2096	0	2096	Open market	300	Road
22	Manganese Ore (Quality 38%-40% Mn)	25920	0	25920	MOIL/ Private mines	300	Rail/road
23	Low-Grade High Silicon Moil Ore	31140	0	31140	MOIL/ Private mines	300	Rail/road
24	Chrome Ore Lump	7200	0	7200	OMC/ Private mines	300	Road
25	Manganese Ore Concentrate	111322	0	111322	MOIL/ Private mines	300	Rail/road
26	Molasses	7358	0	7358	Open market	100	Road
27	Chome-ore concentrate	0	92768	92768	OMC/ Private mines	600	Road
28	Fuel Oil	0	16021	16021	Open market	50	Road
29	Clinker	0	559615	559615	Open market	100	Road
30	Gypsum	0	41250	41250	Open market	1400	Road
31	Mill scale (from CCM/RM/SM/DP)	75001	0	75001	Open market	100	Road

Sl. No.	Raw material	Total Quantity per annum in TPA			Source	Distance from site, Kms	Mode of transport
		Existing	Expansion	Total			
32	Lancing pipe and canister sheet	729	0	729	Open market	100	Road
33	Fluidized bed media	150	1862	2012	Open market	100	Road
34	Others	0	0	56555	Open market	300	Road
	Total	2607785	11889433	14553773			
Period	Post Monsoon Season- 1st October to 31st December 2024						
AAPARAMEters at 8 Locations (min and max)	PM2.5 = 23.8 to 46.8 $\mu\text{g}/\text{m}^3$ PM10 = 42.8 to 78.0 $\mu\text{g}/\text{m}^3$ SO2 = 6.0 to 13.3 $\mu\text{g}/\text{m}^3$ NO2 = 8.8 to 20.1 $\mu\text{g}/\text{m}^3$ CO = 0.115 to 0.802 mg/m^3						

x)	
In c r e m e n t a l G L C l e v e l	PM10 = 26.0 $\mu\text{g}/\text{m}^3$ (Level at 0.1 km in WNW) PM2.5 = 6.74 $\mu\text{g}/\text{m}^3$ (Level at core zone) SO2 = 26.88 $\mu\text{g}/\text{m}^3$ (Level at core zone) NOx = 46.97 $\mu\text{g}/\text{m}^3$ (Level at 0.1 km in SW)
G r o u n d w a t e r q u a l i t y a t 8 l o c a t i o n s	pH: 7.0-7.4; Total Hardness: 272-588 mg/l; Chlorides: 92-243 mg/l, Fluoride: 0.24-0.82 mg/l. Heavy metals (iron) <0.1-0.13 mg/l are within the limits
S u r f a c e w a t e r	pH: 7.7-8.2, DO: 7.8-8.9 mg/l, BOD: 1.2-7.2 mg/l and COD : <5- 18.29 mg/l



r q u a l i t y a t 8 l o c a t i o n s	
N o i s e l e v e l s L e q (d a y a n d n i g h t) a t 10 l o c a t i o n s	48.83 to 57.50 dB (A) for the day time and 36.19 to 44.39 dB (A) for the night time
T r a f f i	l Traffic study has been conducted at 3 locations, namely, (1) unmetalled road near Joratara vi



costs
estimated
study findings

llage (2) Industrial road near Rasmara village (3) NH-53 near Khapri village, which are 2.0, 3.2 & 1.3 km aerially from the plant site, respectively
l Transportation of raw material, fuel & finished product will be done 100 % by road
l Existing PCU and level of service (LOS) is below:

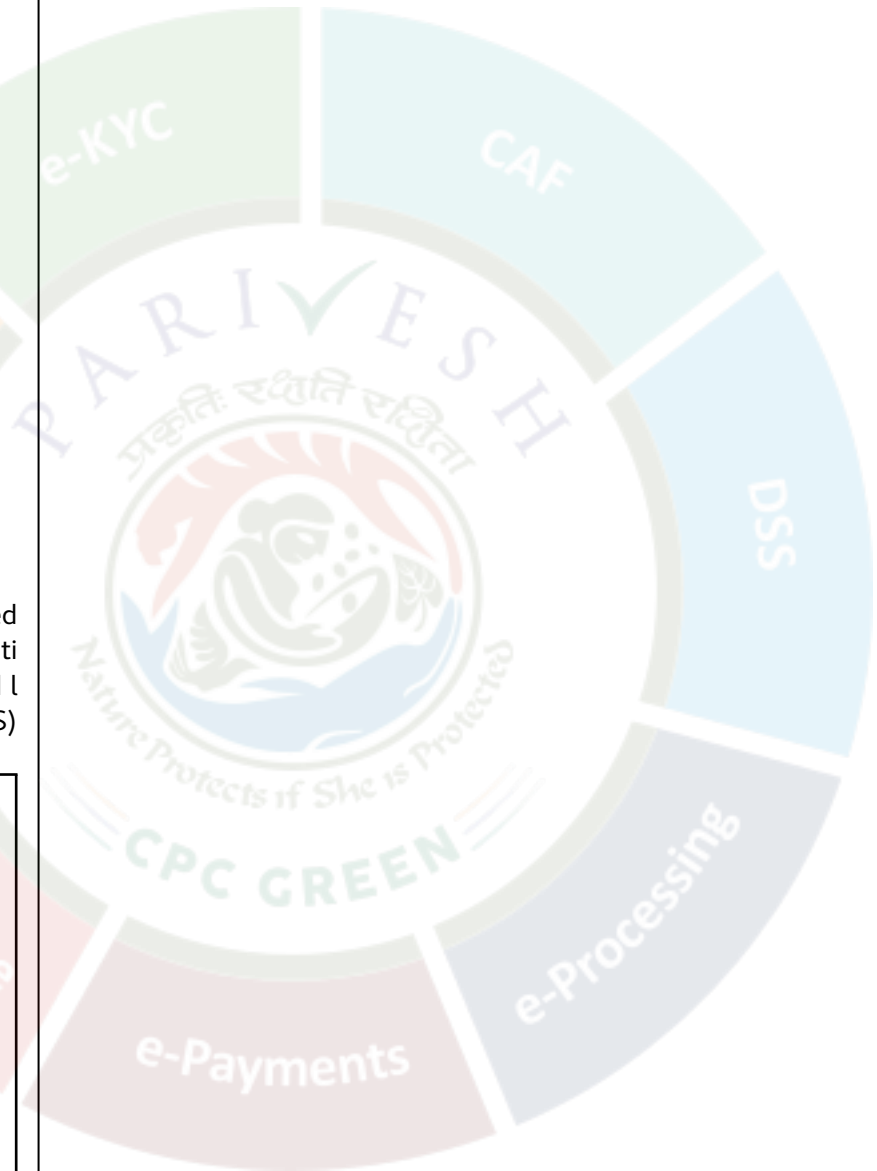
Road	Vol (V)	Cap (C)	Ex (is)	L (o)
	Maximum	Maximum	Maximum	Maximum
	PCU/hr	PCU/hr	PCU/hr	PCU/hr
(1) unmetalled road near Joravilla	56	166	0.33	B
(2) Industrial	240	2916	0.082	A



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ar	1	9		
K	7	1		
ha	7	6		
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l PCU load after proposed project will be (Existing+ Additional) and l
level of service (LOS)
will be as follows:

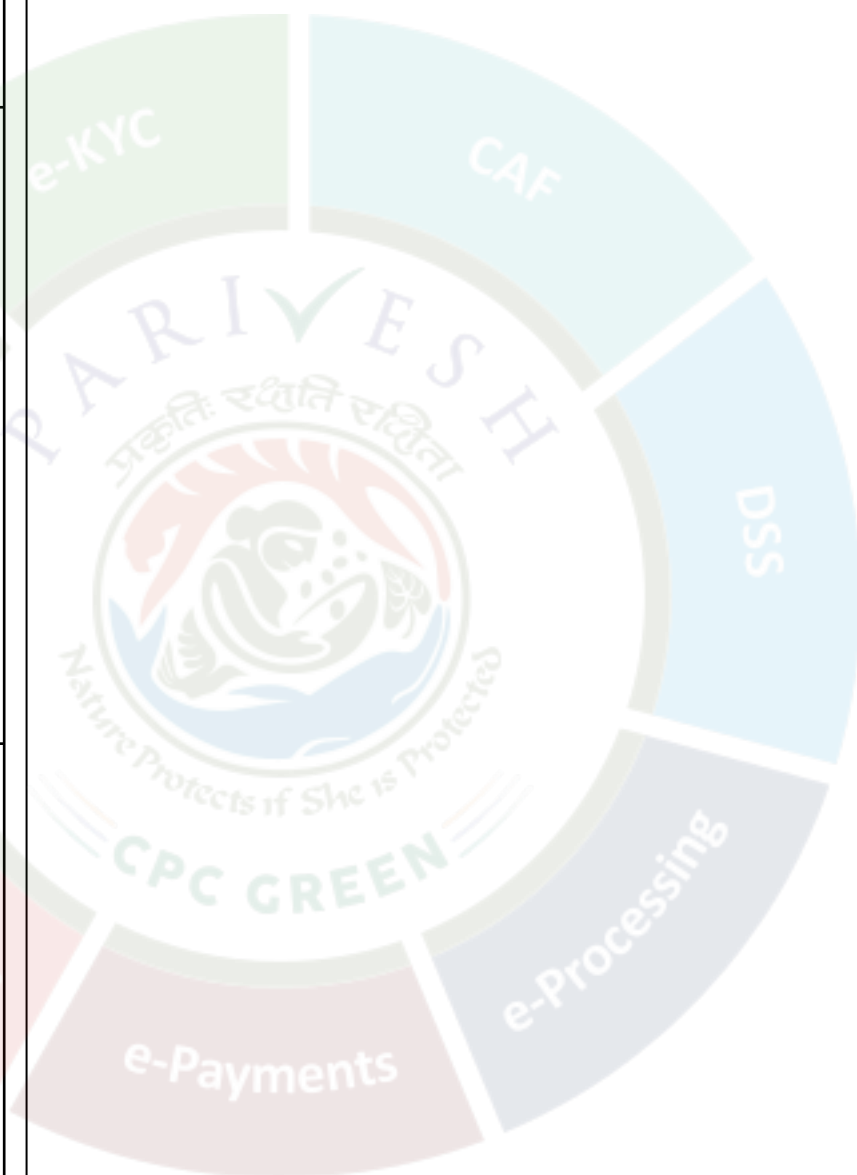
R oad	V (V ol u m e i n P C U/ h r)	C (M ax im u m C ap ac it y i n P C U/ hr)	Pr o p o s e d V/ C R a t i o	L o S
(1) un m	6 9 5	1 6 6	0. 4 8	B



et all ed ro ad ne ar Jo ra ta ra vil la ge				
(2)) I nd us tri al ro ad ne ar Ra s m ar a vil la ge	8 7 9	2 9 1 6	0. 6 1	C
(3)) N H- 5 3 ne ar K ha pr i v ill ag e	1 8 1 5	2 9 1 6	0. 6 2	C

Note: Capacity as per IRC-64-1990. Guide line for capacity for roads.

Conclusion: The level of service will B to C after including additional traffic due to proposed project.



Flora and Fauna
Schedule I species is present within Buffer zone which has 12 species, namely. Indian Wolf (*Canis lupus*), Jungle cat (*Felis chaus*), Grey mongoose (*Urvauveria edwardsii*), Indian fox (*Vulpes bengalensis*), Pangolin (*Manis crassicaudata*), Indian cobra (*Naja naja*), Rat Snake (*Ptyas mucosa*), Russel's Viper (*Daboia russelii*), Bengal Monitor (*Varanus bengalensis*), Python (*Python molurus*), Common barn owl (*Tyto alba*) and Indian Peafowl (*Pavo cristatus*). The Wildlife Conservation and Management Plan has been prepared by Enviro Synergy Consultancy Services and Approved by PCCF (Wildlife and biodiversity conservation)-cum-CWLW vide letter No. 756/153 dated 04.07.2025.

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment- inhouse reuse	Disposal- outhouse	Remark
1	Dust (Iron Ore, Coke, Coal Fines)	Pelletisation plant	380667	380667	0	100% reused in mixing bin of pellet plant
2	Middlings	Coal washery	637500	637500	0	100% reused in captive power plant
	Reject		112500	0	112500	100% temporarily stored in solid waste disposal area within project site till sent for backfilling in mine or used for road making/ filling of low lying area.
3	Char	Sponge Iron (DRI) plant	639092	639092	0	100% reused in CPP boiler within project
	Fly ash (ESP)		172910	0	172910	100% used for roads, leveling, backfilling, etc. as per Fly Ash Utilisation Notification 2021

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment- inhouse reuse	Disposal- outhouse	Remark
	Bag Filter Dust, scrap per etc		69164	69164	0	100% reused in sinter making/ pellet making within project
	Kiln Accretion		69164	0	69164	100% stored in land fill temporarily till reused in road sub-base
	Refractories		Variable, periodic	√ (part)	√ (part)	Reusable portion of salvaged refractories are recycled, preparation of mortar
4	BF Slag	MBF	324135	224135	100000	Will be granulated and used for PBFS cement making in own proposed cement plant or can be sold directly or after granulation as cementitious material
	Dust (Iron Ore, Coke, Sinter Fines)		54023	54023	0	100% dust will be reused in Sinter Plant/ pellet making.
5	Sinter Return Fines	Sinter plant	255960	255960	0	100% dust will be reused in Sinter Plant/ pellet making.
6	Bag Filter Dust	Coke oven plant	14700	14700	0	100% dust will be reused in Sinter Plant/ pellet making.
7.1		SMS I				
7.1.1	Bag Filter dust	Induction furnace & LRF	26874	26874	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		385448	19272	366175	100% slag will be given for metal recovery (~5% recovered & reused), ~95% converted to aggregates (special balls) and used in road making within and outside plant

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment- inhouse reuse	Disposal- outhouse	Remark
7.1.2	Bag Filter dust	LRF	18628	18628	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		121081	6054	115027	Reused in road making & filing
7.1.3	Mill Scale	Caster	18628	18628	0	100% reuse/ sale in own/ other cement plant, usable in pellet making & sinter plant*, LRF dephosphorisation process, as secondary coolant-replacement of iron ore after briquetting
7.2		SMS II				
7.2.1	Bag Filter dust	IF/ Electric Arc Furnace/ BOF	10680	10680	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		57611	0	57611	100% reused through various methods such as slag atomisation/ granulation to make Precious Slag balls (spherical, 0.1-4.5 mm) which can be used as blasting abrasive, casting sand, filter media etc; use as rail ballast, road & pavement material, filling material, cement making, brick/ ceramic tiles making, soil conditioner, tiles
7.2.2	Bag Filter dust	VD/AOD	9314	9314	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		27942	1397	26545	Reused in road making & filing
7.2.3	Mill scale	Caster	9314	9314	0	100% reused in Sinter Plant* or Pellet plant or clinker plant, also saleable

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment- inhouse reuse	Disposal- outhouse	Remark
7.2.4	Bag Filter dust	BOF	11730	11730	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		109064	0	109064	100% reused through various methods such as slag atomisation/ granulation to make Precious Slag balls (spherical, 0.1-4.5 mm) which can be used as blasting abrasive, casting sand, filter media etc; use as rail ballast, road & pavement material, filling material, cement making, brick/ ceramic tiles making, soil conditioner, tiles
7.2.5	Bag Filter dust	LF/ VD/ AOD	9314	9314	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		27942	1397	26545	Reused in road making & filing
7.2.6	Mill scale	Caster	9314	9314	0	100% reused in Sinter Plant* or Pellet plant or clinker plant, also saleable
8.0	Waste core sand	DI Pipe	256900	0	256900	Land levelling
	Iron scrap		183500	11163	172337	Reusable inhouse and sale
8.1	Reject	Rolling Mill 1 & 2	8438	8438	0	100% reused in SMS
	Mill Scale		10313	10313	0	100% reused in Sinter Plant* or clinker plant, also saleable
9	Slag (Si-Mn)	Ferro Alloy	18000	900	17100	100% sent to jigging plant for Manganese recovery (~5%), balance (95%) used as construction sand
	Bag Filter Fines (Si-Mn)		720	720	0	100% dust will be reused in Sinter Plant/ pellet plant

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment- inhouse reuse	Disposal- outhouse	Remark
	n)					t.
	Fe-Mn Slag		55200	25920	29280	47% directly reuseable for Fe-Si manufacturing in house and balance sold to other manufacturers**
	Bag Filter Fines (Fe-Mn)		9200	9200	0	100% dust will be reused in Sinter Plant*.
	Bag Filter Fines (Fe-Si)		4500	4500	0	100% sold, reusable in cupola furnace
	Slag (Fe-Si)		1238	0	1238	100% dust will be reused in Sinter Plant*.
	Slag (Fe-Cr)		42840	2142	40698	100% send for Chrome recovery (~5%) through jigging. After TCLP test on remaining material (~95%), it will be used as landfill/ base material in roads (when Cr within permissible limits), else sent to the nearest TSDF facility. Fe-Cr slag is also reusable for 100% sold, reusable for making in refractory castables in non-recovery coke oven batteries, coal-fired power boilers, industry furnaces, etc
	Bag Filter Fines (Fe-Cr)		6912	6912	0	100% dust will be reused in Sinter Plant*.
	Slag (Pig Iron)		31639	0	31639	Used for land levelling or base for road construction
	Bag Filter Fines (Pig Iron)		1260	0	1260	100% dust will be reused in Sinter Plant*.
10	Coal Ash	Producer Gas	44921	0	44921	100% used for roads, levelling, backfilling, etc. as p

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment- in house reuse	Disposal- outhouse	Remark
						er Fly Ash Utilisation Notification 2021
12	From CPP (fly ash)	AFBC/ CF BC Power	1011608	111552	900056	100% reused as per Fly Ash Utilisation Notification 2021. Used in own cement plant and rest sent to others cement making, brick making, block making, aggregate making, and road making.
	From CPP (bottom ash)		252902	0	252902	100% used for roads, leveling, backfilling, etc. as per Fly Ash Utilisation Notification 2021.
	Total		5114826	2522653	2604851	49% in house reutilization and 51% out house utilisation

Note:

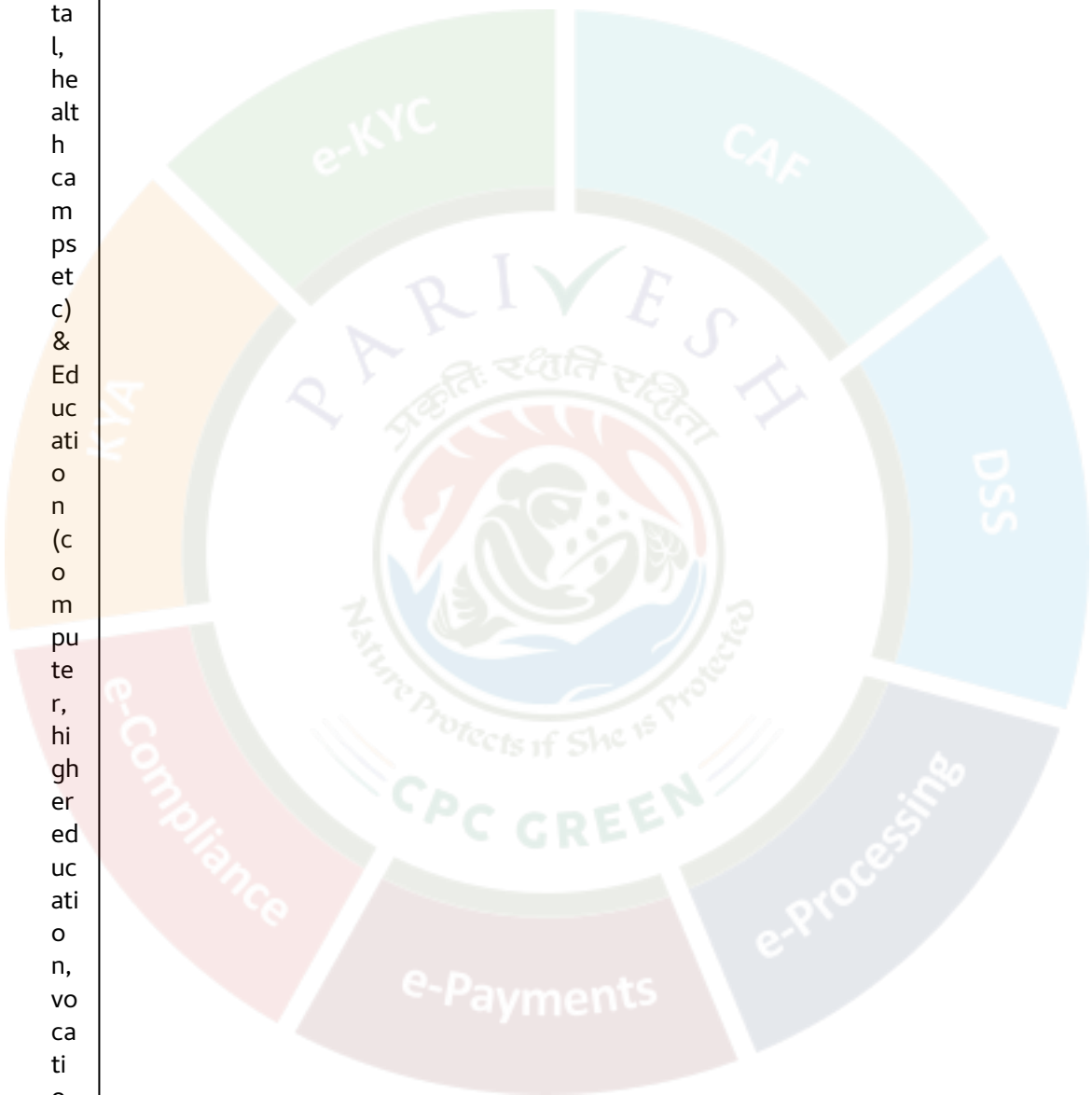
*** Not accounted in material balance of Sinter Plant since refining process may or may to be carried out & generation from Ferro Alloy shall be subject to type of ferro alloy produced**

**** Maximum waste from any type of Ferro alloy Plant has been considered**

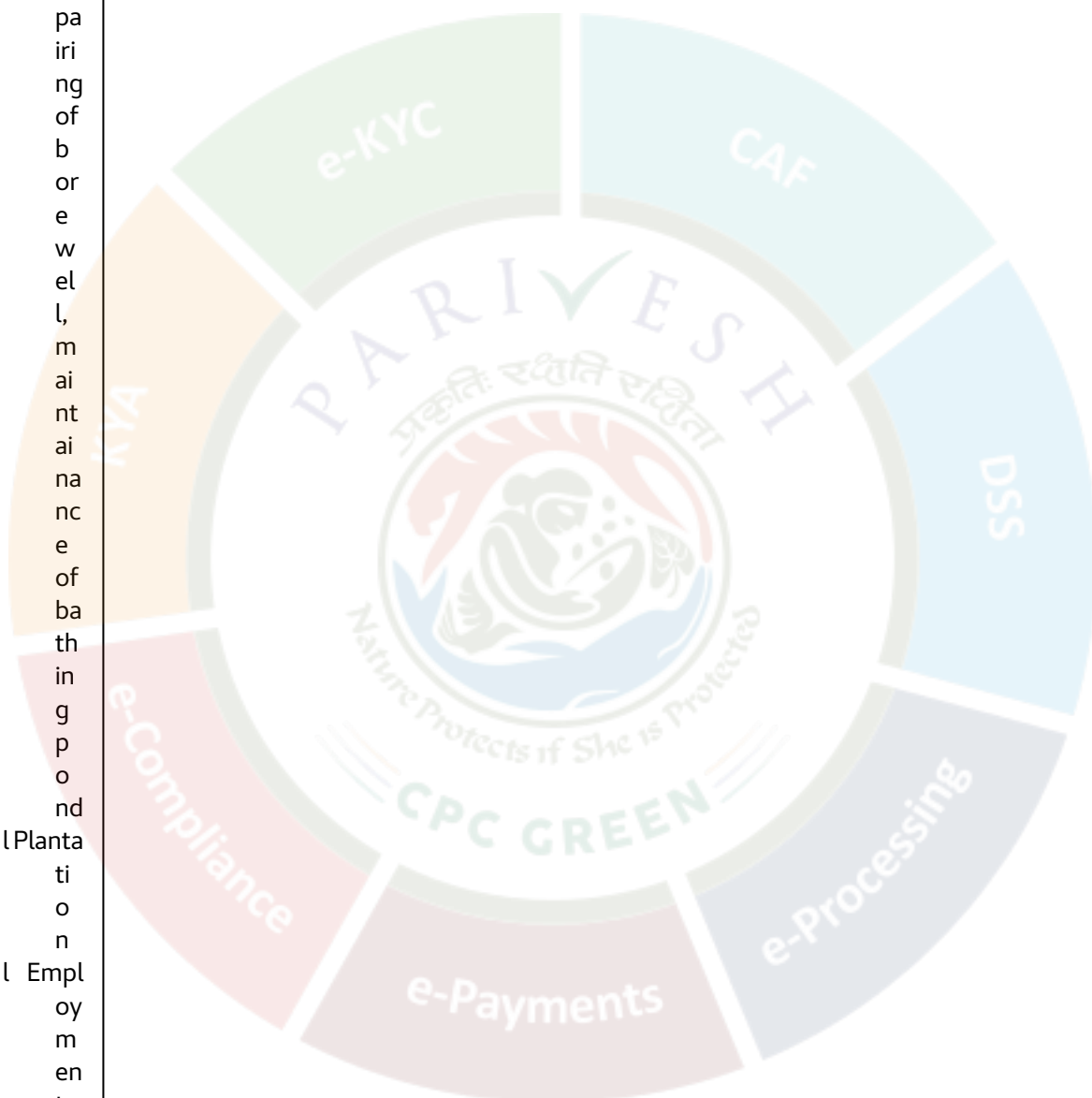
De ta il s o f a d v e r t i s e m e n t g i v e n	Adverti semen t in Hi ndi dai ly new spaper "Navb harat S ampur an" an d in En glish n ewspa per "T he Tim es of I ndia" o n 26.0 7.202 5

D a t e o f p u b l i c c o n s u l t a t i o n	28/08/ 2025	
V e n u e	Gover nment Land Mini St adium (Vrind avan S ports Groun d), Kha sra N o. 56 9/3, Vi llage A njora, Patwar i Halka No.62, Tehsil & Dist. Rajnan dgaon	
P r e s i d i n g O f f i c e r	Additio nal Col lector	

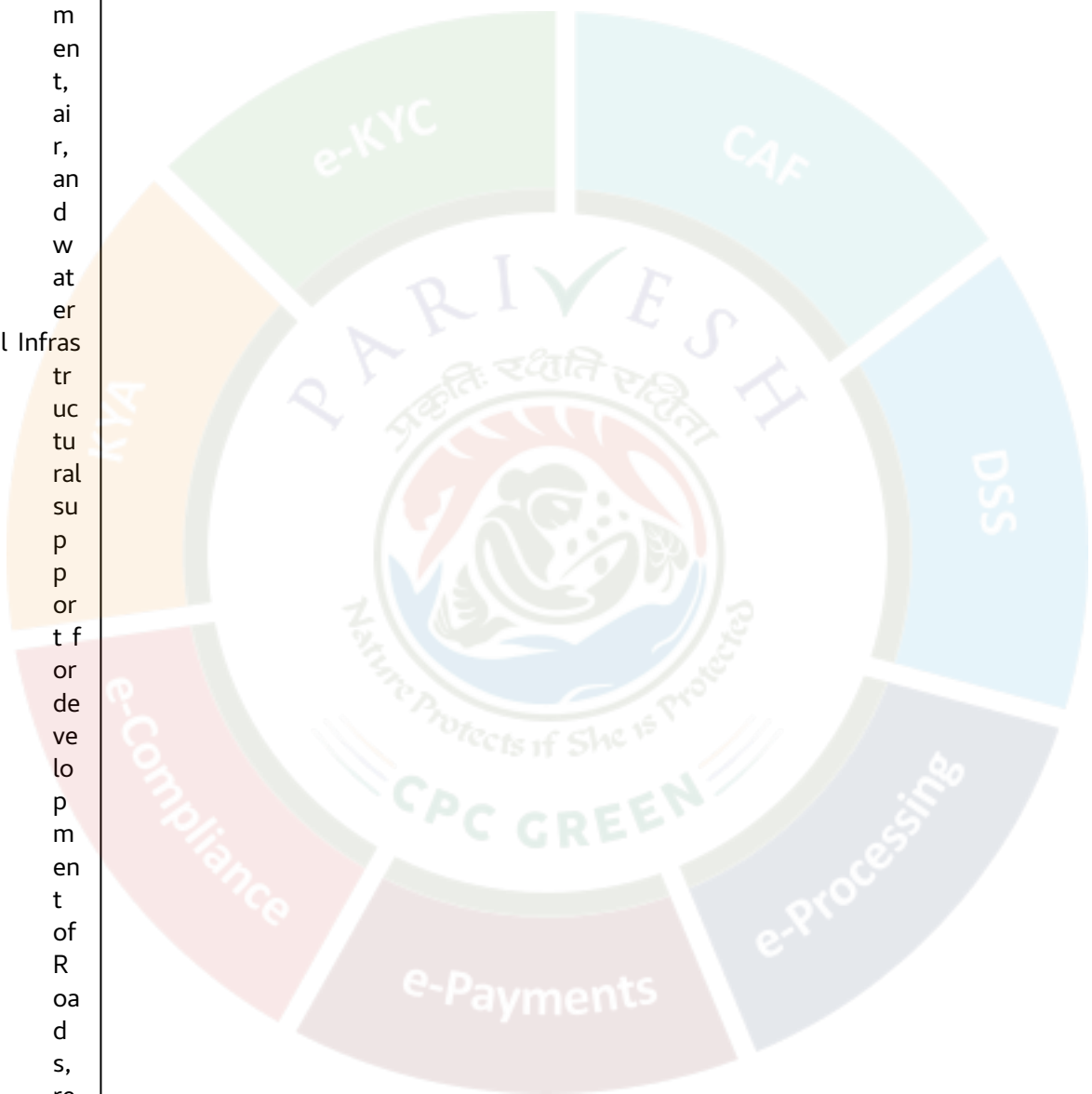
Major issues raised	Health (ambulance, hospital, health camps etc) & Education (computer, higher education, vocational training etc)	Safe dr



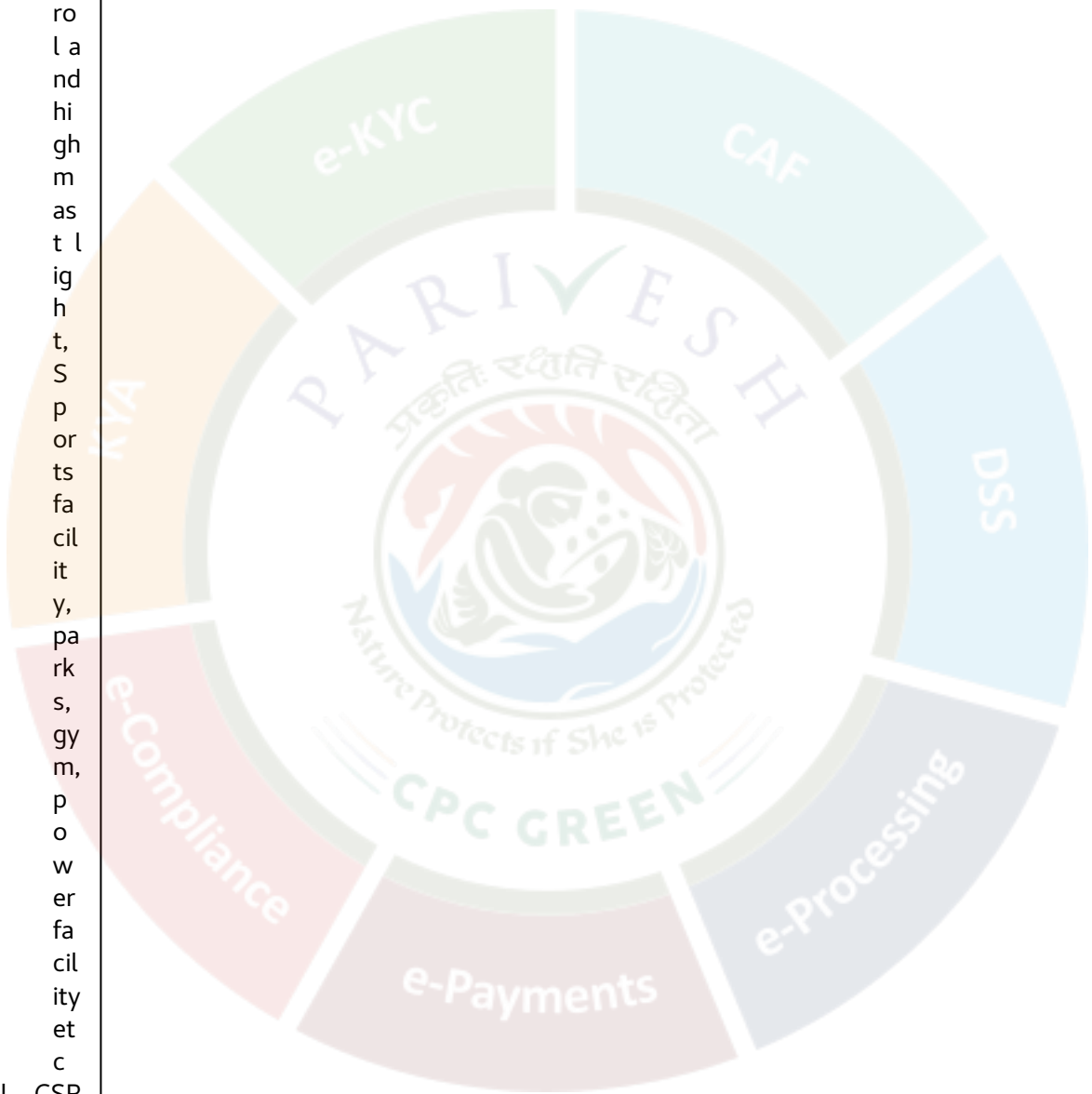
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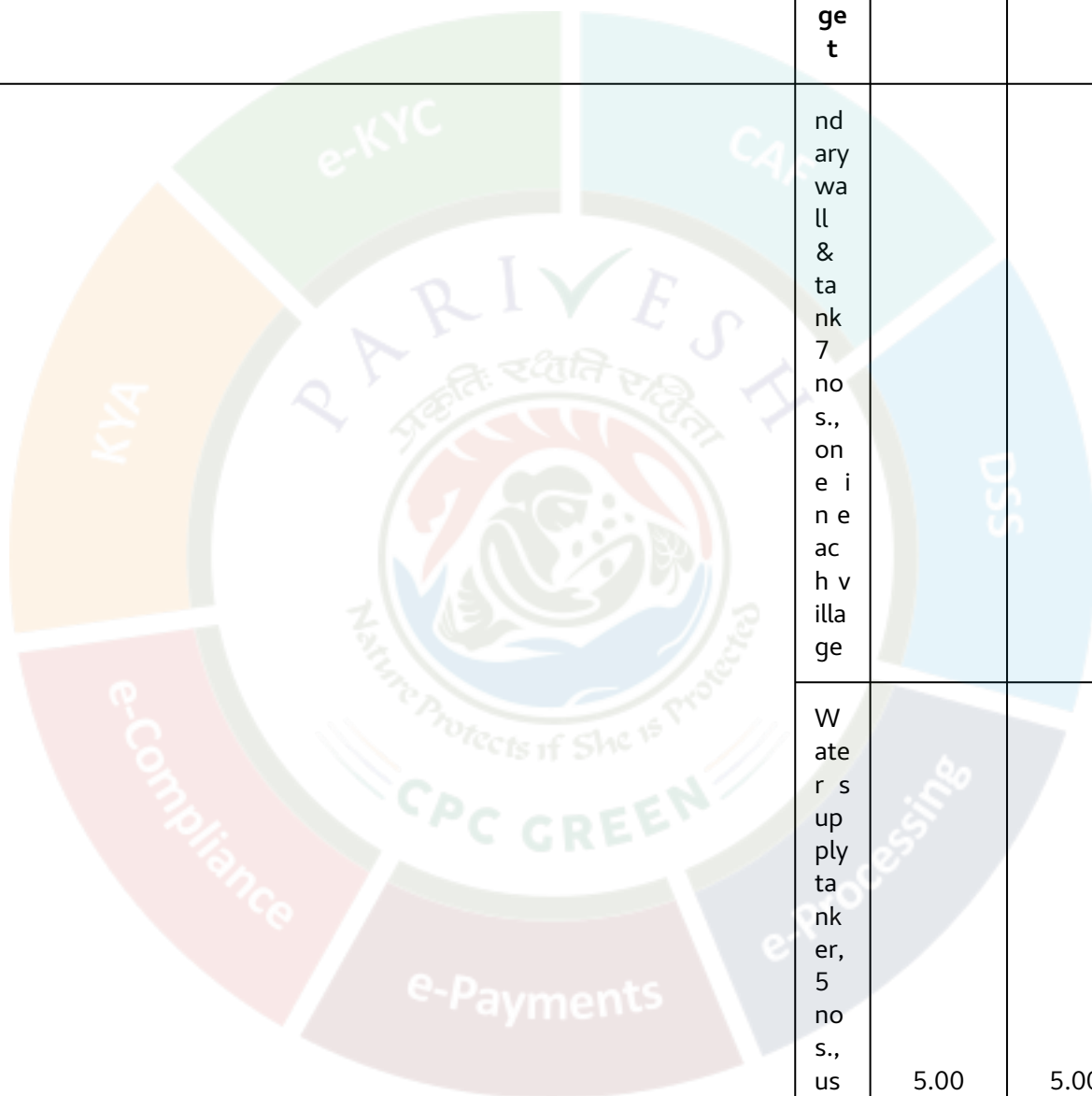
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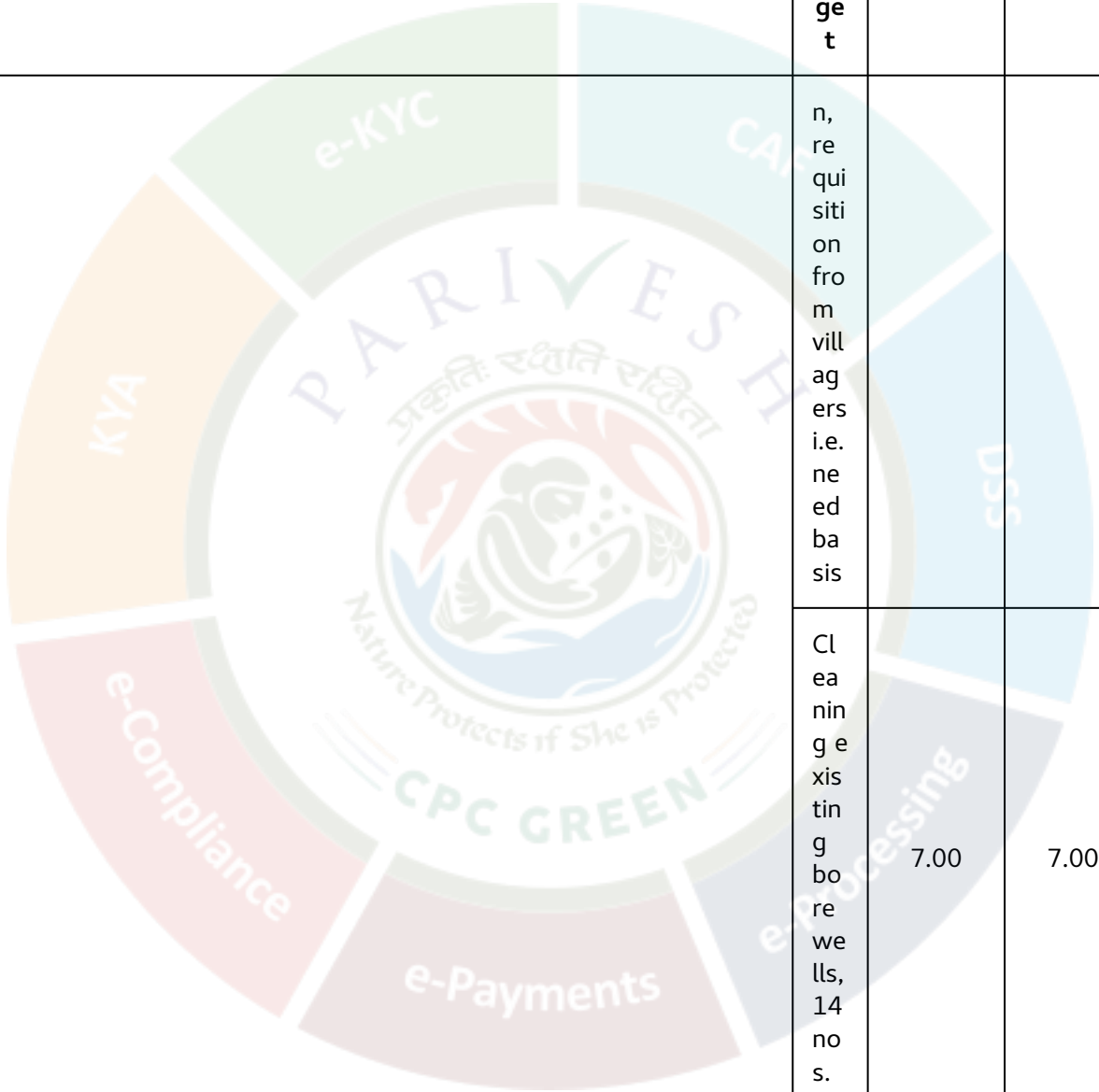


Action Plan as per OM dated 30.09.2020

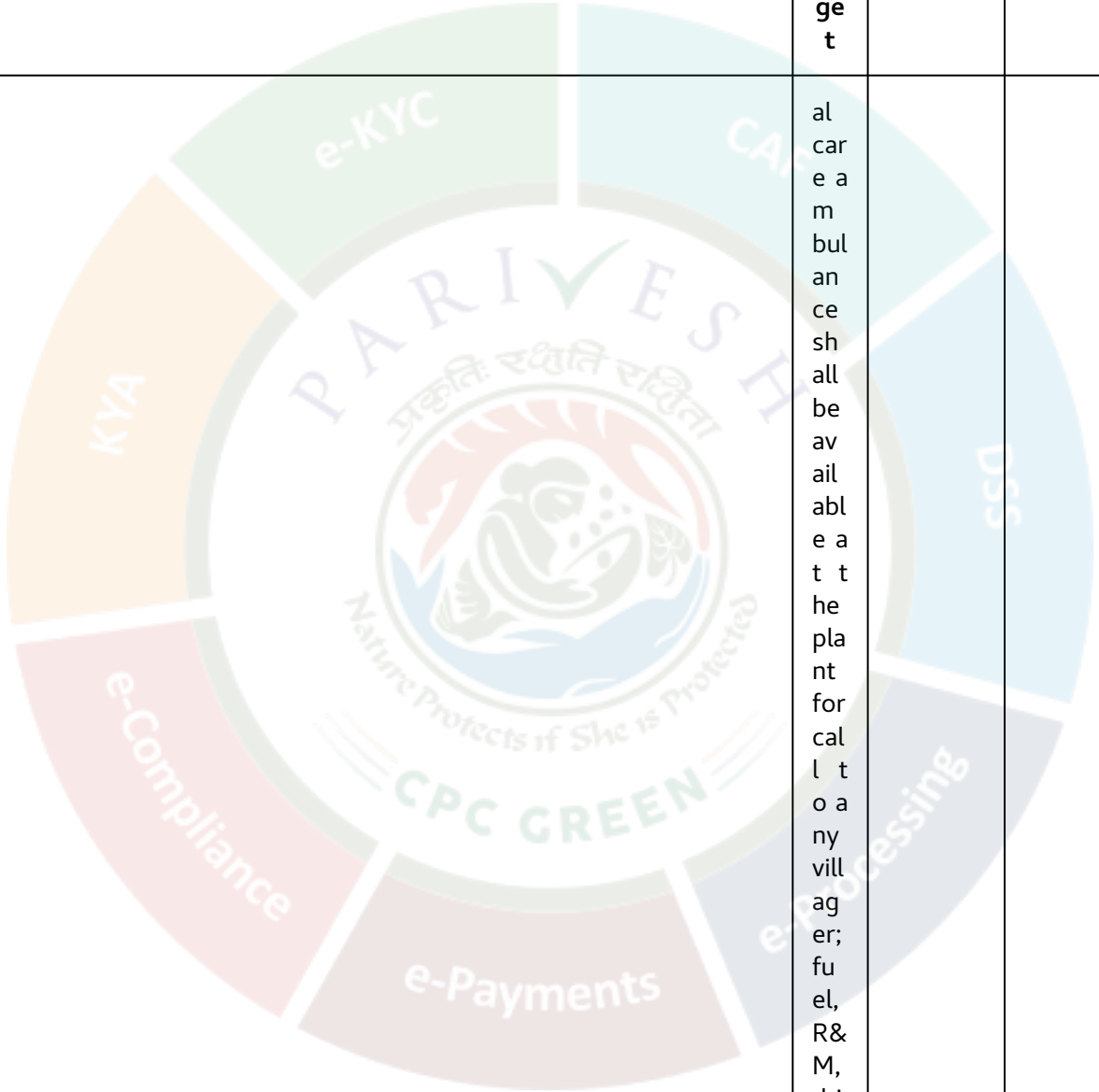
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
A.	Infrastructure creation for drinking water supply and sanitation					
	Reclamation and cleaning of village ponds	Will be done in villages Kopedih, Anjora, Margarlot, Khapri, Rasmанда,	10.00	10.00	10.00	
	Water supply, repair and cleaning of borewells	Tube well construction with bou	10.00	10.00	10.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		ndary wall & tank 7 nos., one in each village				
		Water supply tanker, 5 nos., used during festivals, dry season	5.00	5.00	5.00	



Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		n, requisition from villagers i.e. need basis				
		Cleaning existing bore wells, 14 nos.	7.00	7.00	7.00	
B.	Health					
	Health camps	Monthly camps in dif	60.00	63.00	66.15	

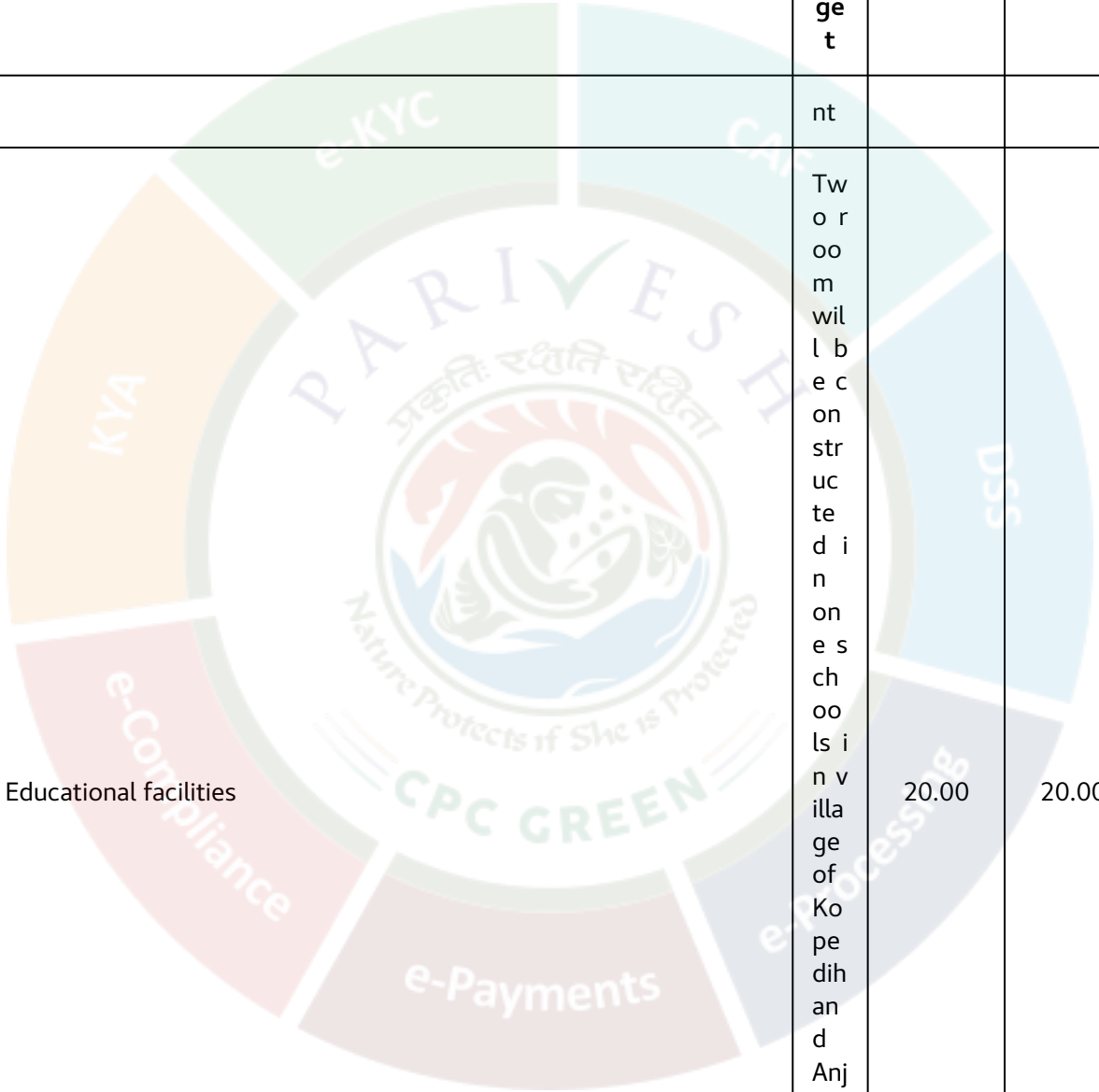
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		ferent villages covering the 7 villages within plant and 5 km around it				
		Mobi le clinic 1 no.	15.00	20.64	21.67	
	Ambulance	2 no. 24 X7 cri tic	30.00	19.80	20.79	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		 al car e a m bul an ce sh all be av ail abl e a t t he pla nt for cal l t o a ny vill ag er; fu el, R& M, dri ver & em er ge nc y s taf f s ala				

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		ry cost included				
	Pathalogy services	The pathological lab will be established in the medical centre of the company, which will be e g	50.00	26.64	27.97	

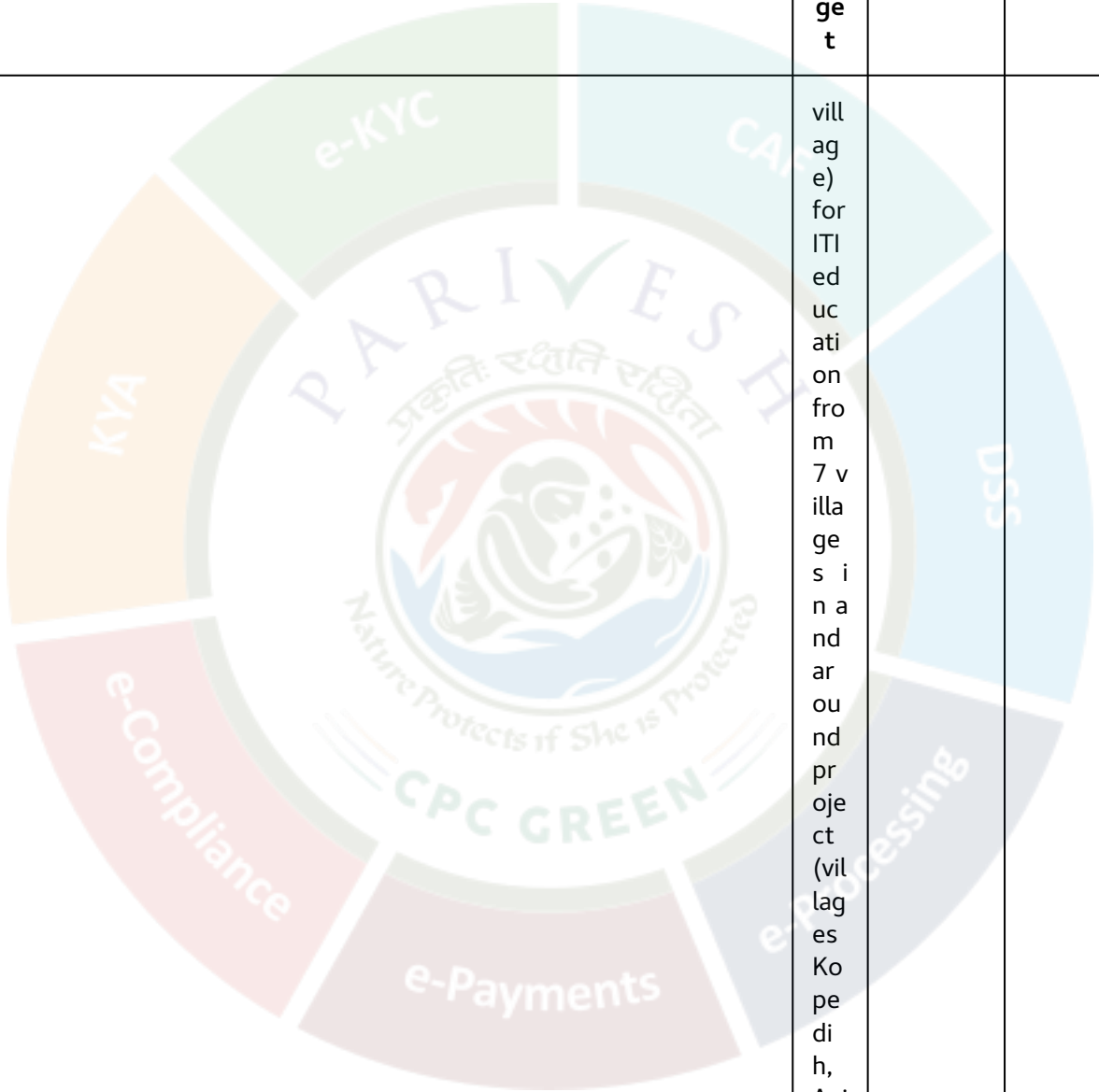
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		ive n a c c e s s t o v i l l a g e r s				
	Health Center	10 be d d e d h e a l t h c e n t r e w i t h i n f r a s t r u c t u r e , m a n p o w e r , c o n s u l t a t i o n , m e d i c i n e ,	307.00	185.34	205.27	

Sl	Point Raised by villager	Ac tio n Pl an wi th ph ysi cal tar ge t	Budget (R)			
			Year 1	Year 2	Year 3	
		etc				
C.	Education					
	Support to ITI	Support to Government ITI, Bhilai/ Durg/Rajnandagaon for renovation/addition of facility/ equipment	25.00	25.00	25.00	

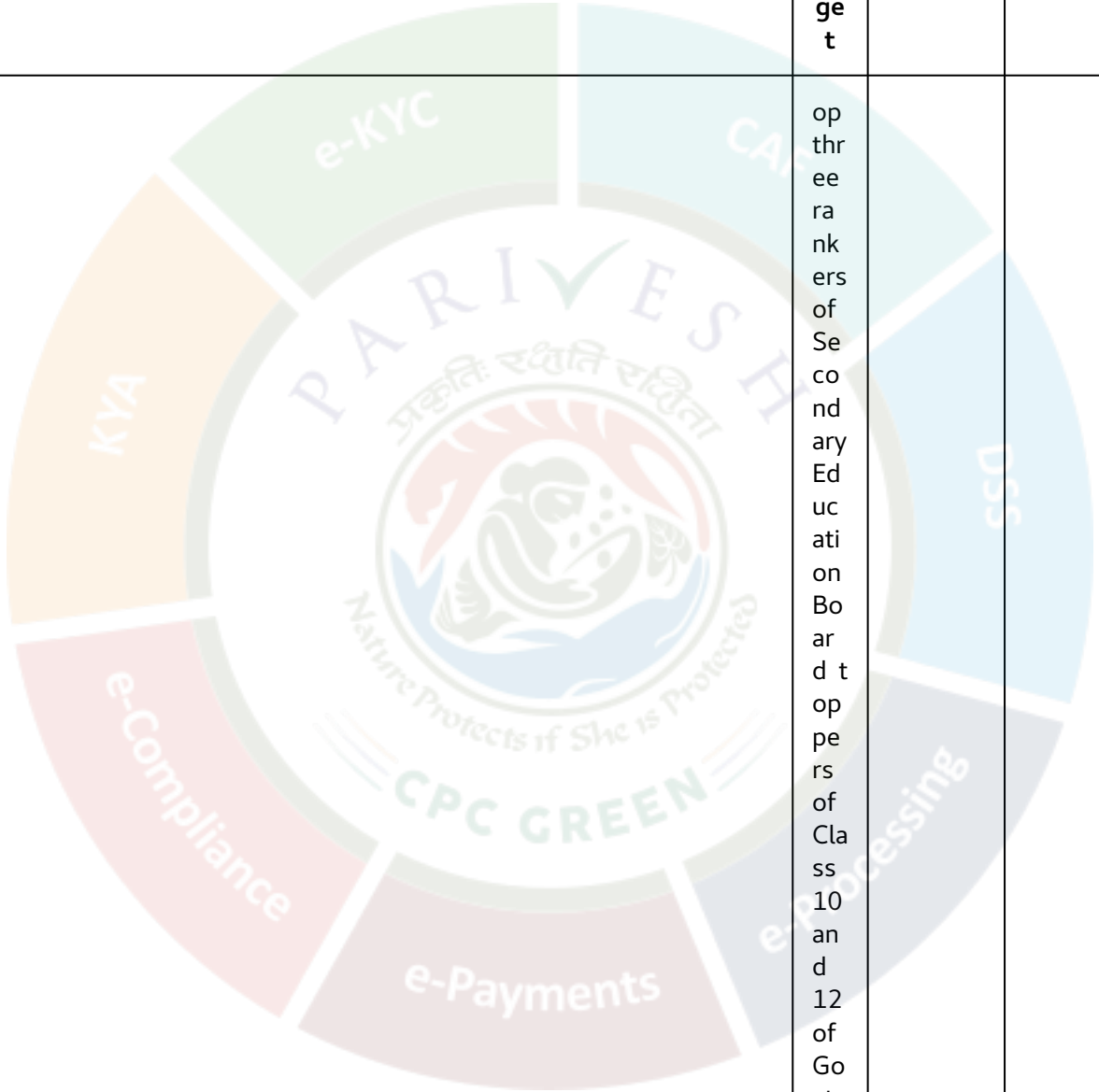
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		nt				
	 Educational facilities	Two room will be constructed in one schools in village of Kope dihand Anjora and its maintenance	20.00	20.00	2.00	

Sl	Point Raised by villager	Ac tio n Pl an wi th ph ysi cal tar ge t	Budget (R)			
			Year 1	Year 2	Year 3	
	Support to underprivileged students	Monetary support to Schools & underprivileged student s-Markets, stationary, books, etc. will be provided in	14.00	14.00	14.00	

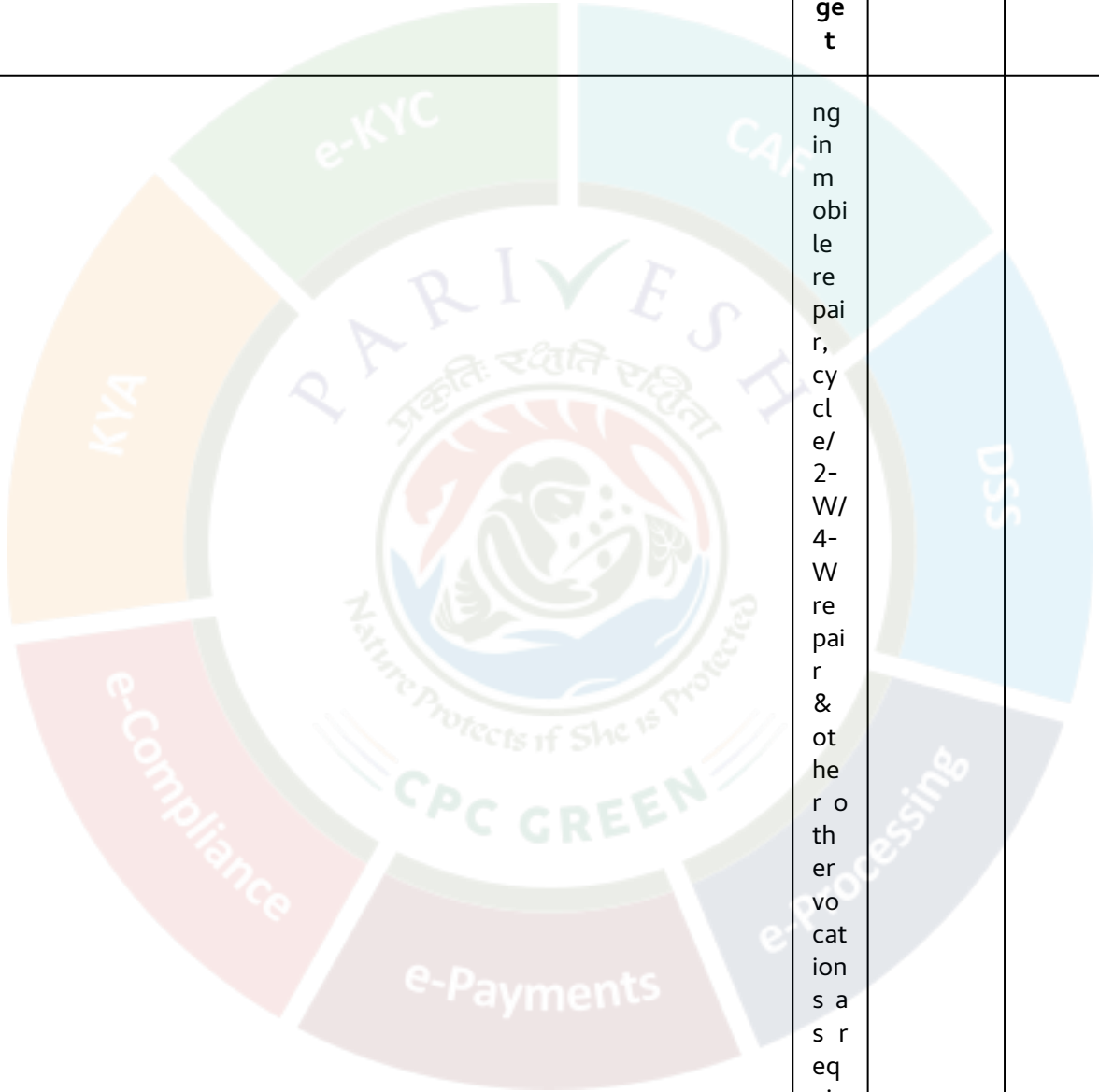
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		the schools of 7 villages and cycle 100 nos. to students per year				
	Scholarship to students	Scholarship to students and youth (15 nos.)	26.25	26.25	26.25	

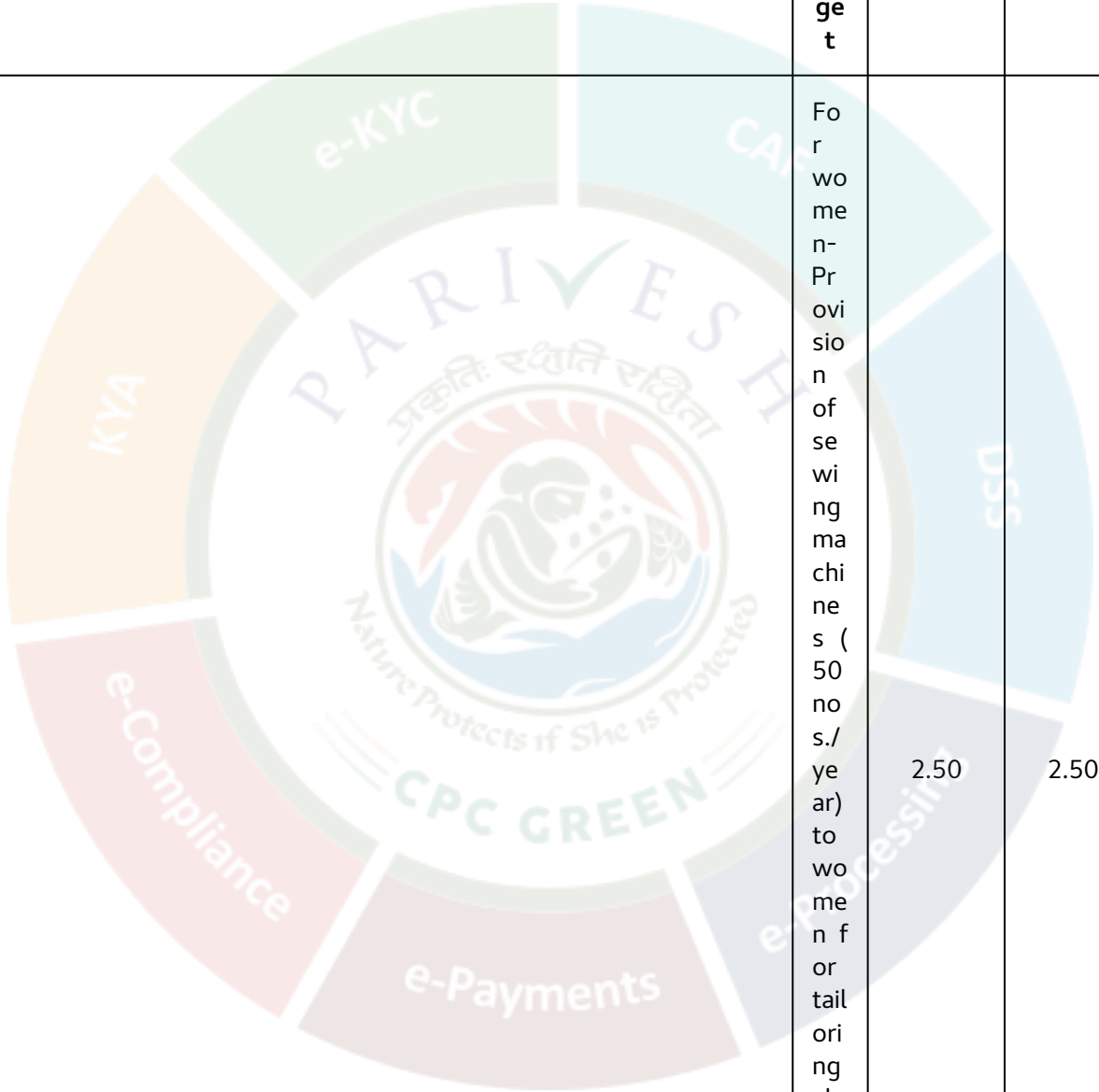
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		 villager) for ITI education from 7 villages in and around project (villages Kopendi, Anjora, Magarlot, Khapri, Jor				

Sl	Point Raised by villager	Ac tio n Pl an wi th ph ysi cal tar ge t	Budget (R)			
			Year 1	Year 2	Year 3	
		ata rai, Ma ng at a, Ra sm ad a (w it h p ref er en ce to lan d s ell er s)				
	Prizes to students	Su pp ort ing me rit ori ou s s tu de nt s- La pt op s t o t	25.20	26.46	27.78	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		 op thr ee ra nk ers of Se co nd ary Ed uc ati on Bo ar d t op pe rs of Cla ss 10 an d 12 of Go vt. Hi gh Sc ho ol of 7 v illa ge s				

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
D.	Skill development					
	Support to women, Self Help Groups	For women in Anjora and Kopedih village, 6 nos. of SHGs will be supported	21.60	22.68	23.81	
	Skill development programmes	For local youth - traini	6.25	6.25	6.25	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		 ng in mobile repair, cycle/2-W/4-W repair & other or other vocational as required by them, 25 nos./year				

Sl	Point Raised by villager	Ac tio n Pl an wi th ph ysi cal tar ge t	Budget (R)			
			Year 1	Year 2	Year 3	
		For women-Provision of sewing machines (50 nos./ year) to women for tailoring classes through Local Pancha	2.50	2.50	2.50	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)				
			Year 1	Year 2	Year 3		
		yat					
E.	Roads						
	Road construction and maitenanace	Concrete road-On need basis in 2 villages, minimum 1 km per year	200.00	200.00	200.00		
		Paving of kutcha roads, mi	50.00	50.00	50.00		

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		ni mu m 2 k m/ ye ar				
	Widening of roads	Exi sti ng ro ad wil l b e wi de ne d a nd str en gt he ne d, pr ovi de d di v ide r a nd vill ag ers wil l pl y o	10.00	10.00	100.00	

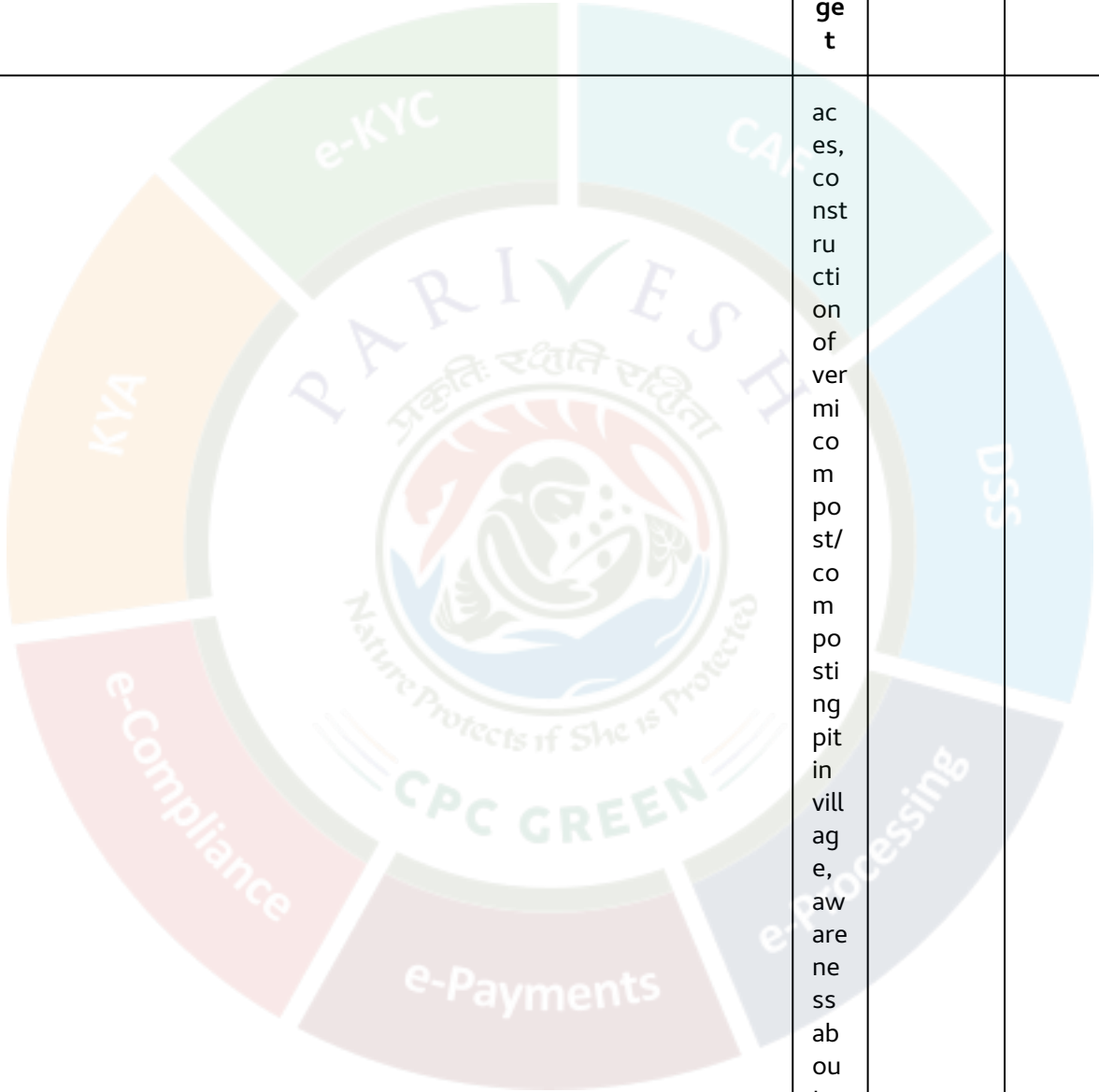
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		on one side of the road				
	Road sweeping staff	Providing for 2 nos./ shift in Anjora and Kope dih village with industrial sweeping	63.04	66.19	69.50	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		machine				
	Traffic control during operation	Traffic marsh all at main turnings & villages between plant and highway shall be provided in 3 shifts,	10.80	11.34	11.91	

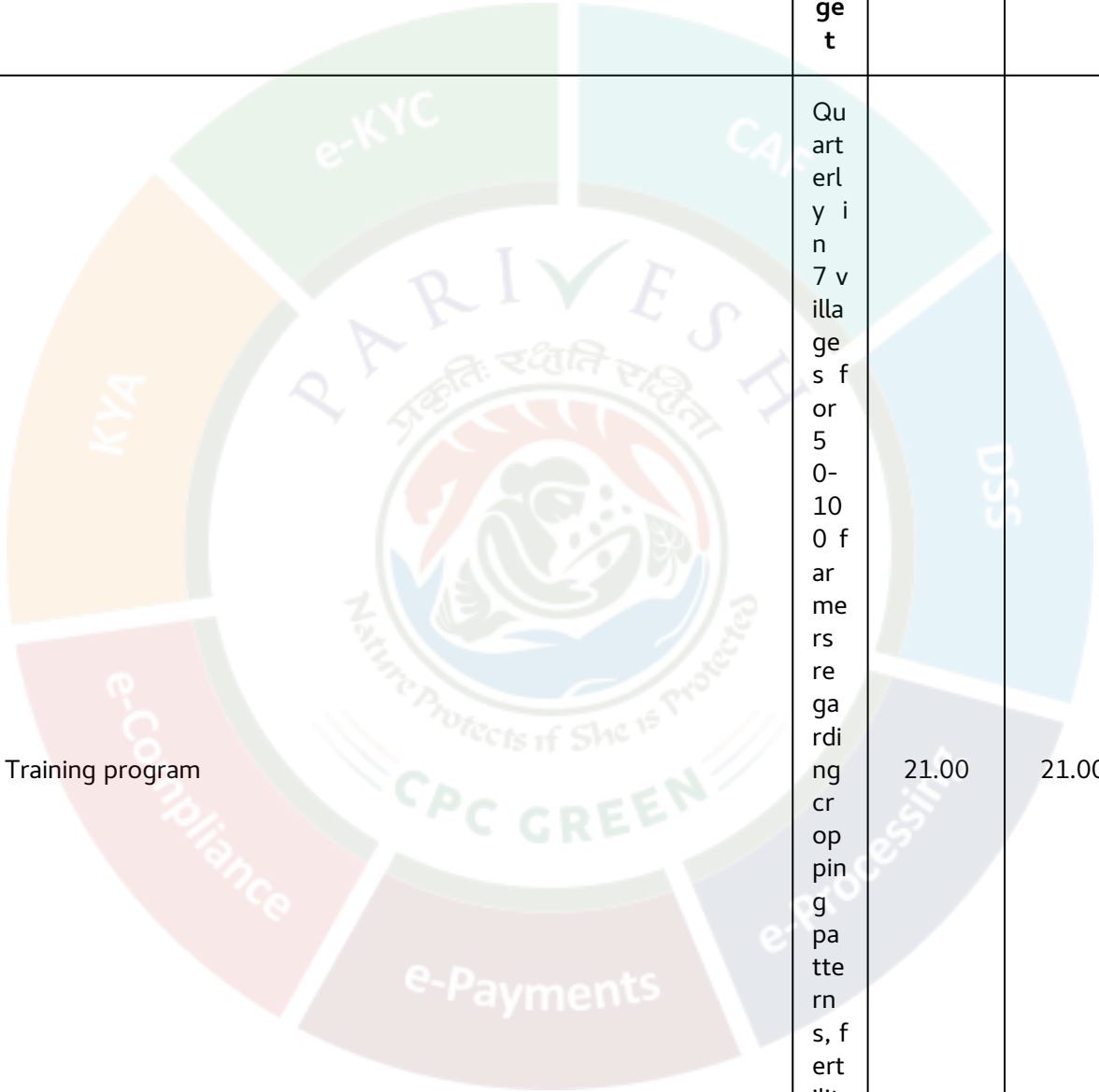
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		salary for 2 nos.				
	High Mast Light	1 no. each at 2 gates of plant & 7 villages	10.00	4.00	4.00	
F.	Cross drains					
	Drainage construction	In 7 villages, approximately 2000 m pe	70.00	70.00	70.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (R)			
			Year 1	Year 2	Year 3	
		Year				
G.	Electrification including solar power					
	Street light installation	On need basis in 7 villages, minimum 50 solar street lights per year	15.00	15.75	16.54	
	Solar panels	On rooftop of community	15.00	15.00	15.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		y buildings in 5 villages (20 KW per village)				
H.	Solid waste management facilities					
	Solid waste management facilities	In 5 villages, provision of dust bins in common sp	12.00	12.00	12.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		 aces, construction of vermi compost/composting pit in village, awareness about plastic waste, e-waste, ha				

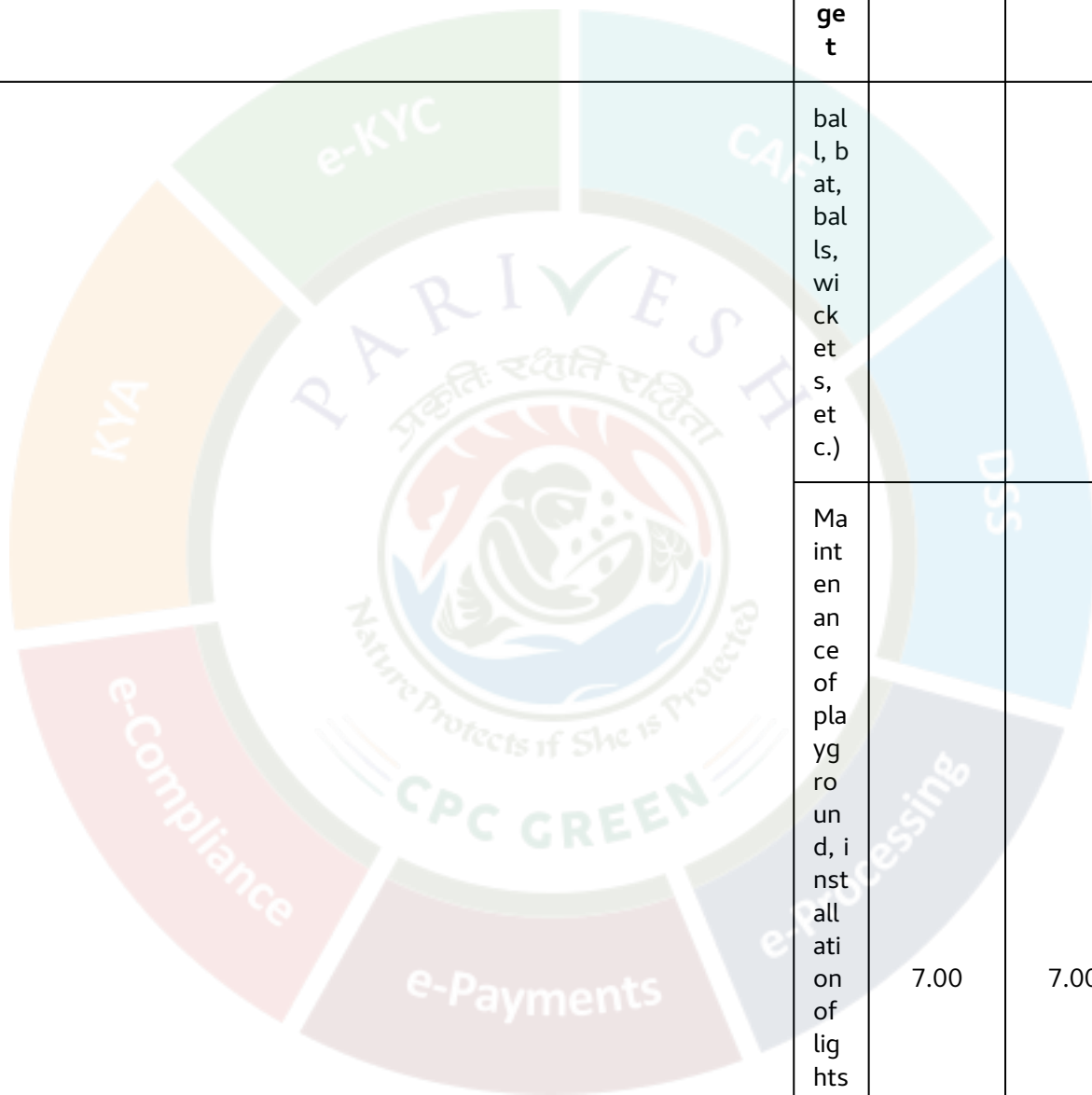
Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		zardus waste, etc				
I.	Scientific support and awareness to local farmers					
	For farmers	Provision of sprayer pump (50 nos./year) for local farmers through Local Panchayat	5.00	5.00	5.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
	 Training program	Quarterly in 7 villages for 50-100 farmers regarding cropping pattern, fertility, crop preservation, value	21.00	21.00	21.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		ue addition, etc				
J.	Rain water harvesting					
	RWH structure construction	On community buildings, schools, etc in 5 villages	10.00	10.00	10.00	
K.	Plantation in community areas					
	Green belt/plantation in villages and road side	1000 trees per year in	60.00	60.00	60.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		villages around plant and roadside along with annual incentive for survival				
L.	SPORTS, COMMUNITY FACILITIES & FESTIVALS					
	Development of sports activities	Supply of sports material (foot	3.50	3.50	3.50	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		ball, bat, balls, wickets, etc.)				
		Maintenance of playground, installation of lights in Villages Kope dihand Anjor	7.00	7.00	7.00	



Sl	Point Raised by villager	Ac tio n Pl an wi th ph ysi cal tar get	Budget (R)			
			Year 1	Year 2	Year 3	
		a				
	Construction of Park	Co nst ru cti on of Pa rk wit h op en gy m and ot he r fa cili ties (s wi ng s, be nc he se t c.- 1 no. ea ch in Ko pe	5.00	5.00	5.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		dih & Anjora				
	Local festivals	In 7 villages, for temporary infrastructure, logistics, safety, etc during festivals (Diwali, Dussehra)	42.00	42.00	42.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		eh ra/ Du rg a P uj a, Jal sa) (vil lag es Ko pe di h, Anj or a, Ma ga rlo ta, Kh ap ri, Ra sm ad a, Jor ata rai, Ma ng at a)				
	Repair and maintenance of Shitla Bhawan/ Mandir	Re pai r a	0.00	20.00	0.00	

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)				
			Year 1	Year 2	Year 3		
		nd maintenance of Shitla Bhawana/ Mandir in Kope dih village					
	Renovation of Chowk	Renovation of Chowk in Anjora village	0.00	0.00	20.00		
	Beautification of Muktidham	Beau	0.00	0.00	0.00		

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs.)			
			Year 1	Year 2	Year 3	
		tification of Muktidham in Village Kope dihand Anjora				
	TOTAL		1244.14	1118.34	1223.89	
Sl. No.	Description of Item	Existing (In Rs. Lakhs)		Proposed Total after expansion (In Rs. Lakhs)		
		Capital Cost	Recurring cost	Capital Cost	Recurring cost	
I.	Air Pollution Control / Noise Management	2965.00	77.00	20764.00	4313.04	
II.	Water Pollution Control	400.00	14.00	3470.00	213.46	
III.	Environmental Monitoring and Management	256.00	26.00	880.95	465.42	

IV.	Green Belt development	150.00	5.00	346.63	136.57
V.	Others- OHS, jeep, Solid waste management, etc.	1000.00	25.00	6388.00	1645.64
	Sub-Total	4821	148	31849.58	6774.13

Certified compliance report from Regional Office

Sl. No.	Non compliances details	Observation of RO (abridged)	Condition No.			Re-assessment by RO
			EC date	Specific	General	
1	Project Authority has not made available any supporting documents issued by the Competent Authority regarding complete conversion of total proposed land for industrial use prior to commencement of proposed project	Project Authority submitted a copies of the documents issued by the Competent Authority regarding conversion of the proposed land for industrial use.	08.05.2024	iv		It appears that the condition has been complied with.
2	Greenbelt development has not been commenced all around the Unit as stipulated	Project Authority submitted a reply along with plan of action for a period of three years regarding greenbelt development. Further, few plantations around the periphery of the Unit have already been initiated. The con	08.05.2024	v & ix		The reply of the project authority with their commitment with time-targeted implementation schedule may be considered.

Sl. No.	Non compliances details	Observation of RO (abridged)	Condition No.			Re-assessment by RO
			EC date	Specific	General	
		struction activity of the Project has been recently commenced and the same is still under progress				
3	Details are not made available regarding village adoption programme prepared and action plan for the implementation of socio-economic development of the nearby villages	Project Authority in their reply submitted a declaration regarding the details of the expenditure incurred so far under the CSR activities. Further, a copy of the action plan for the year 2026-2027 submitted to the District Collector, towards implementation of socio-economic development under village adoption programme for the village Kope di, Rajnandgaon Tehsil and District has been made available as Annexure-3 in the reply. Project Authority submitted a copy of acknowledgement received from the Office of District Collector,	08.05.2024	xi & xii	xi	Ministry may consider the submissions of the Project Authority.

Sl. No.	Non compliances details	Observation of RO (abridged)	Condition No.			Re-assessment by RO																
			EC date	Specific	General																	
		Rajnandgaon District																				
4	Project Authority has not uploaded the details regarding environment related expenditure, expenditure related to action plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company website		08.05.2024	Project Authority vide letter dated 24/02/2026 submitted additional reply/ATR, wherein submitted expenditure related to action plan on the Public Hearing commitments based on the Public Hearing held on 16/12/2022 and environment related expenditure and other commitments made in the EIA/EMP as Table 1 and Table 2. Further, Project Authority uploaded the same on the website of the Company https://kalyaniispat.com/environmental-compliance/ In the said reply Project Authority submitted the details regarding the expenditure already incurred and also proposed for the year 2026-2027.	xi	In view this, the condition may be treated as being complied.																
Sl. No.	OM description	Compliance status																				
1	Land: Stage of the land acquisition process as per Land MoEF&CC O. M. dated 7/10/2014	The land acquisition status is as follows: <table><tr><th>Description</th><th>Under possession, in ha</th><th>Under process, in ha</th><th>Total, in ha</th></tr><tr><td>Existing</td><td>38.68</td><td>0</td><td>38.68</td></tr><tr><td>Proposed</td><td>40.12</td><td>5.221</td><td>45.341</td></tr><tr><td>Total</td><td>78.80</td><td>5.221</td><td>84.021</td></tr></table> The existing 38.680 Ha land is under the possession of the company. Out of balance 45.341 ha, 40.12 ha is under possession and 5.221 ha is under process. 93.8% of total land already in possession.					Description	Under possession, in ha	Under process, in ha	Total, in ha	Existing	38.68	0	38.68	Proposed	40.12	5.221	45.341	Total	78.80	5.221	84.021
Description	Under possession, in ha	Under process, in ha	Total, in ha																			
Existing	38.68	0	38.68																			
Proposed	40.12	5.221	45.341																			
Total	78.80	5.221	84.021																			
2	HFL: HFL of river as per MoEF &CC Office Memorandum dated 14/02/2022	The project site is not located in the vicinity of the river. The nearest river is Seonath River at a distance of 3.4 km. The Office of Executive Engineer, Water Resources Division, /W/Rajnandgaon has issued a letter no. 577/W/2025 dated 24.02.2025 stating that the industry is not in the flood affected area of Shivnath River and there has been no flood in the last 20-25 years around the industrial site. The department has no objection in this regard. (Copy give																				

Sl. No.	OM description	Compliance status
		n in Annexure XXVII of EIA (January 2026, UID No. 202601002)).
3	Public Hearing: A action plan to address the issues raised during public consultation MoEF & CC O.M. dated 30/09/2020	Public hearing was held on 28.08.2025, an Action plan has been prepared and given in Table 7.14, Chapter 7 of EIA (January 2026, UID No. 202601002) . The detailed documentation of the public hearing along with the English translation of proceedings followed by English Translation of all written submissions received has been given in Annexure XXXIV of EIA (January 2026, UID No. 202601002) .
4	ESZ: Project site if located within notified Eco-Sensitive Zone, as per MoEF & CC Office Memorandum dated 8/8/2019.	Not applicable as no National Park/Sanctuary is located within 10 km radius of plant.
5	Certified Compliance Report: A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022	Certified Compliance Report (CCR) received from MoEF&CC's Regional Office at Raipur, Chhattisgarh vide letter no. F.No. IRO-RPR/ENV/IND/03/2025/121 dated 22.12.2025 and has been enclosed in Annexure XXIX . The Action Taken Report (ATR) has been given in Annexure XXX of EIA (January 2026, UID No. 202601002) .
6	CTO: Compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022.	Since the plant has not completed construction, no CTO has been obtained. Hence, not applicable.
7	Critically and Severely Polluted Areas: Detailed a	Project does not fall in any critically or severely polluted area. The Durg - Bhilai area polluted is present within 10 km of the project, but outside 5 km and therefore does not fall under General condition (ii) if the EIA

Sl. No.	OM description	Compliance status
	ction plan to be submitted in the EIA/EMP Report as per MoEF & CC O.M. No. 22- 23/ 2028-IA.III dated 31/10/2019 and MoEF & CC O.M. No.22-23/2028-IA.III dated 05/07/ 2022	Notification 2006 & its amendments till date. It is neither critically polluted nor severely polluted as per the last available list in NGT order dated 14.11. 2019 in Original Application No. 1038/2018, hence, no action plan is available on CPCB website as on 20.05.2025.
8	Corporate Environment Responsibility: Time bound action plan as per the MoEF & CC Office Memorandum dated 30/09/2020 for community development activities.	Public hearing was held on 28.08.2025, an Action plan has been prepared and given in Table 7.14, Chapter 7 of EIA (January 2026, UID No. 202601002).
9	EIA Report preparation: The instructions for the proponents and instructions for the consultants issued by MoEF vide O. M. No. J-11013/41/2006-IA.II(I) dated 4th August. 2009, which are available on the website of this Ministry, should also be followed.	Complied. EIA Report has been prepared as per OM
10	Compliance statement to the criteria specified under 'Clause -9, Chapter 3 - Criteria for establishment of industrial plant' of the G.S.R 85(E) dated 30th January, 2025	

Sl. No.	OM description	Compliance status
(1)	Restrictions on establishing an industrial unit at a location may be imposed taking into account the technological and scientific developments that have taken place in industrial planning and manufacturing processes in order to protect the sensitive areas, such as national parks, sanctuaries, wetlands and archaeological monuments.	Duly Noted.
(2)	The industrial unit shall comply with respective criteria fixed by the Central Government or the State Government or the Union territory Administration, as the case may be	Duly noted for compliance
(3)	While establishing an industrial plant, the following minimum distance shall be maintained, namely	As below:
(a)	from the nearest boundary of surface water body (flood plain/ HFL/ Red line) as per the revenue records in case of industrial unit of- (i) red category, beyond five hundred meters; (ii) orange category	l This is a red category industry. l The Office of Executive Engineer, Water Resources Division, /W/Rajnandgaon has issued a letter no. 577/W/2025 dated 24.02.2025 stating that the industry is not in the flood affected area of Shivnath River and there has been no flood in the last 20-25 years around the industrial site. The department has no objection in this regard. (Copy given in Annexure XX VII of EIA (January 2026, UID No. 202601002)).

Sl. No.	OM description	Compliance status
	ry, (A) with effluent generation, beyond seventy-five meters; (B) without effluent generation, beyond thirty meters; (iii) green category, beyond thirty meters;	
(b)	from the settlement, educational institute, worship place, archaeological monuments, national park, reserve forest, heritage site, in case of industrial unit of - (i) red category, beyond five hundred meters; (ii) orange category, beyond two hundred meters; (iii) green category, beyond one hundred meters.	l This is a red category industry. l No Settlements are there within 500 m. Nearest settlements is at Kopedih (700 m, S) l Educational institute- Nil within 500 m l Worship places- Nil within 500 m l Archaeological monuments - Nil within 500 m l National park - nil in 10 km radius l Reserve forest - Nil within 500 m. Nearest 3.4 km (R.F. near Mangata) l Heritage site - Nil within 500 m
(c)	The State Board shall ensure that other laws, rules, and regulations, and notifications are complied with by the industrial plant.	CTE & CTO will be obtained from CECB for the expansion plant & complied to. For the existing plant CTE has been obtained.
(d)	The natural or storm drain passing through the location of industrial unit shall not be di	The seasonal drain shall be conserved in the original form. This will ensure free flow of rainwater from its natural catchment to downstream. The Water Resources Department has granted NOC for culvert construction vide letter no. 1903/kary/2025 dated 20.06.202

Sl. No.	OM description	Compliance status
	sturbed.	5, copy of which is given in Annexure XXVIII of EIA (January 2026, UID No. 202601002).

Written submission by the PP:

Point No 1 : Mitigation plan for Sensitive receptors to be prepared for all receptors within 2 km radius in addition to the nearest receptors submitted in Table 4.24 of EIA.

Reply: Mitigation plan for Sensitive receptors has been prepared for all receptors within 2 km radius is submitted.

Point No 2: Review the budget for the execution of the Action Plan for compliance of points raised by public during public hearing conducted on 28.08.2025

Reply: The budget for the execution of the Action Plan for compliance of points raised by public during public hearing conducted on 28.08.2025 has been reviewed and the budget allocated in EIA of Rs. 15.51 Crores has been enhanced to Rs. 59.00 crores as updated in relevant para above.

Point No 3: Review the EMP budget, which appears to be on lower side

Reply: The budget for the Environment Management Plan (EMP) has been reviewed and the budget allocated in EIA of Rs. 71.42 Crores capital & 48.07 crores recurring has been enhanced to Rs. 318.5 crores capital and Rs. 67.74 crores/annum recurring cost. The heading wise break up of the same is updated in relevant para above.

Point No 4: Undertaking on widening of road from plant to Joratarai

Reply: The company confirms that it will undertake widening of the existing 4 m road from the plant gate to Joratarai, over a length of 4.4 km at a budget of Rs. 8.8 crores.

Point No 5: Affidavit w.r.t. land involved in the project

Reply: The land acquisition status is as follows:

Description	Under possession in ha	Under process in ha	Total in ha
Existing	38.68	0	38.68
Proposed	39.78	5.561	45.341
Total	78.46	5.561	84.021

PP has received a comfort letter from the Gram Panchayat, Anjora issued on behalf of the land owners covering an area of 5.221 ha, and a consent letter from Mr Virendra Kumar for an area of 0.320 ha. In addition to this, a NOC has been obtained from the Collector, Rajnandgaon, CG for an area of 0.02 ha. Thus, for total 5.561 ha land which was shown as "Under Process", consent letter/NOC has been obtained in compliance to the MOEF&CC's OM no. F. No. 22-76/2014-IA-III dated 20.02.2025. Copy of comfort letter and NOC letter is submitted.

The affidavit regarding 78.46 Ha land owned by the Company has been submitted.

Point No 6: Compliance status of the previous public hearing held on 16.12.2022 for EC dated 08.05.2024

Reply: The compliance status of previous year and action plan for 2026-27 is submitted.

3.2.3. Deliberations by the committee in previous meetings

N/A

3.2.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

1. The instant proposal is for expansion of integrated Steel Plant from 0.4785 MTPA to 0.9285 MTPA finished steel products (0.466 MTPA to 2.012 MTPA crude steel) and area expansion from 38.68 Ha to 84.021 Ha.

2. The existing project was accorded environmental clearance EC vide Ir.no. IA-J-11011/1172/2007-IA-II(IND-I), dated 08.05.2024 for greenfield project of Sponge Iron 660000 TPA; MS Billets 465696 TPA; Rolled Steel Products through Hot Charging & Reheating Furnace 478500 TPA; Iron Ore Pellets 1.2 MTPA; SAF to produce SiMn 36000 TPA and/or FeMn 46000 TPA and/or FeSi 22,500 TPA and/or Pig iron 63000 TPA; Captive Power of 75MW (50MW thru WHRB & 25MW thru CFBC); Pipe Mill 155100 TPA; Galvanized Mill 155100 TPA and Fly Ash Bricks 41500 TPA. CTE was taken vide letter no. 5666/TS/CECB/2024 dated 24/09/2024 valid till 23/08/2029 but no construction/ development started. Hence, Consent to Operate has not been obtained.
3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is a brownfield proposal. Accordingly, CECB furnished its comments and environment safeguards vide its letter dated 12.05.2026. The EAC apprised the proposal taking into consideration the comment and environment safeguards suggested by SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nullahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The project proponent submitted that the total land requirement for the project is 84.021 ha, comprising 82.986 ha of private land and 1.035 ha of government land. Out of this, 38.680 ha is existing land and an additional 45.341 ha has been proposed for expansion. The land use of the project site includes industrial and agricultural land, with no forest land involved. It was further reported that 38.680 ha of existing land is already under possession of the company, and out of the additional land requirement, 40.12 ha has been acquired, while 5.561 ha is under process. The PP also submitted that they have obtained a comfort letter from the Gram Panchayat for 5.221 ha, along with consent letters from landowners (0.320 ha), and a No Objection Certificate (NOC) from the Collector for the remaining land (0.02 ha) under process. An affidavit confirming ownership/possession of 78.46 ha of land has also been submitted by the company. The Committee opined that the PP shall complete acquisition of the remaining land in a time-bound manner and ensure that all requisite statutory permissions, including land conversion wherever applicable, are obtained.
9. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Kopedih Village is located at about 0.7 km in the southwest direction, along with other nearby habitations. Educational institutions such as Primary School, Magarlota are located at about 1.27 km in the west direction. In addition, several healthcare facilities including Central India Institute of Mental Health and Neuro Sciences (~1.47 km, S), Primary Health Center Mangata (~3.39 km, NNW), and other hospitals are present within the study area, along with other sensitive areas within the study area of the project site. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.

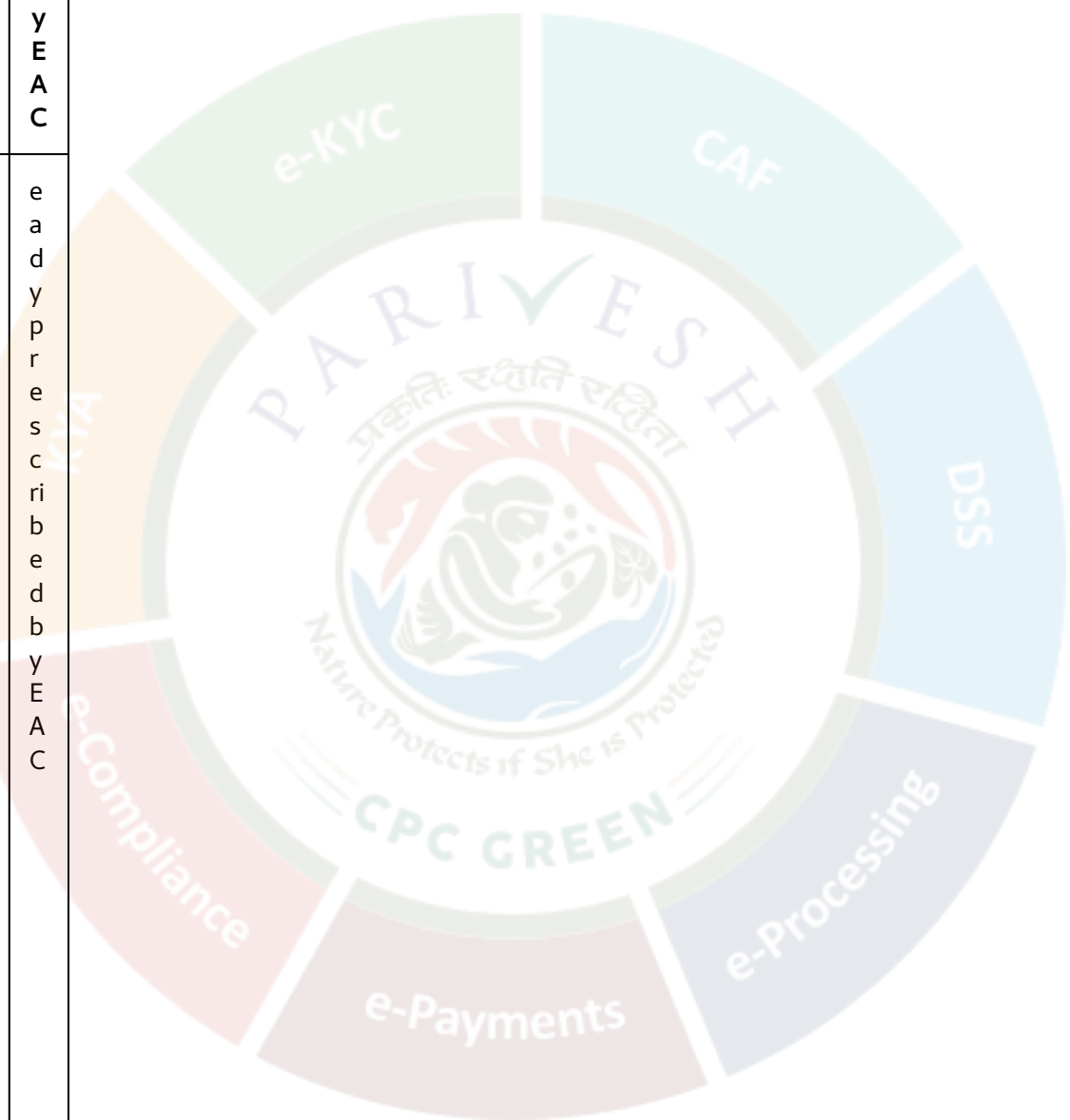
10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
11. The Committee noted the submission of the project proponent regarding clearance of 107 trees, including transplantation of 45 trees over an area of 0.15 ha. It was further noted that the tree cutting/felling permission has been obtained from the Divisional Office (Revenue) vide letter no. 303 dated 24.02.2026. The Committee emphasized that tree felling shall be limited to bare minimum and in consultation and supervision of State Forest Department.
12. A seasonal minor drain and a branch canal are located within the project area, Khapri Nala at about 0.1 km (N), Raja Talab at about 0.5 km (S), a water body near Kopedih at about 1.2 km (SW). PP reported that existing nalas will not be disturbed and the storm water drainage system of the plant will be constructed along the internal roads of the plant. The Water Resources Department has granted NOC for culvert construction vide letter no. 1903/Work/2025 dated 26.06.2025. PP further reported that the project site is not located in the vicinity of the river. The nearest river is Seonath River at a distance of 3.4 km. The Office of Executive Engineer, Water Resources Division W/ Rajnandgaon has issued a letter no. 577/W/2025 dated 24.02.2025 stating that the industry is not in the flood affected area of Shivnath River and there has been no flood in the last 20-25 years around the industrial site. The department has no objection in this regard. Further, there are other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures.
13. Existing Water requirement is 4400 m³/day (183.3 KLH), which will be obtained from the Shivnath (a.k.a. Seonath) River, treated waste water and rain water harvesting pond and ground water. The water requirement for the proposed project is estimated as 37,417 m³/day (1592 m³/hr), out of which 35,501 m³/day (1512 m³/hr) of fresh water requirement will be obtained from the Shivnath (a.k.a. Seonath) River, rain water harvesting and ground water while the remaining requirement of 1,916 m³/day will be met from the recycled water. The EAC opined that the PP shall secure the required approval from the appropriate authority.
14. It is reported that Schedule I species is present within Buffer zone which has 12 species, namely. Indian Wolf (*Canis lupus*), Jungle cat (*Felis chaus*), Grey mongoose (*Urva edwardsii*), Indian fox (*Vulpes bengalensis*), Pangolin (*Manis Crassicaudata*), Indian cobra (*Naja naja*), Rat Snake (*Ptyas mucosa*), Russel's Viper (*Daboia russelii*), Bengal Monitor (*Varanus bengalensis*), Python (*Python molurus*), Common barn owl (*Tyto alba*) and Indian Peafowl (*Pavo cristatus*). The Wildlife Conservation and Management Plan has been prepared and the same is approved by PCCF (Wildlife and biodiversity conservation)-cum-CWLW vide letter No. 756/153 dated 04.07.2025. The EAC opined that the recommendations of the approved plan shall be ensured to be strictly implemented in coordination with the State Forest Department.
15. The Committee deliberated upon the submission made by the project proponent regarding widening of the existing 4 m road to 10 m along with the avenue plantation on both the side from the plant gate to Joratarai, over a length of 4.4 km at a budget of Rs. 8.8 crores. The EAC opined that the same shall be completed within a defined timeframe in consultation with the State Authorities.
16. The EAC deliberated on installation of Dry Coke Quenching (CDQ) system and, considering the technical feasibility and operational aspects of the project, opined that a Modified Wet Quenching system may be adopted. The Committee further recommended that the system shall be designed with appropriate pollution control and waste heat recovery measures to improve energy efficiency and minimize environmental impacts from coke quenching operations.
17. The Committee deliberated on the compliance status of the previous public hearing held on 16.12.2022 for EC dated 08.05.2024 and found it satisfactory. The Committee also deliberated on the public hearing issues, and the socio-economic Development plan, with allocation of Rs. 59 crores for implementation of the commitments made during Public Hearing and found it satisfactory.
18. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or

other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

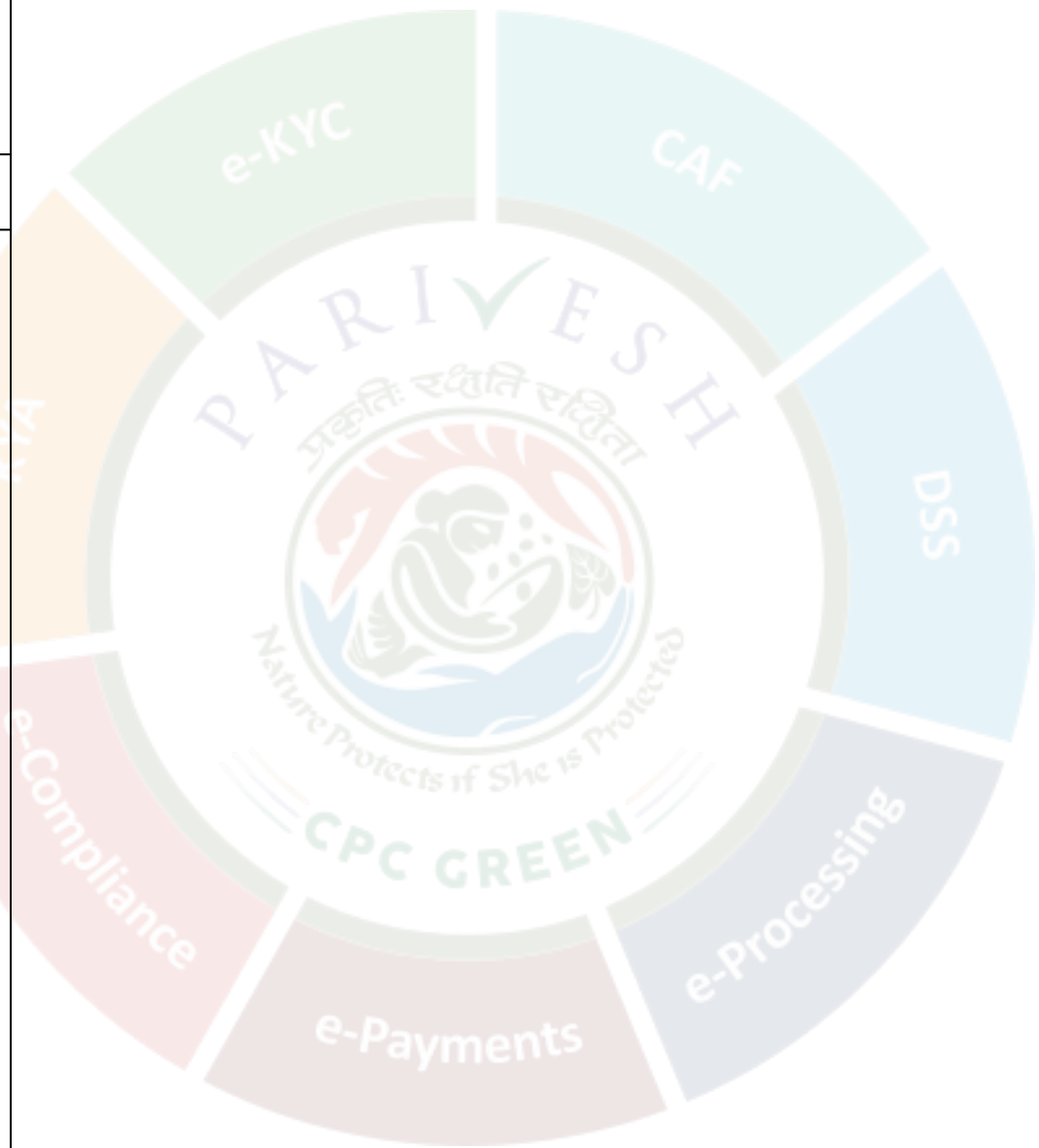
19. The PP reported that existing green belt was to be developed in 13.15 ha area which is about 34% of the total project area of 38.68 ha with total sapling of 32875 Trees. Proposed greenbelt will be developed in 14.58 ha which is about 32.15% of the total project area. Thus total of 27.73 ha area (33% of total project area) will be developed as greenbelt. Total no. of 69325 saplings will be planted and nurtured in 27.73 hectares in 5 years. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be developed within 33% of total project area, as committed, within a period of 3 years and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.
20. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
21. The EAC deliberated on the written submission of the project proponent and found it satisfactory.
22. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
23. The Committee noted the detailed comments furnished by the Chhattisgarh Environment Conservation Board (CECB) vide its letter dated 12.05.2026 on the proposed project of M/s Kalyani Ispat Limited, Chhattisgarh, and observed that the Board has recommended environmental safeguards including adoption of zero liquid discharge, provision of adequate ETP/STP systems, installation of air pollution control measures such as ESPs/bag filters and covered conveyors, implementation of dust suppression measures, and installation of continuous monitoring systems (OCEMS/CAAQMS) with connectivity to SPCB/CPCB servers, and ensuring compliance with prescribed emission standards. The Board has also emphasized proper solid and hazardous waste management, development of adequate greenbelt, rainwater harvesting, storm water management, prevention of contamination of nearby water bodies, and adherence to occupational health and safety measures. Further, unit-wise safeguards have been prescribed for various project components including Sponge Iron, Pellet Plant, Sinter Plant, Coke Oven, Captive Power Plant, Coal Washery and other associated facilities. The Committee, after deliberation, advised that the relevant recommendations of CECB, to the extent not already covered in the EIA/EMP and EAC conditions, shall be incorporated suitably without duplication, and the point-wise deliberations are as follows:

S l. N o.	En vir on m en tal Sa fe gu ar d / Co nd iti on	D e li b e r a ti o n b y E A C
	1. Strict adherence to EC conditions:	
	All ter	A lr

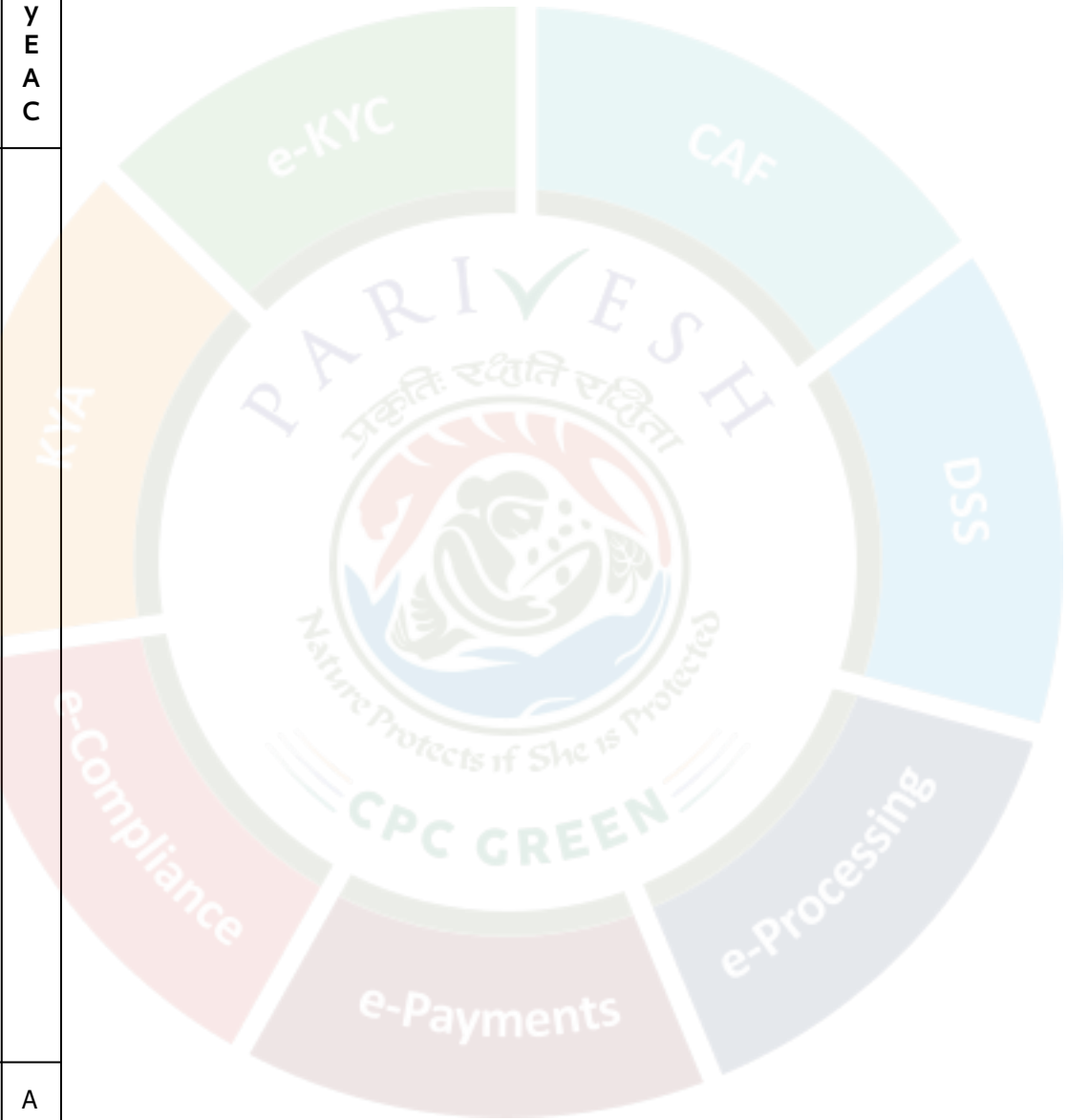
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ms and condition so f t he En vir on m en tal Cl ea ran ce s hal l b e f oll o we d wi th ou t d evi ati o n.	e a d y p r e s c r i b e d b y E A C
2. Effluent Managemen		



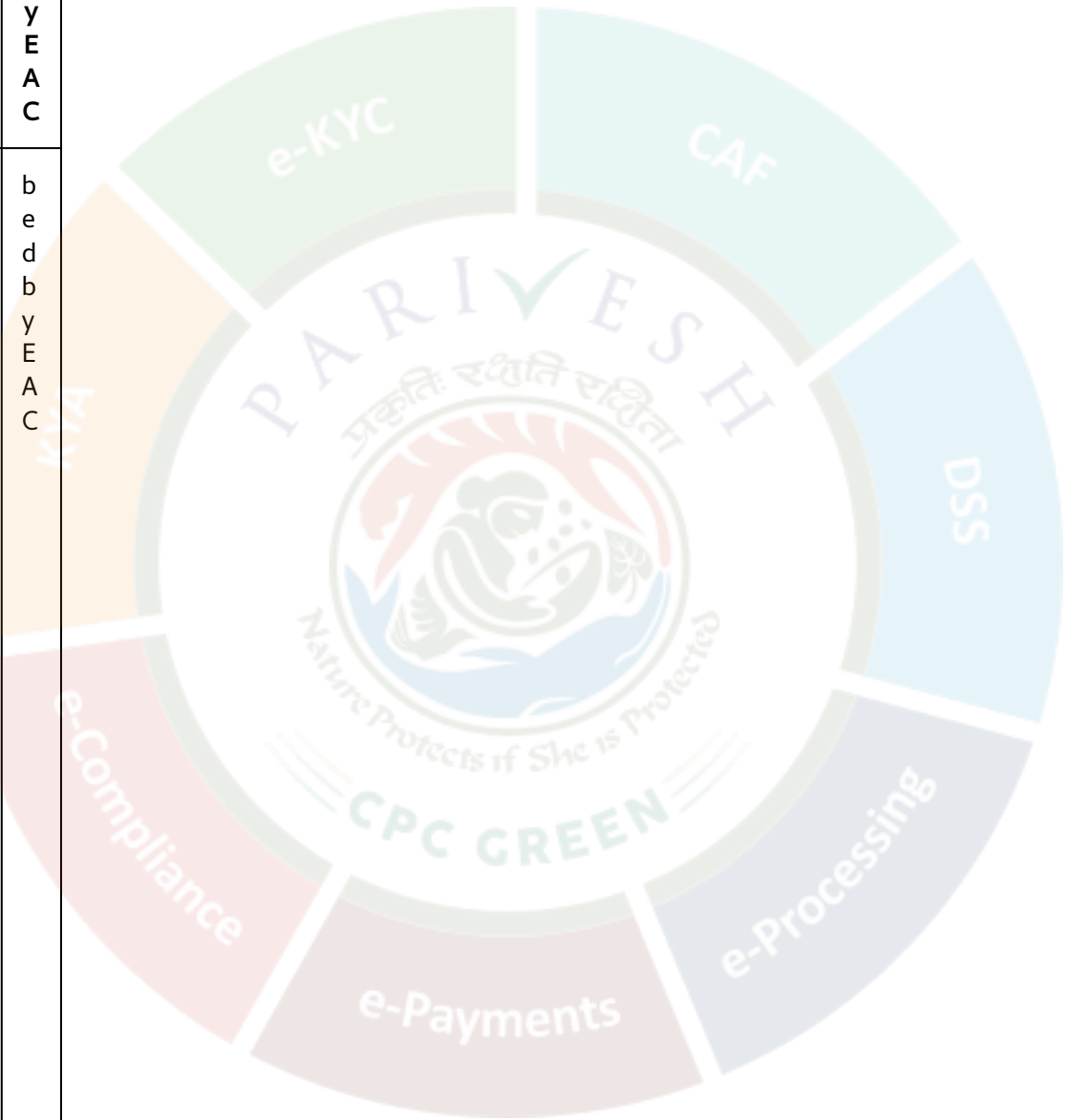
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
t:		
	The project shall operate on "Zero Liquid Discharge" shall be maintained. Processes effluent	Already prescribed by EAC



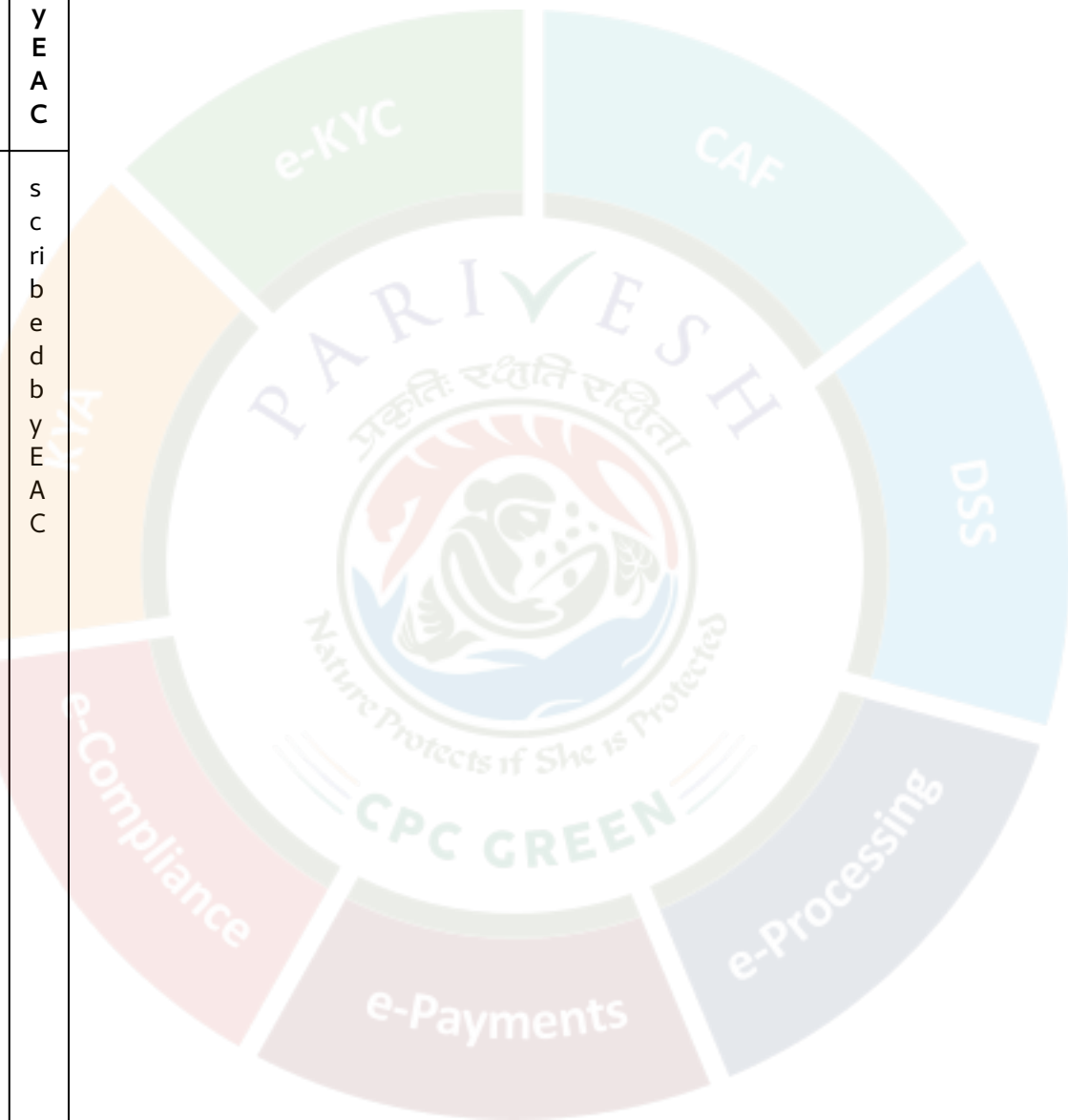
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	nt shall be treated and will be recycled and reused in the process.	
	Separate ETP/STPs systems	Already prescribed



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	all be provided for industrial effluent and domestic sewage respectively.	bed by EAC
	Cooling water blow down	Already approved



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	wn, DM reject, beneficial on plant effluent, coke oven effluent and washer y effluent shall be treated	s c r i b e d b y E A C



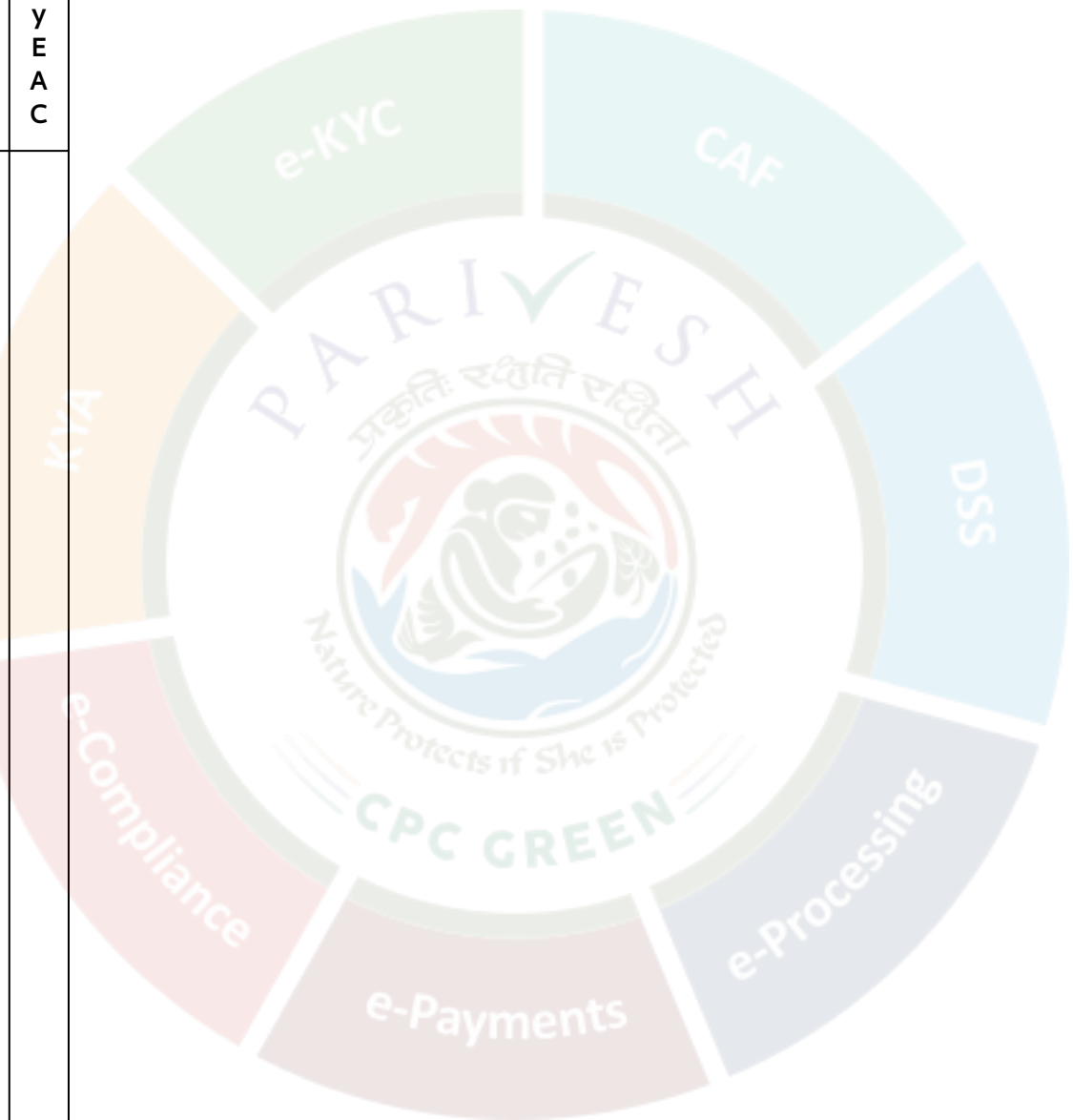
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	and recycled.	
	No untreated/ partially treated effluent shall be discharged outside plant premises	Already prescribed by EAC



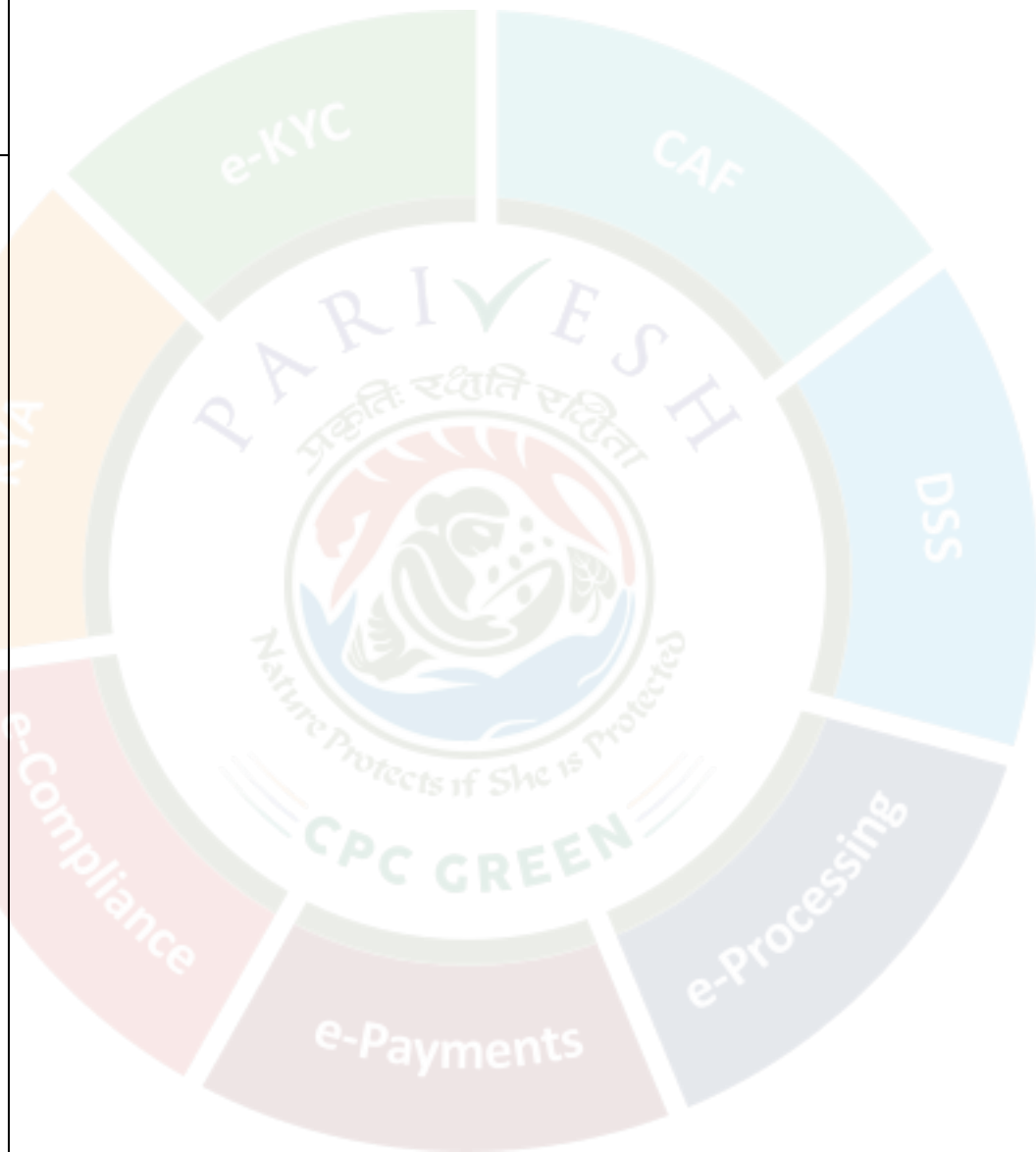
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	se s o r i n t o a n y n a t u r a l d r a i n / w a t e r b o d y.	
	Be ne fici a ti o n p l a n t s l u r r y / t a i l i n g m a n a g e m e n t s y s t e	A l r e a d y p r e s c r i b e d b y E A C



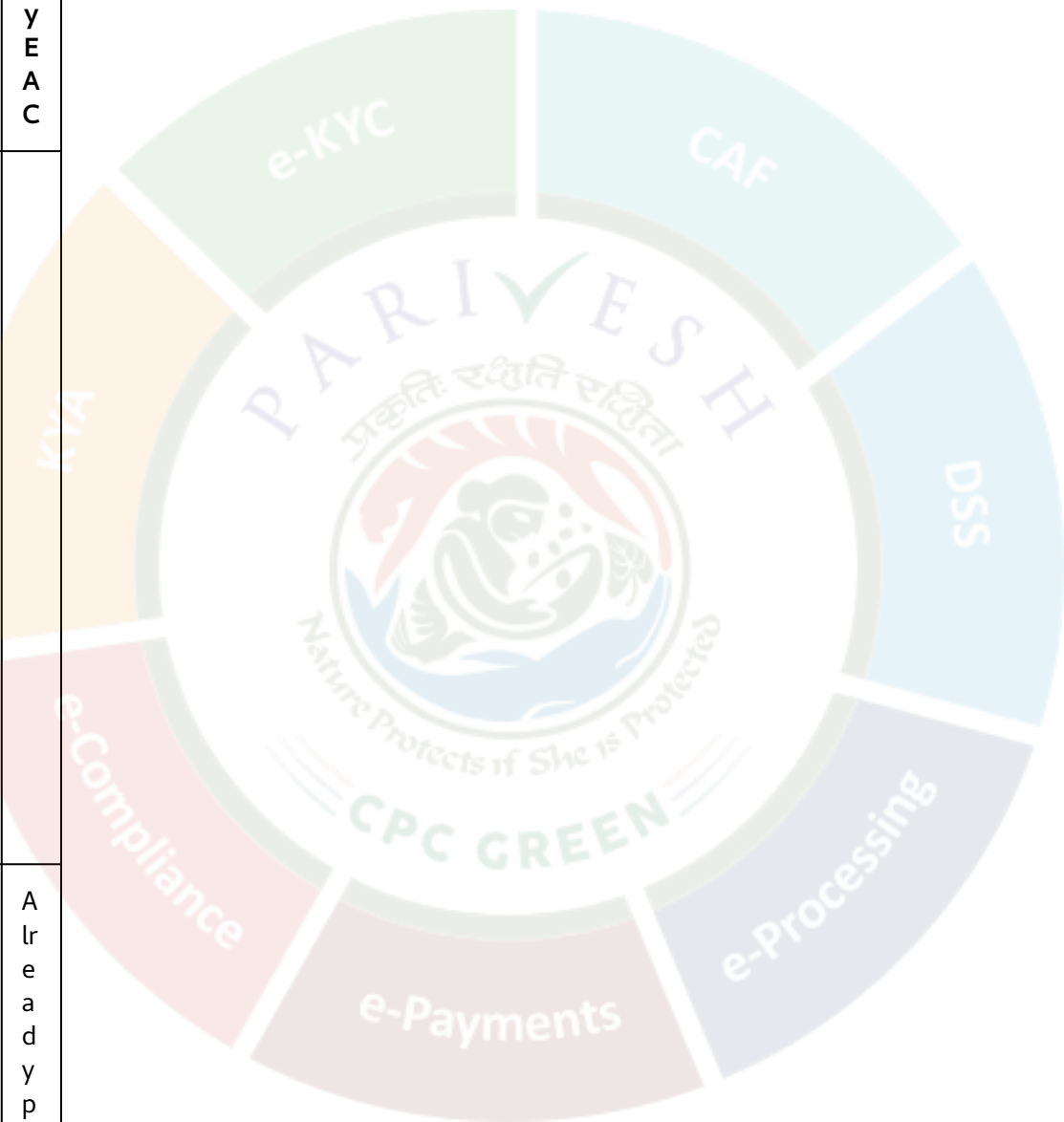
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	m shall be scientifically designed with thickener, tailing storage arrangement and recycle system.	



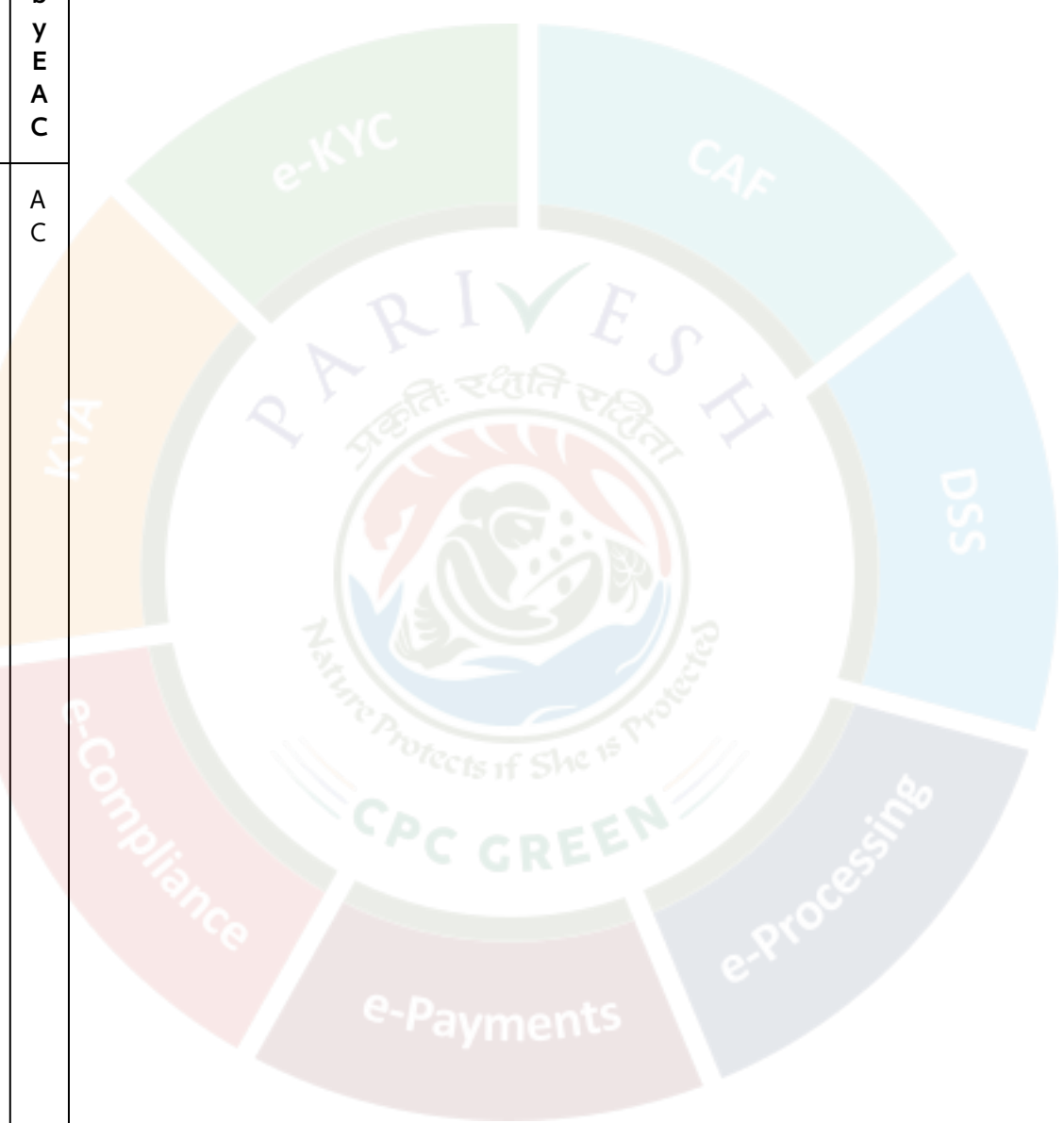
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Tailg pond, sludge storage area and hazardous waste storage area shall have impervious HD	Deliberated and incorporated by EAC



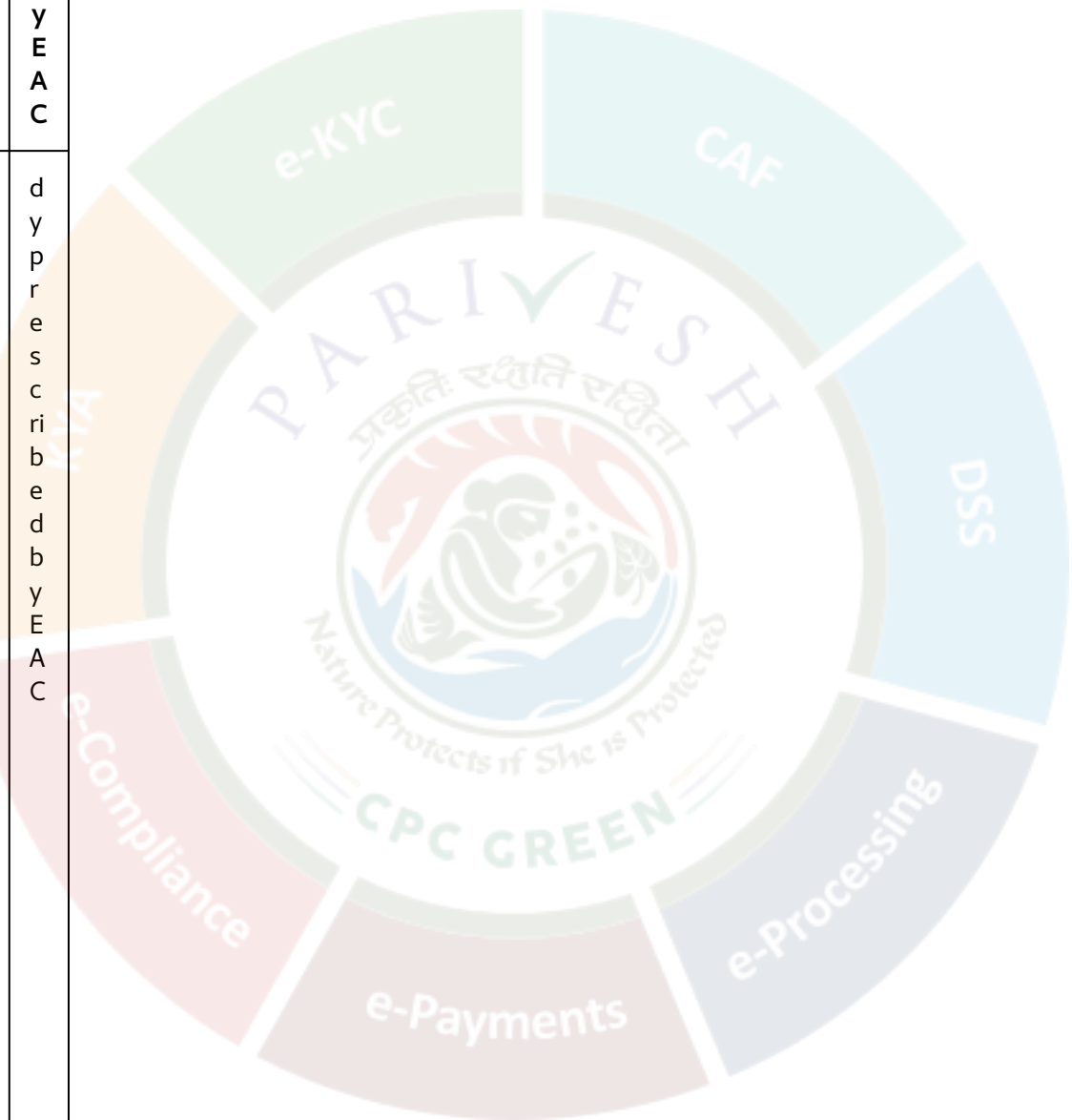
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	E lining to prevent ground water contamination.	
	Garland drains, settling pits and storm water m	Already prescribed by E



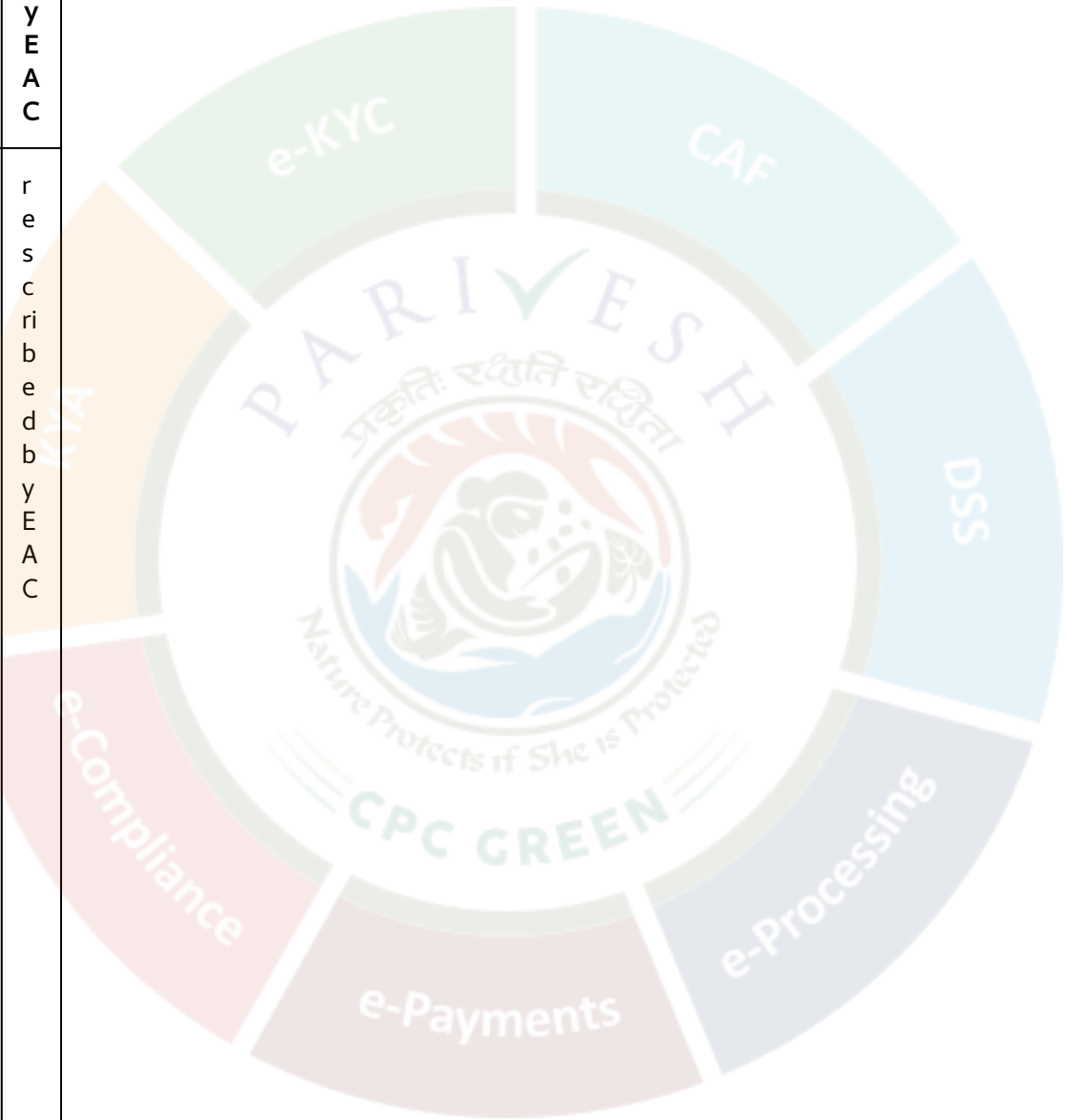
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	an agreement system shall be provided to prevent contamination of storm runoff.	A C
	Flow m	Alrea



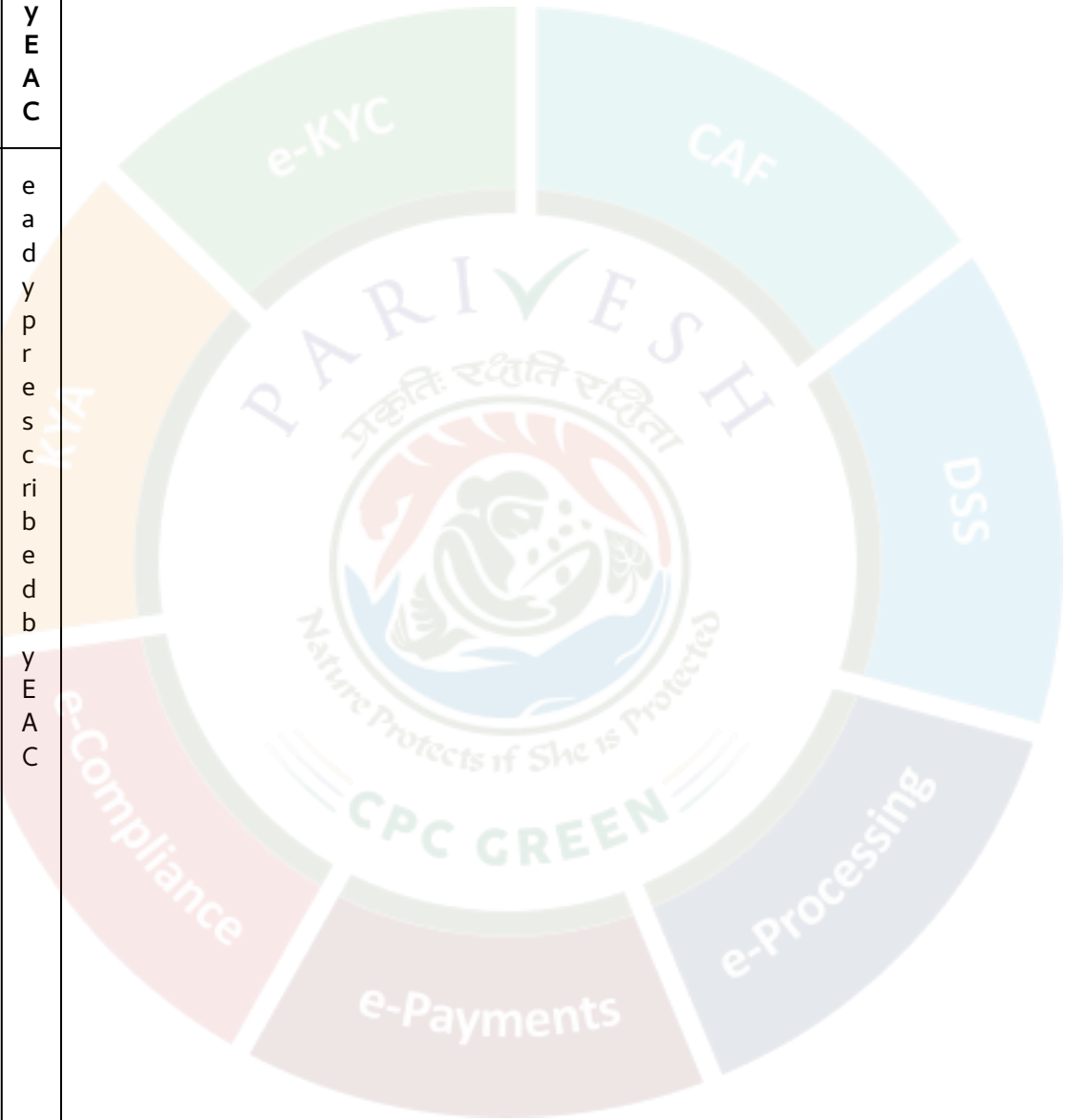
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	et er s s h a l l b e i n s t a l l e d a t a l l m a j o r w a t e r c o n s u m p t i o n a n d r e c y c l e p o i n t s.	d y p r e s c r i b e d b y E A C
	Gr ou nd wa ter ex tra	A l r e a d y p



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ction, if any, shall be only after obtaining permission from CGWA/competent authority.	rescribed by EAC
	Online	Atr



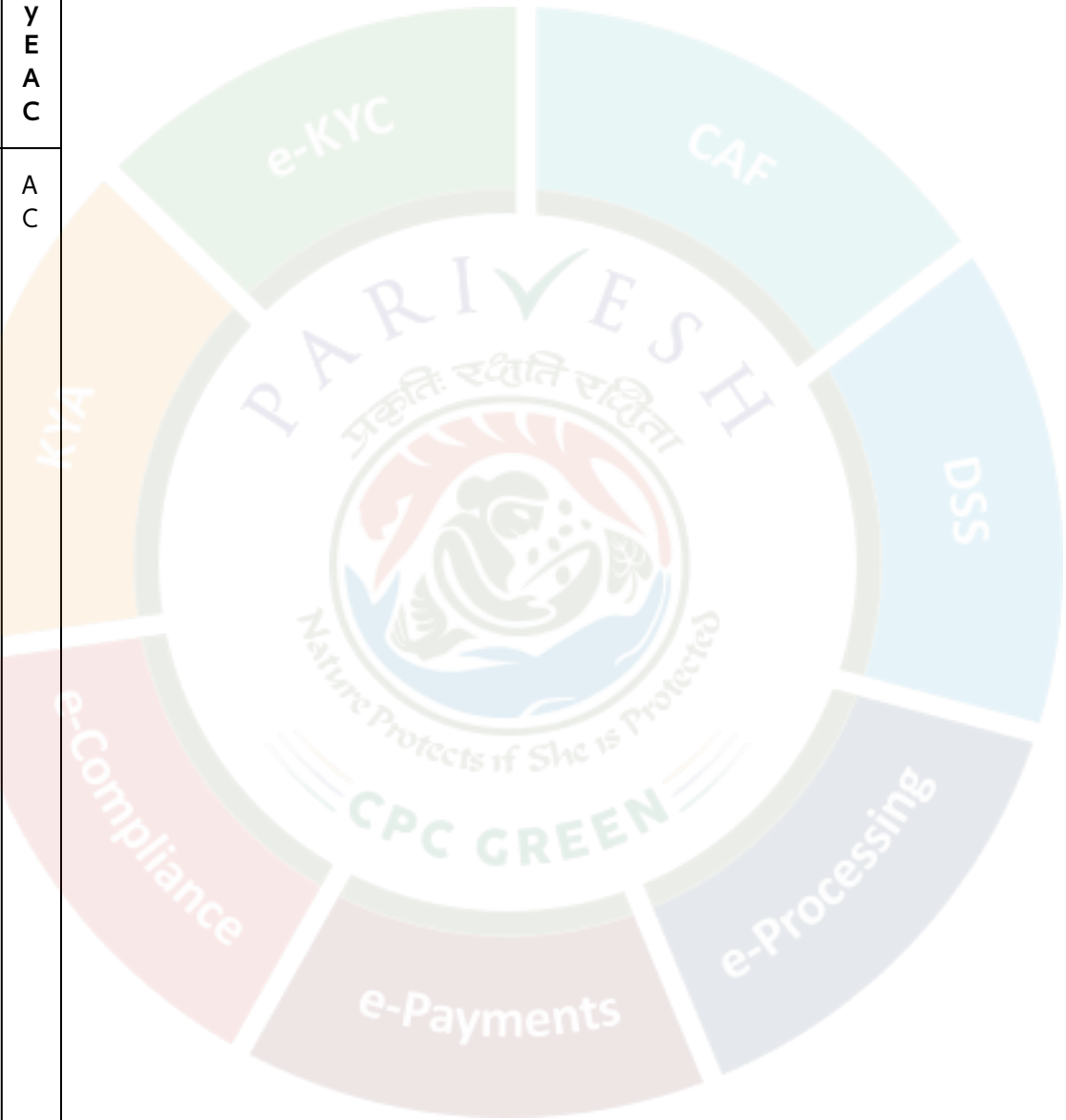
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	e Continuous Effluent Monitoring System (OCEMS) shall be installed for major effluent discharge	e and y p r e s c r i b e d b y E A C

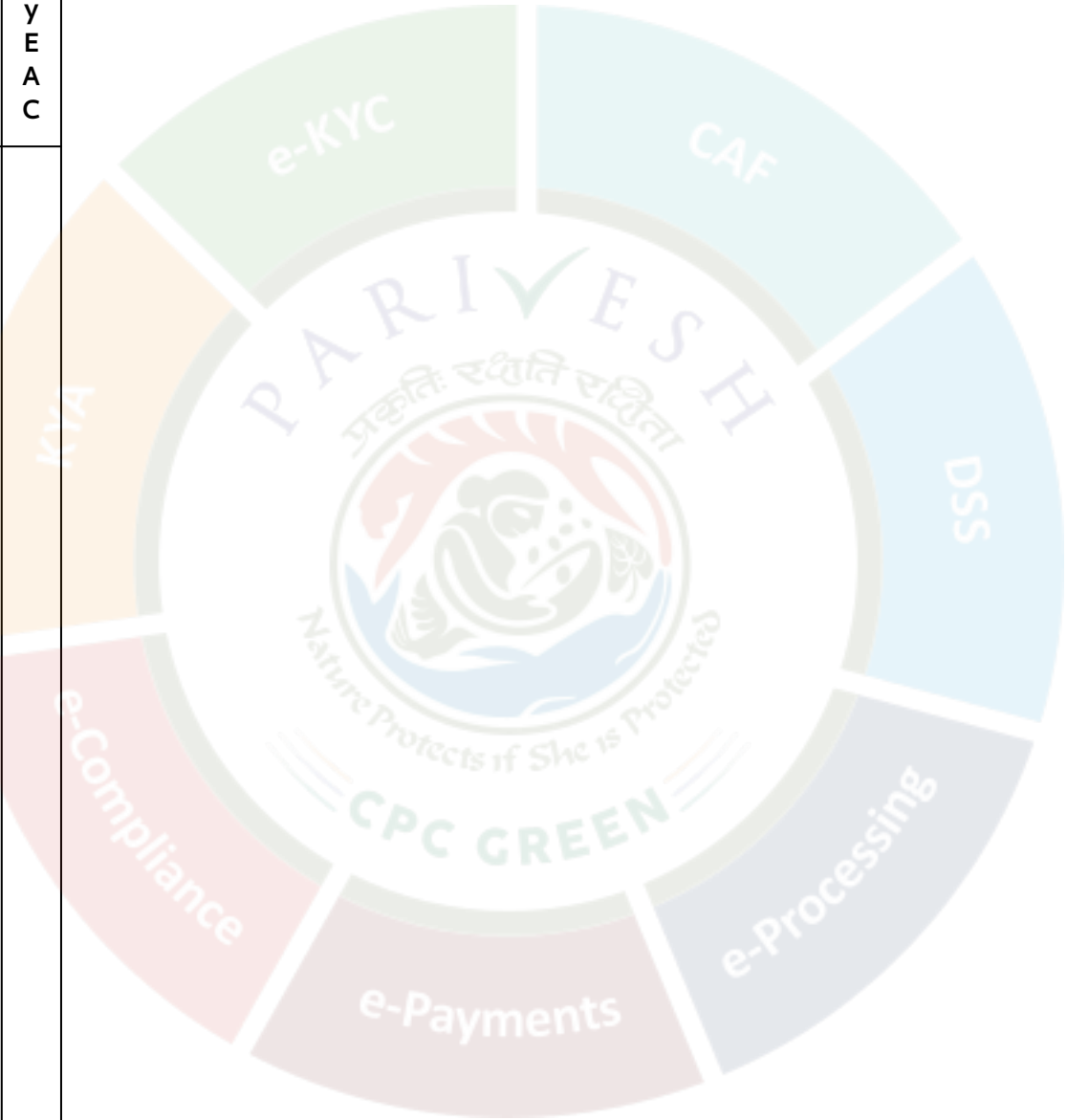


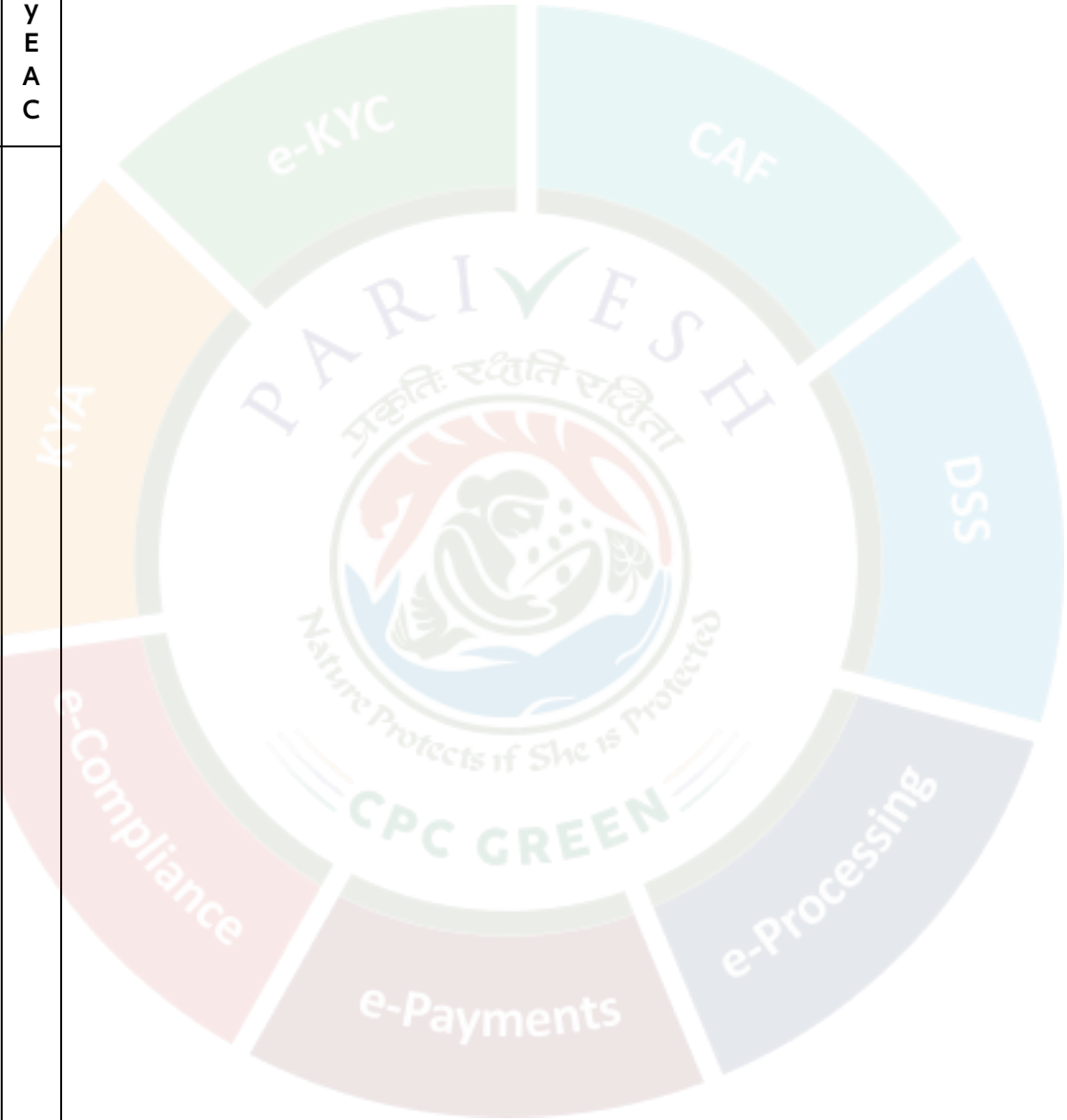
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	g e/r ecycl es trea ms whe re ve r a pp lic abl e.	
3. Air Pollution Control:		
	All m ajo r a ir po llu tio n ge ne rat in g uni ts inc lu	A lre ad y p r e s c ri b e d b y E



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ding Sponge Iron Kilns, Pellet Plant, Sinter Plant, MBF, Coke Oven, CPP, Lime Calcination Plant,	A C



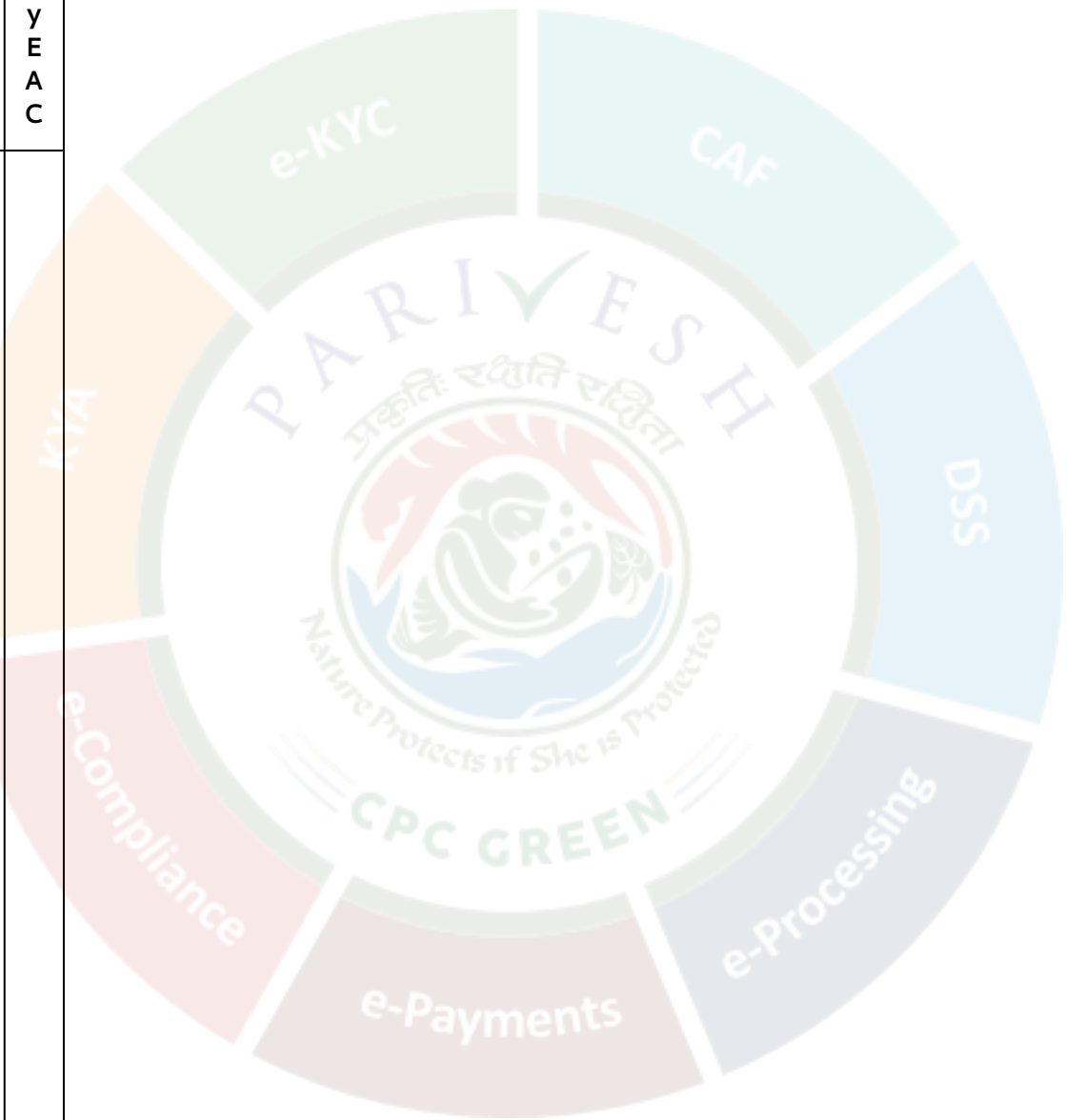
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	SA Fa nd Ce m en t Gri nd in g Un it sh all be pr ovi de d wi th ad eq ua te AP C Ds su ch as ES P, Ba g Fil te r,	 The diagram is a circular infographic for CPC GREEN. At the center is a logo with a green tree and the text 'PARIVESH' in a semi-circle above it, and 'CPC GREEN' in a semi-circle below it. Between the semi-circles is a circular emblem containing a stylized figure and the text 'प्रकृति रक्षति रक्षितः' and 'Nature Protects if She is Protected'. Surrounding the central logo is a ring divided into eight colored segments, each labeled with a service: 'e-KYC' (green), 'CAF' (light blue), 'DSS' (blue), 'e-Processing' (grey-blue), 'e-Payments' (brown), 'e-Compliance' (red), 'KYA' (orange), and 'e-Verification' (light green).

S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Cyclone, Wet Scrubber, Deducing System etc. designed to achieve prescribed emission	 The diagram is a circular infographic for CPC GREEN. At the center is a logo with a green bird and the text 'PARIVESH' in blue, 'प्रकृति रक्षति रक्षितः' in Devanagari script, and 'Nature Protects if She is Protected' in English. Below the logo is 'CPC GREEN' in green. Surrounding the center is a ring divided into eight colored segments, each with a label: 'e-KYC' (green), 'CAF' (light blue), 'DSS' (blue), 'e-Processing' (grey), 'e-Payments' (brown), 'e-Compliance' (red), 'KYA' (orange), and 'e-KYC' (green).

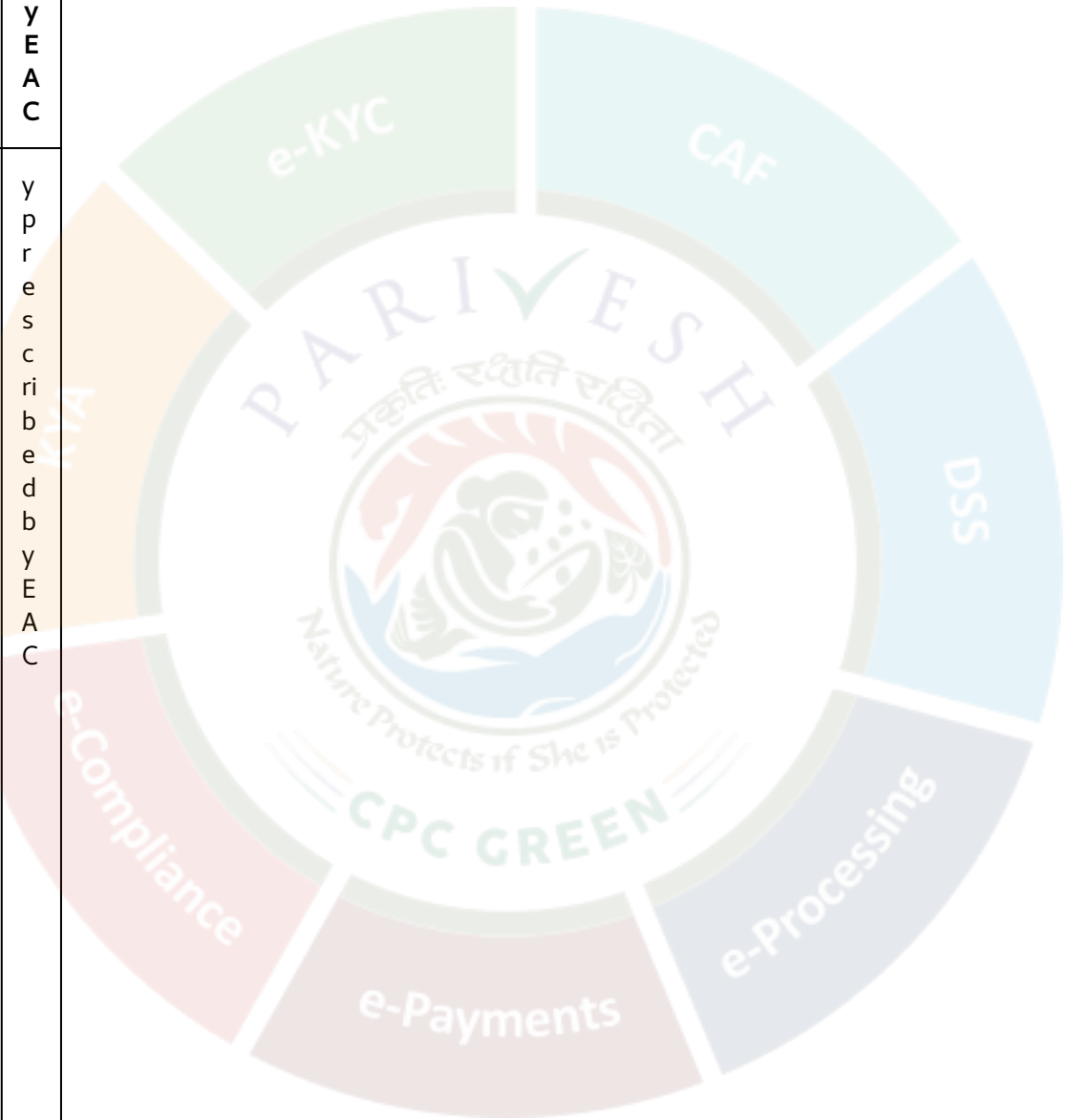
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	rm s a t a l l t i m e s.	
	On line Continuous Emission Monitoring Systems (OCEMS) shall be installed for	A l r e a d y p r e s c r i b e d b y E A C

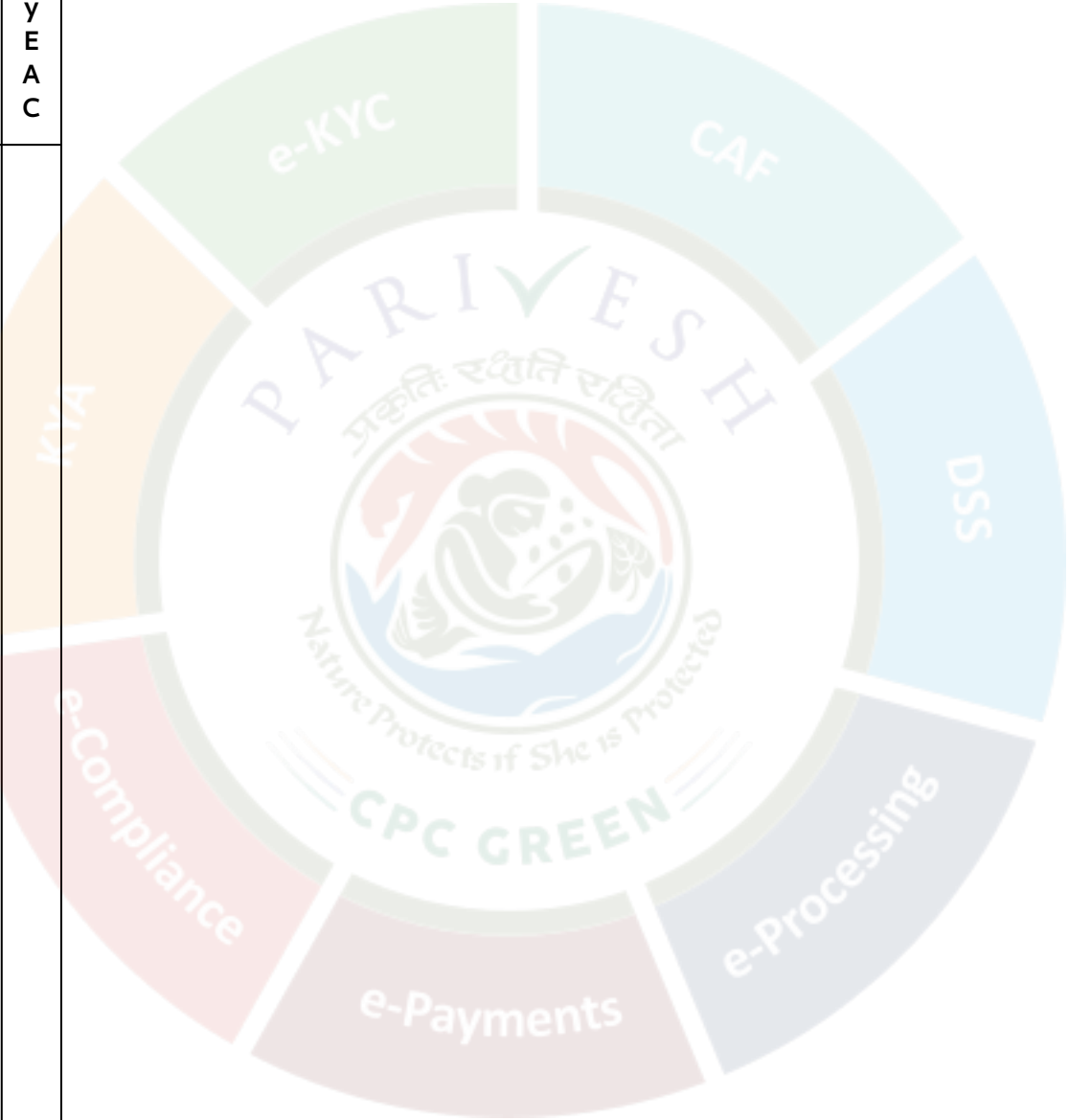


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	all major stacks and data connectivity shall be provided to CP CB and CE CB servers.	
	Fugitive emissions	Agreed



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ssion control system, including dry fog system, water sprinkling, dust extraction system and	y prescribed by EAC

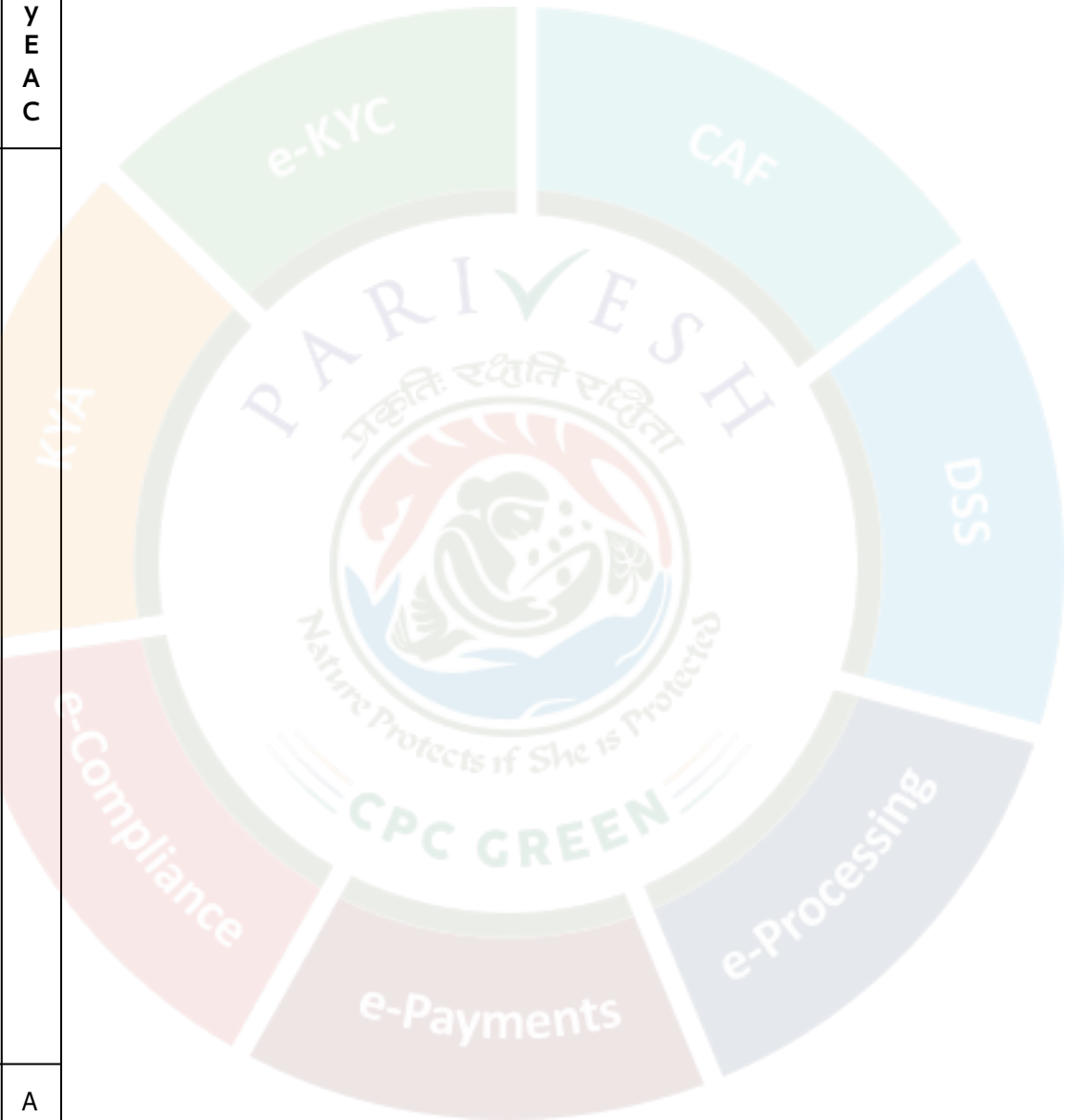


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	covered conveyors shall be installed at all raw material handling, crushing, screening, transports	 The diagram is a circular infographic for CPC GREEN. At the center is a logo with a green tree, a blue bird, and a green fish, surrounded by the text 'PARIVESH' in a semi-circle, 'प्रकृति रक्षति रक्षितः' in Devanagari script, and 'Nature Protects if She is Protected' in English. Below the logo is the text 'CPC GREEN'. Surrounding the center are eight colored segments, each representing a different initiative: e-KYC (green), CAF (light blue), DSS (blue), e-Processing (grey-blue), e-Payments (brown), e-Compliance (red), KVA (orange), and e-KYC (green).

S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	fer and loading/unloading points.	
	All conveyors carrying coal, iron ore, pellets, coke, fly ash, slag	Already prescribed by EAC



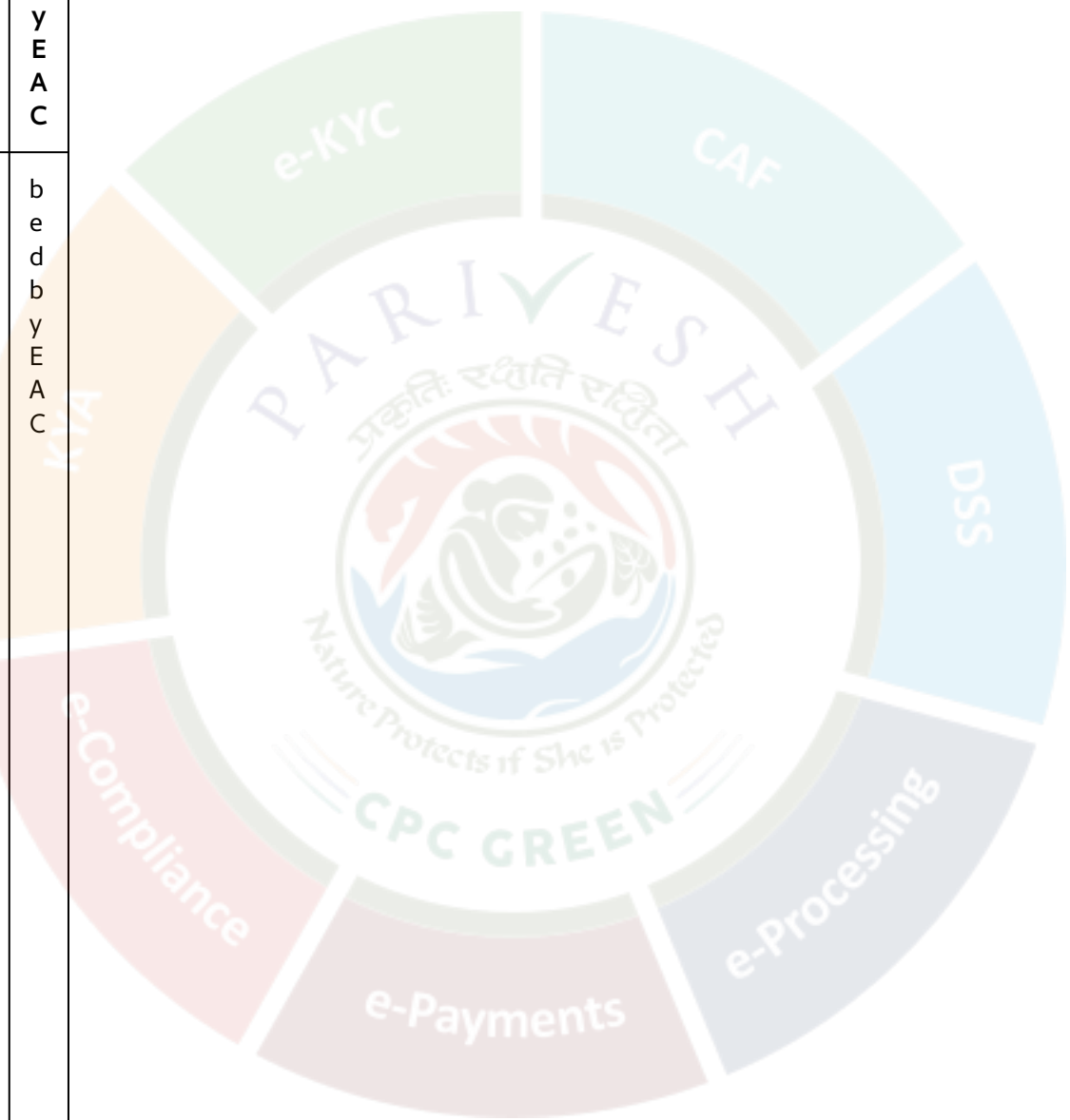
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	g and dust-prone materials shall be fully covered/ enclosed.	
	Internal roads shall be paved	Already prescribed



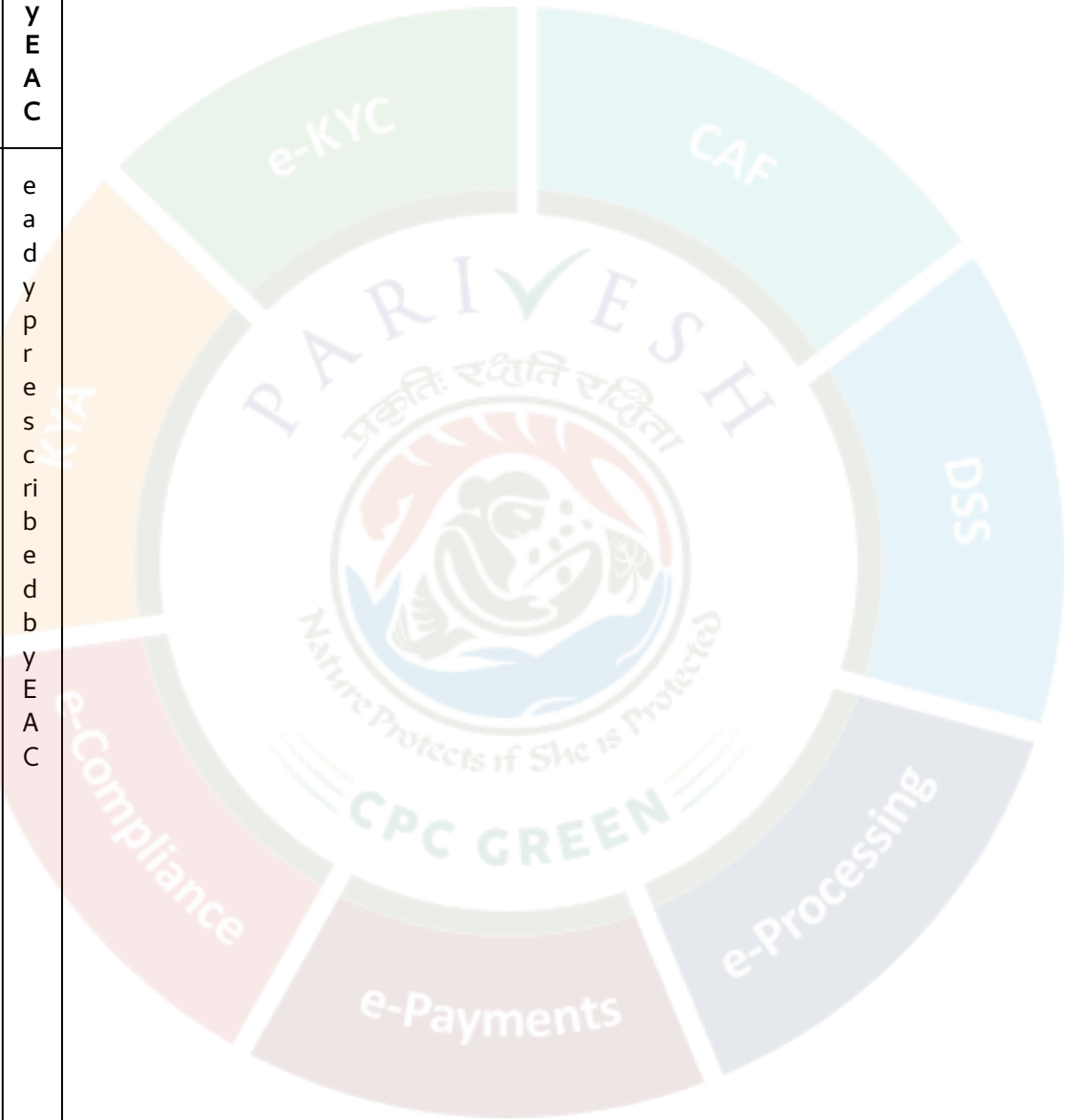
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	and mechanized road sweeping arrangement shall be provided.	bed by EAC
Ad equate wheel washing system		Already present



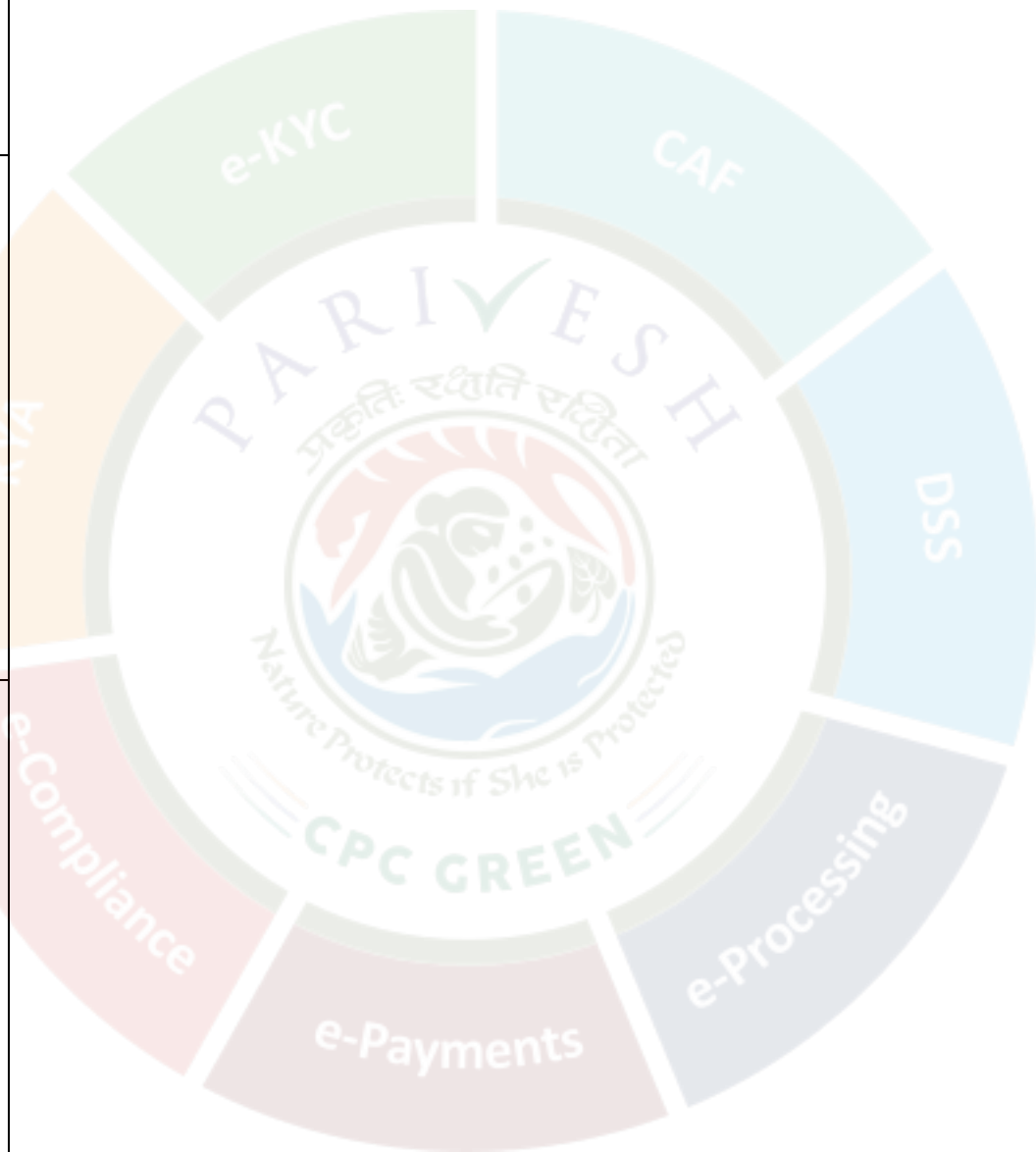
S.L. No.	Environmental Safeguard / Condition	Delegation by EAC
	em shall be installed at plant exit gates to prevent carryover of dust/mud on public roads.	bed by EAC
	All	Alr



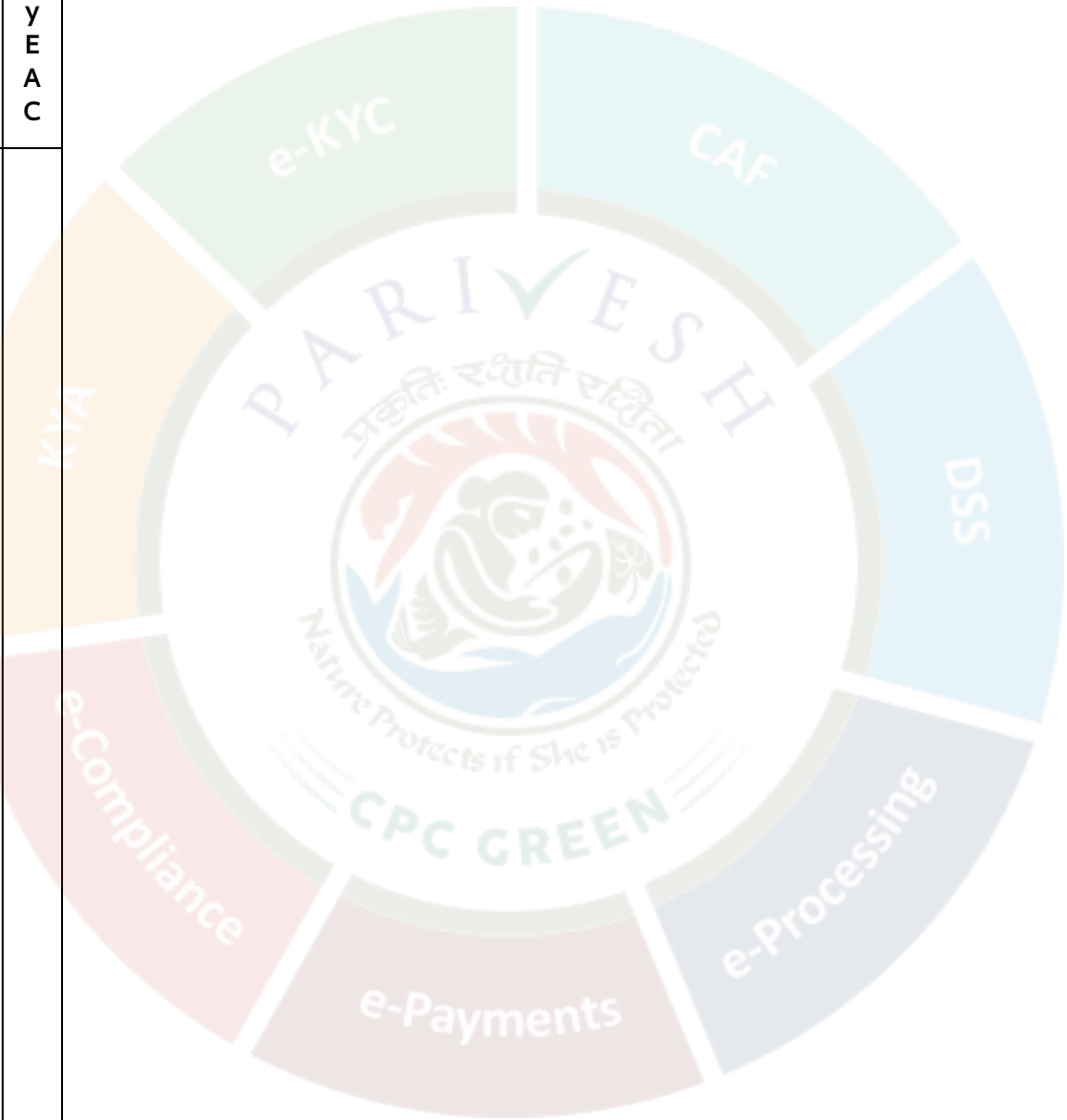
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	cks t ra ns po rti ng ra w m at eri als an d f in ished pr odu cts sh all be co ve red w ith ta r pa uli n/ GP S- en abl	e a d y p r e s c r i b e d b y E A C



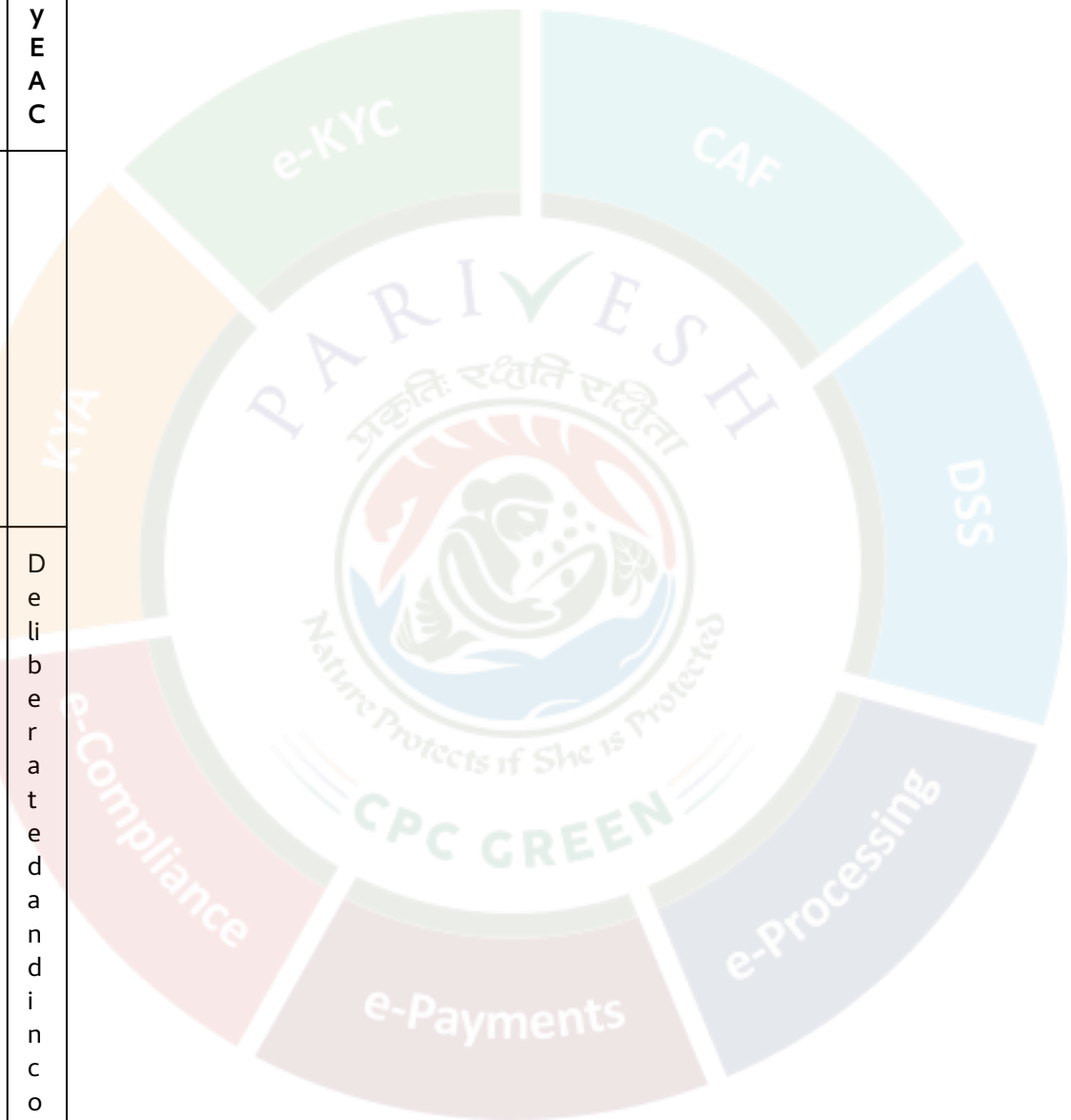
S.L. No.	Environmental Safeguard / Condition	Delegation by EAC
	ed covered transportation system.	
	Ambient Air Quality Monitoring Stations including Continu	Already prescribed by EAC



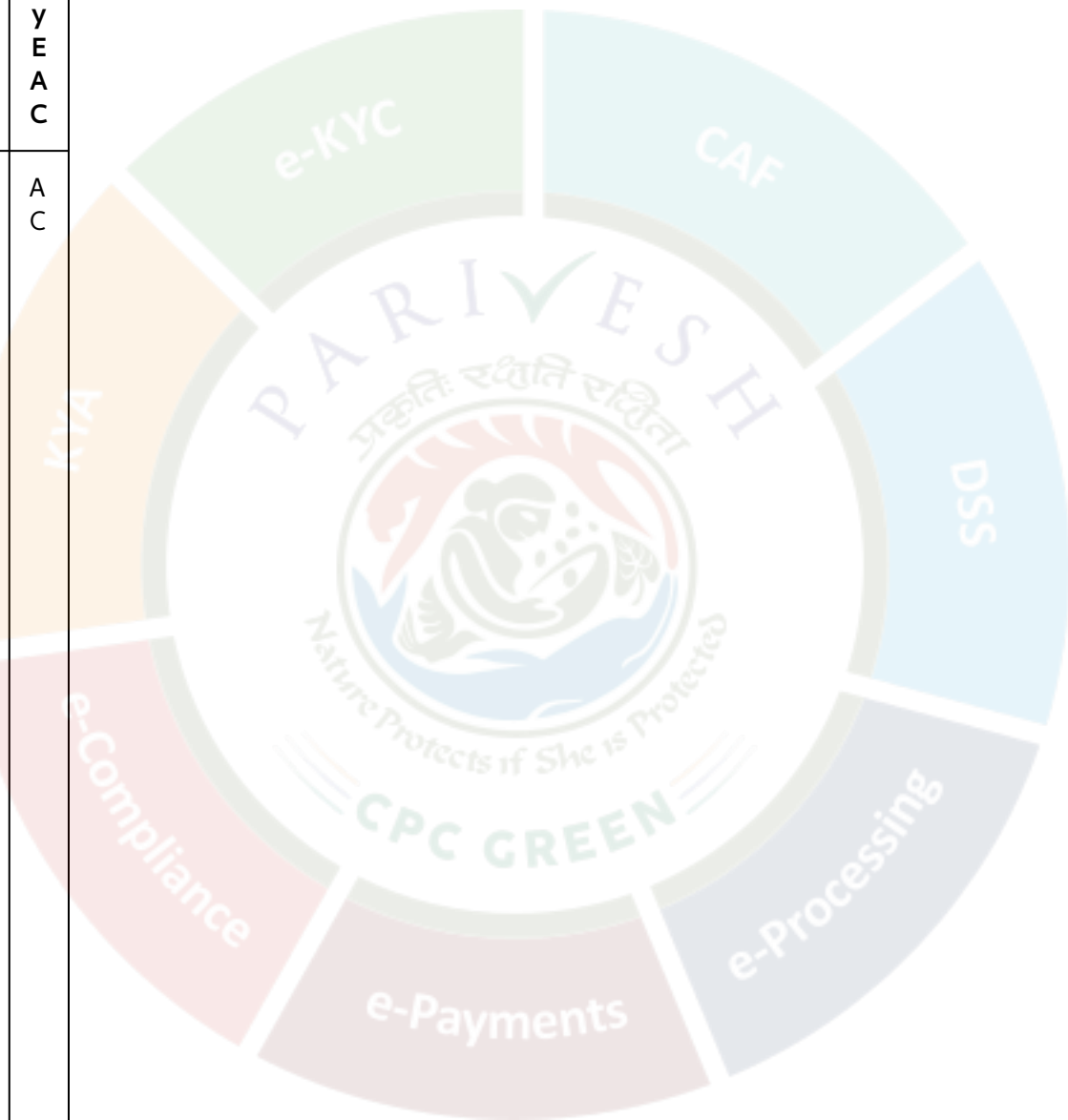
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ous Ambient Air Quality Monitoring Stations (CAAQMS) shall be established in downwind dir	



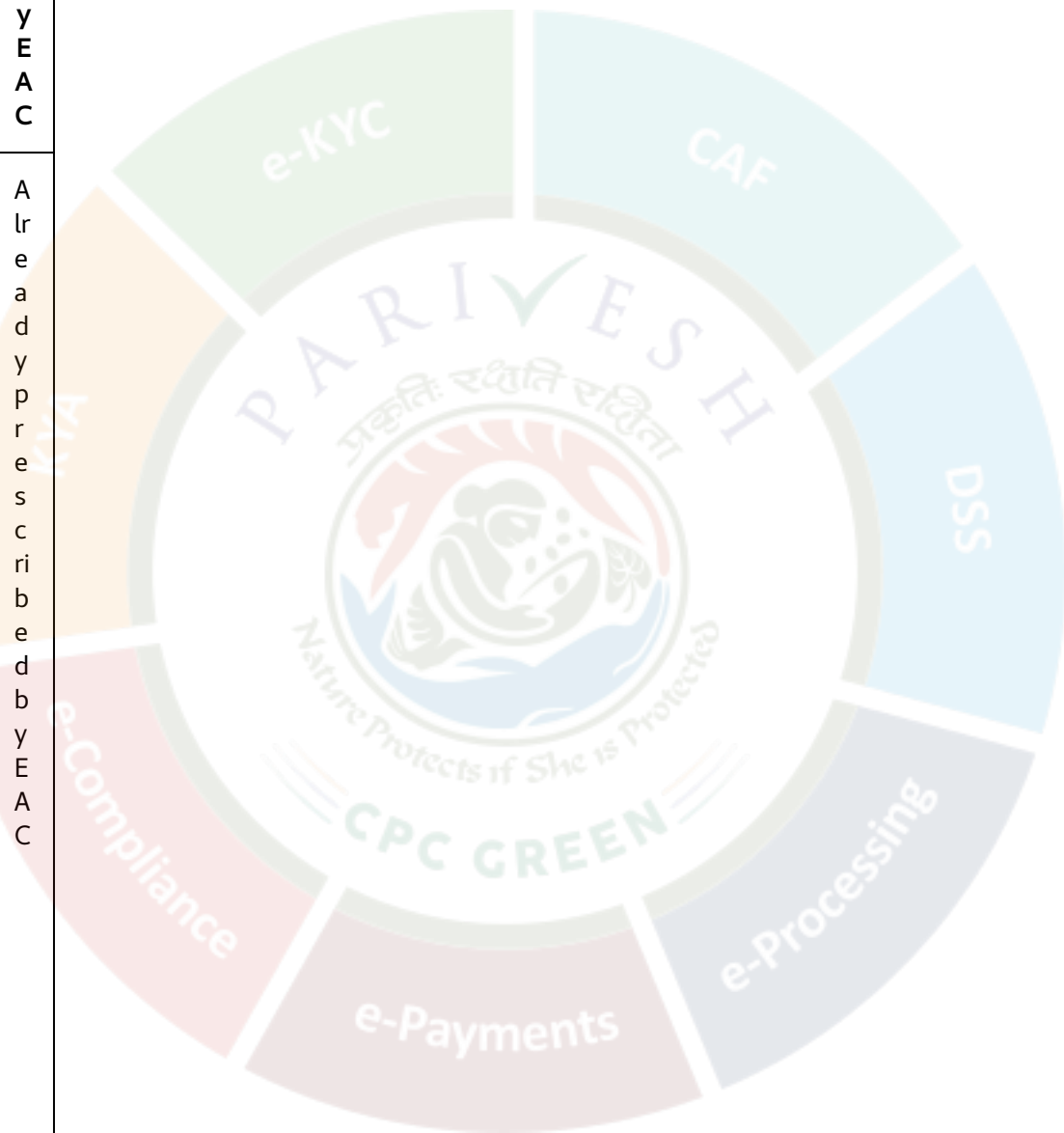
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ection and nearby villages.	
	Co ke Oven emission s i ncl u d i n g Benz en e So lu bl e Or ga nic Fr ac tio n (	De li b e r a t e d a n d i n c o r p o r a t e d b y E



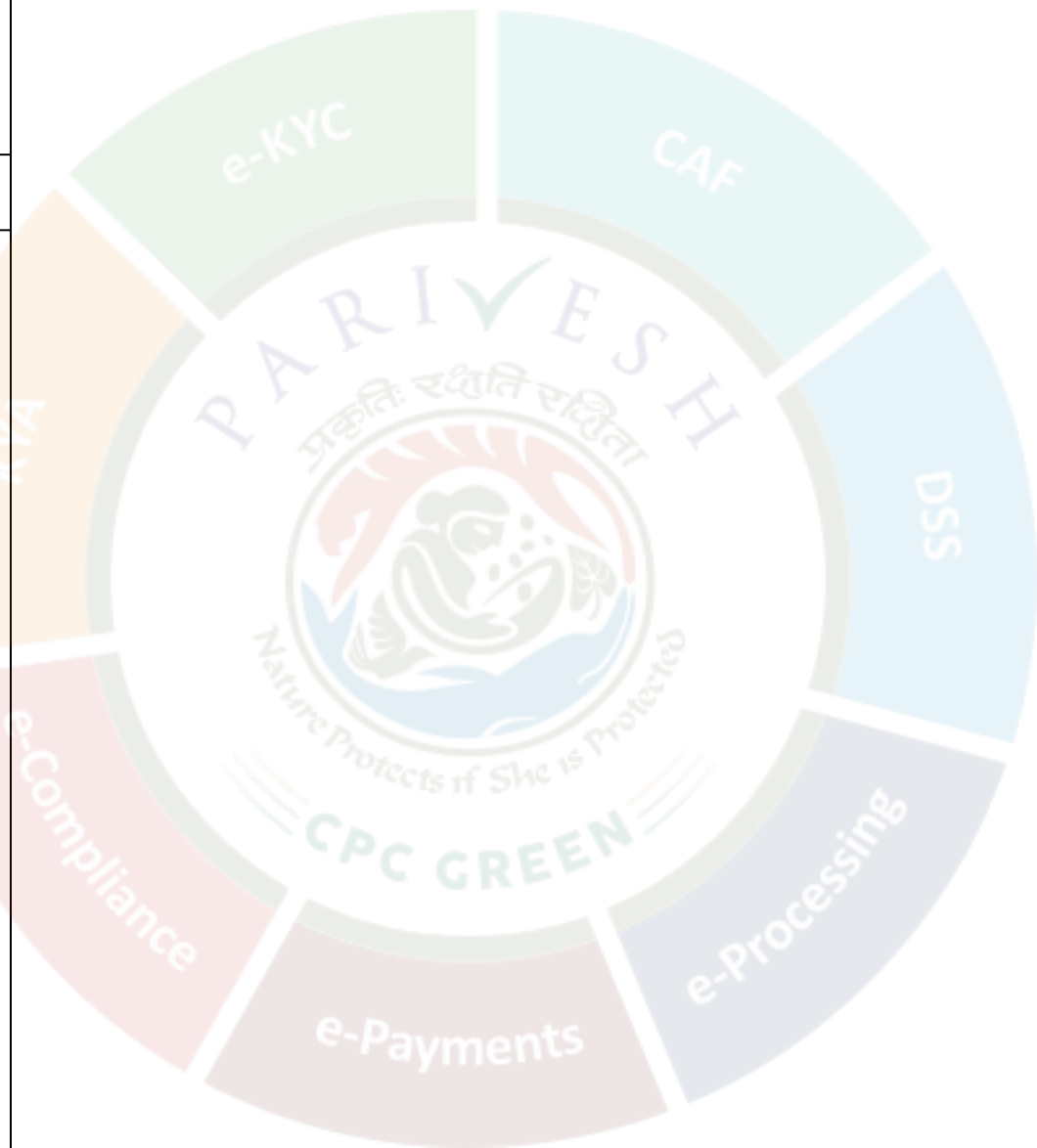
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	BSO F) and fugitive emissions from charging/pushing operations shall be adequately controlled.	A C



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Secondary fumee extraction system shall be installed in steel melting and ferro alloy operation	Already prescribed by EAC



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	s.	
	Ad equate stack heights shall be provided as per CPCB norms for all stacks.	Agree and hereby EAC
	Hot air/gas leakage	Deliberate

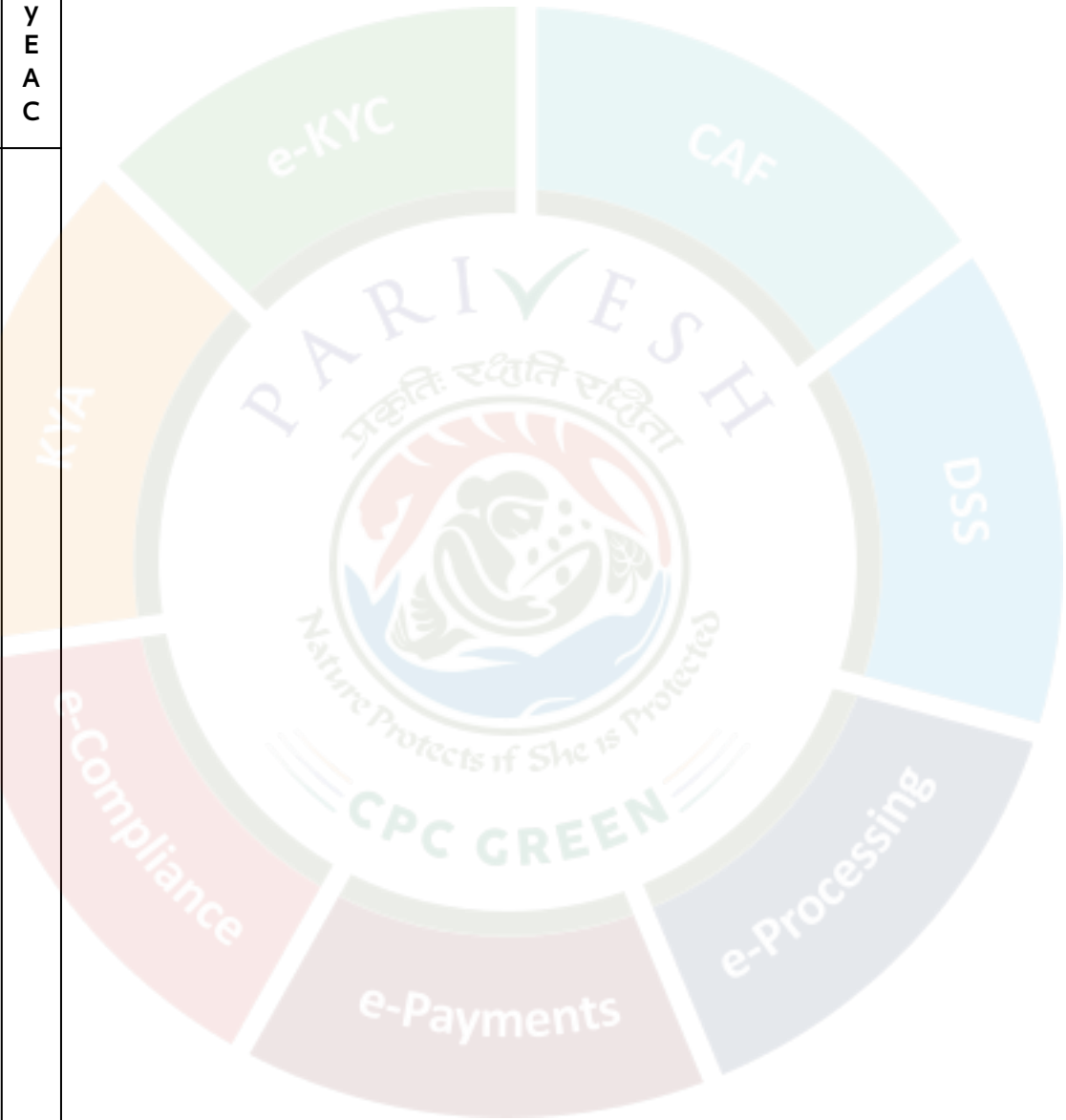


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ge from kilns, furnaces and coke ovens shall be prevented through proper maintenance and monitoring	 ted and incorporated ated by EAC

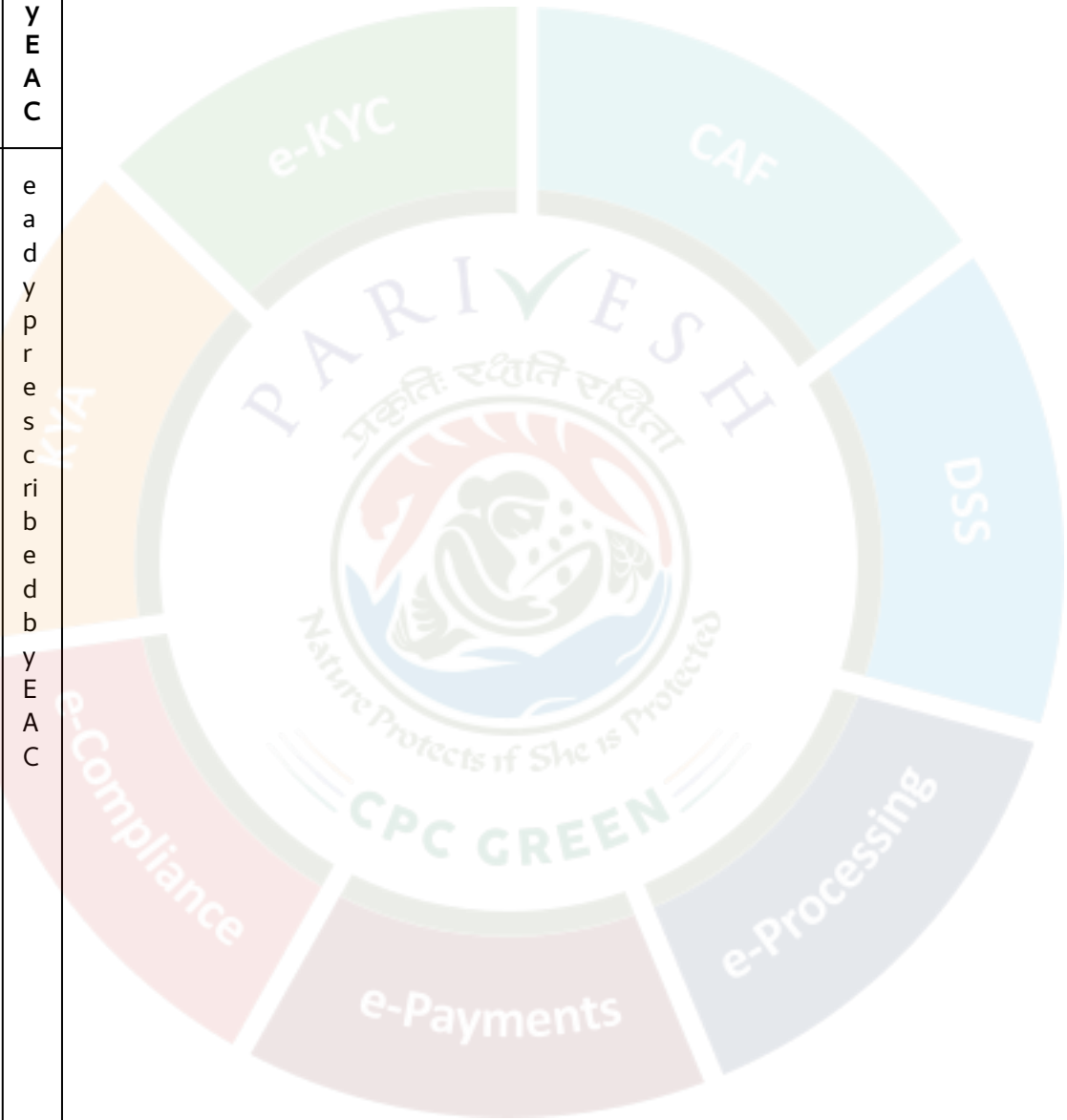
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ring.	
4. Noise Control Measures:		
	The project proponents shall ensure that PM10, PM2.5, SO2 and NOx lev	Already proposed by EAC



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	els in ne ar by re sid en tia l a re as re m ain wi thi n pr es cri be d N AA Q S l imi ts aft er ex pa nsi o n.	
	Ac ou	A lr



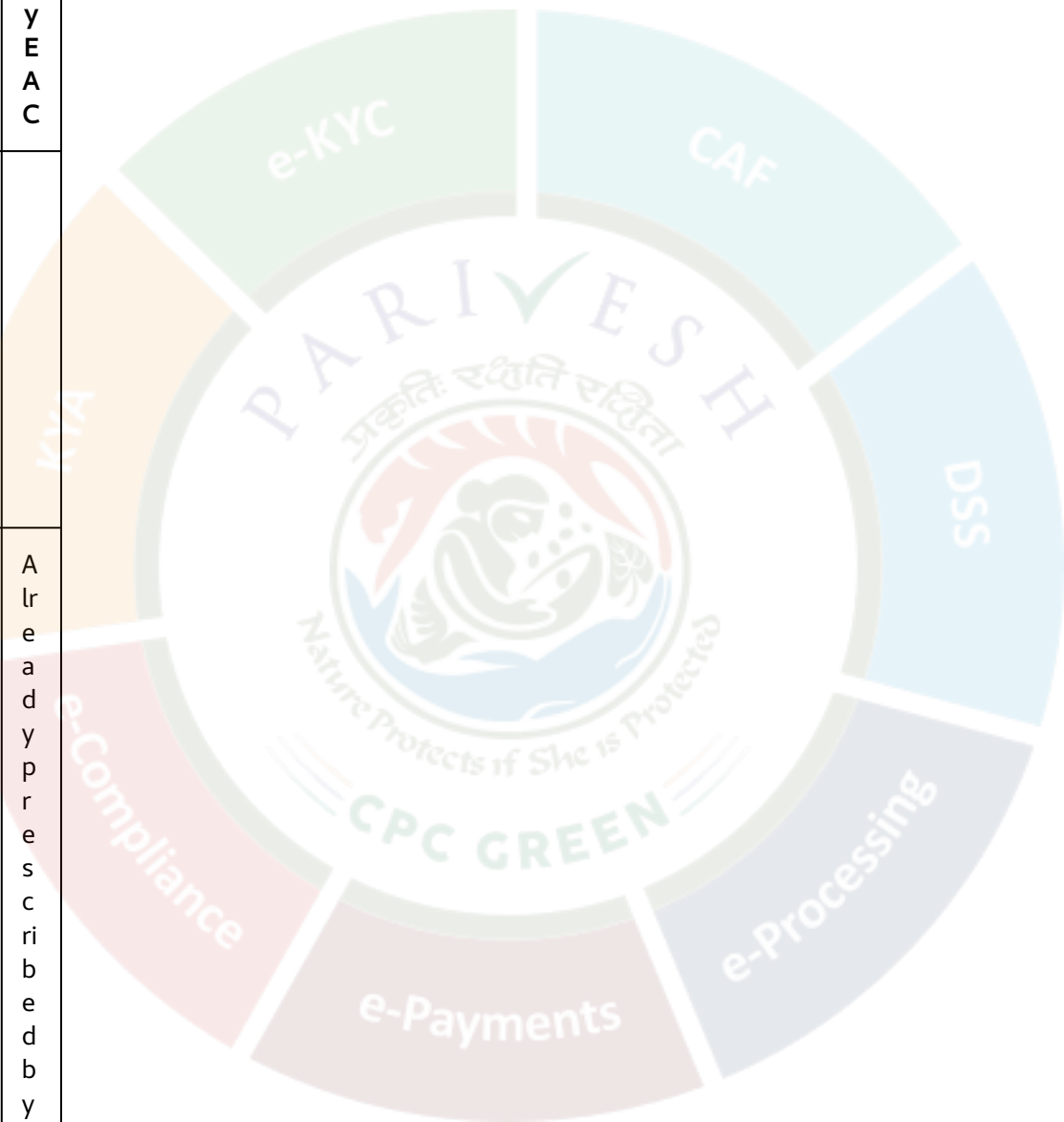
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	stic enclosure/noise control measures shall be provided for turbines, compressors, DG sets, bl	eady presence contributed by EAC



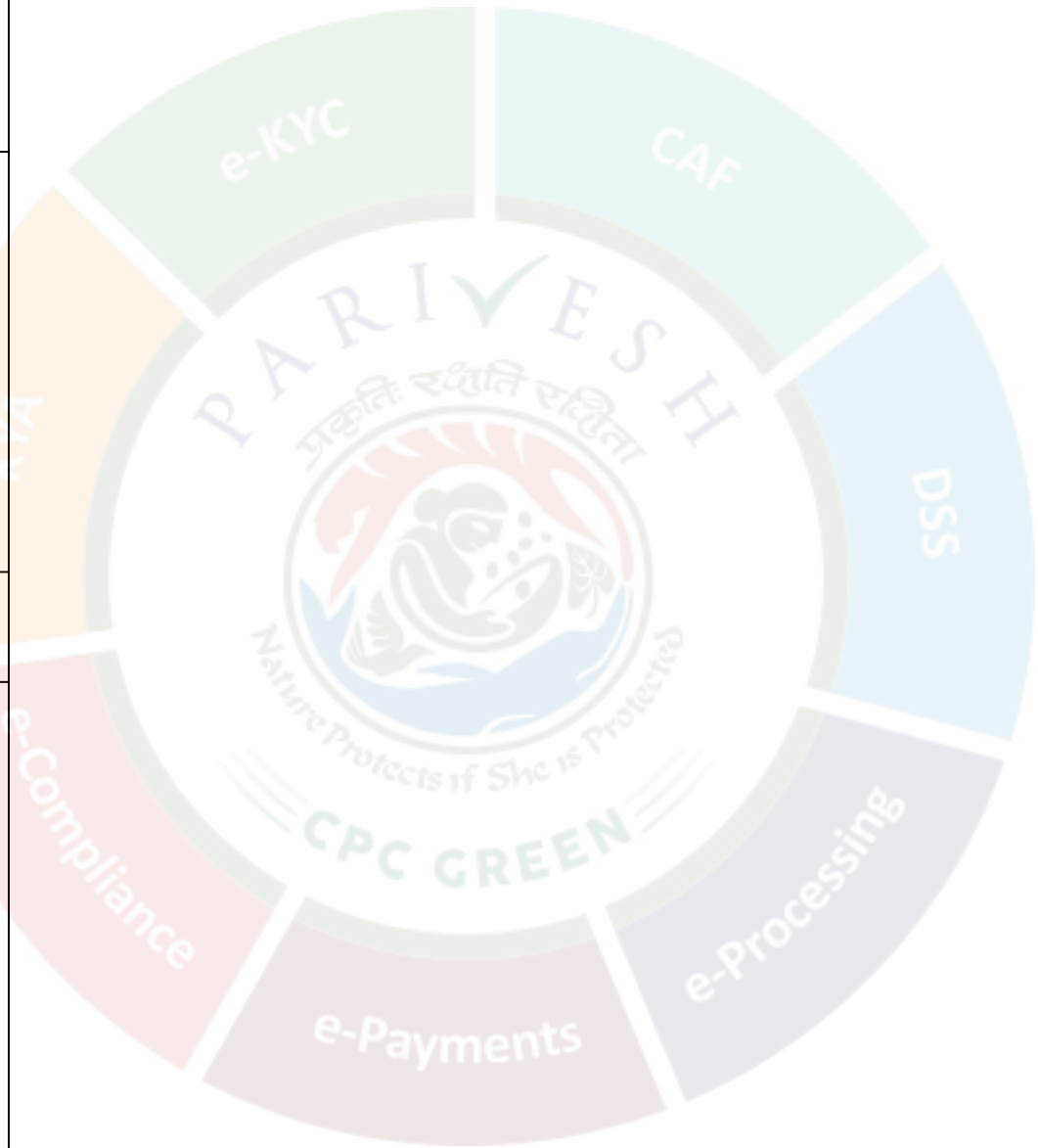
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	owers and other high-noise equipment.	
	Periodic noise monitoring shall be conducted in plant	Already prescribed by EAC



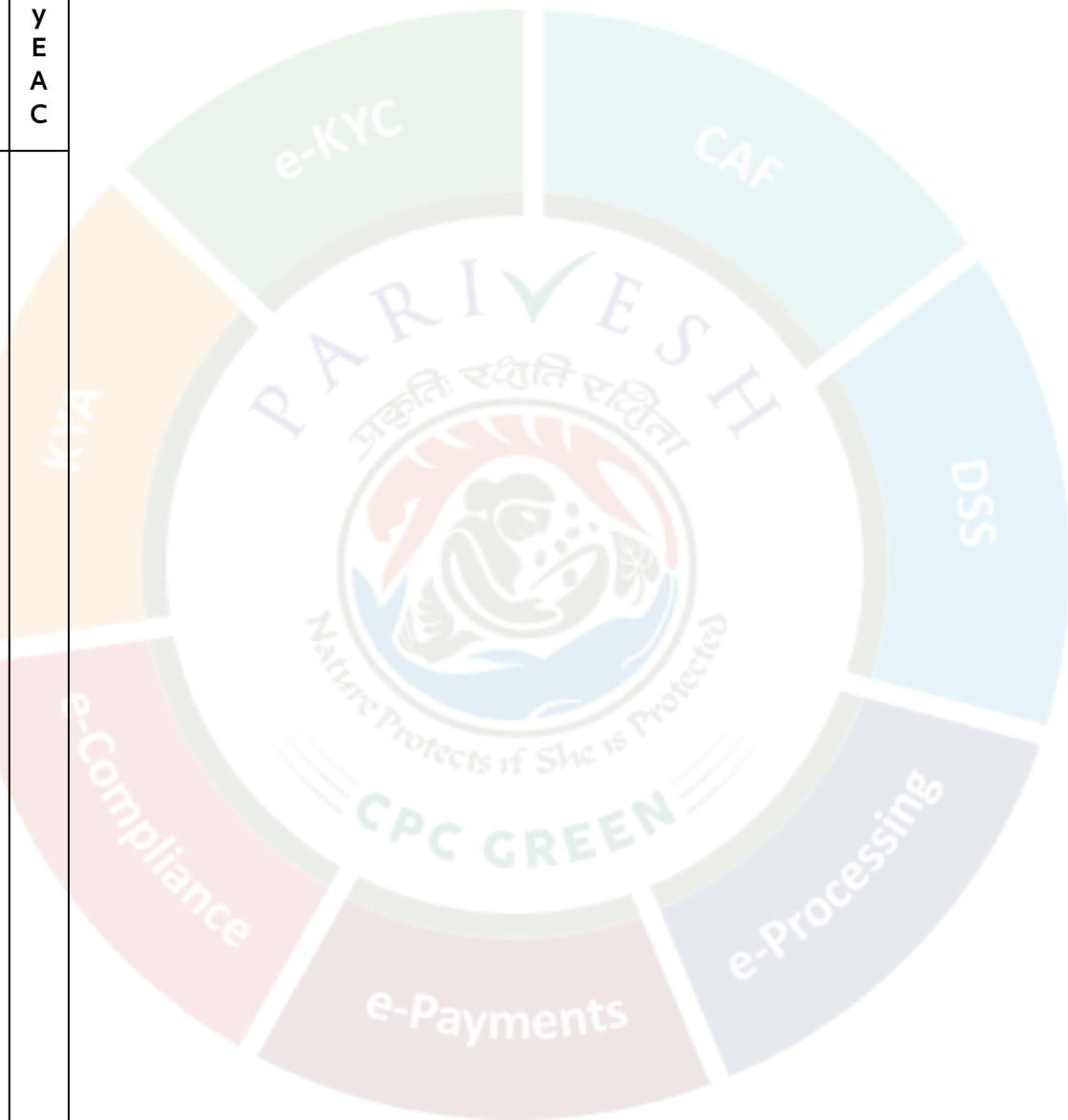
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	area and nearby villages.	
	Occupational noise exposure standards shall be complied with and work	Already prescribed by EAC



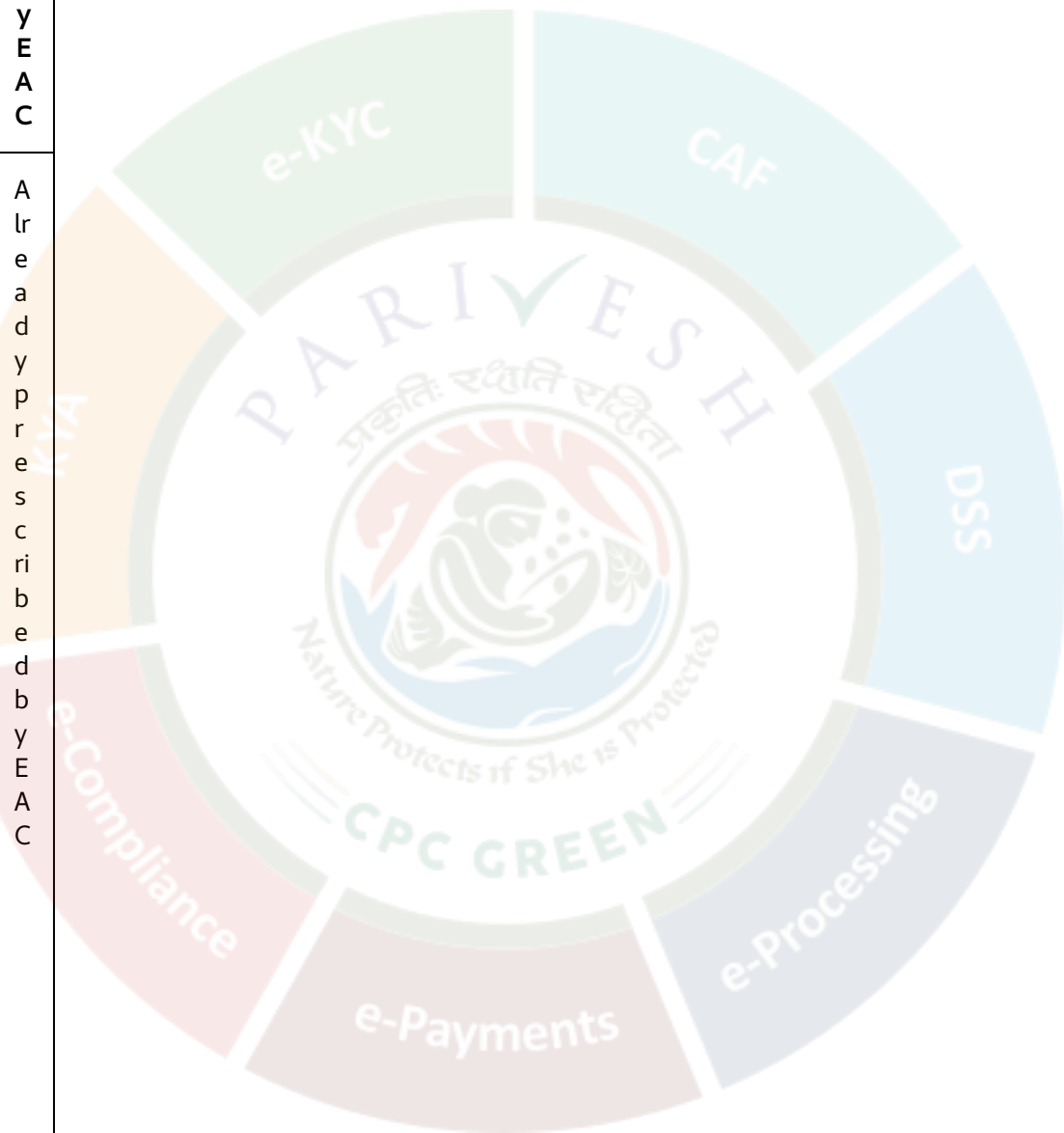
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	kers shall be provided PP Es.	
5. Waste Management:		
	Complete utilization plan for fly ash, ES P dust, mills scale, sla	Already prescribed by EAC



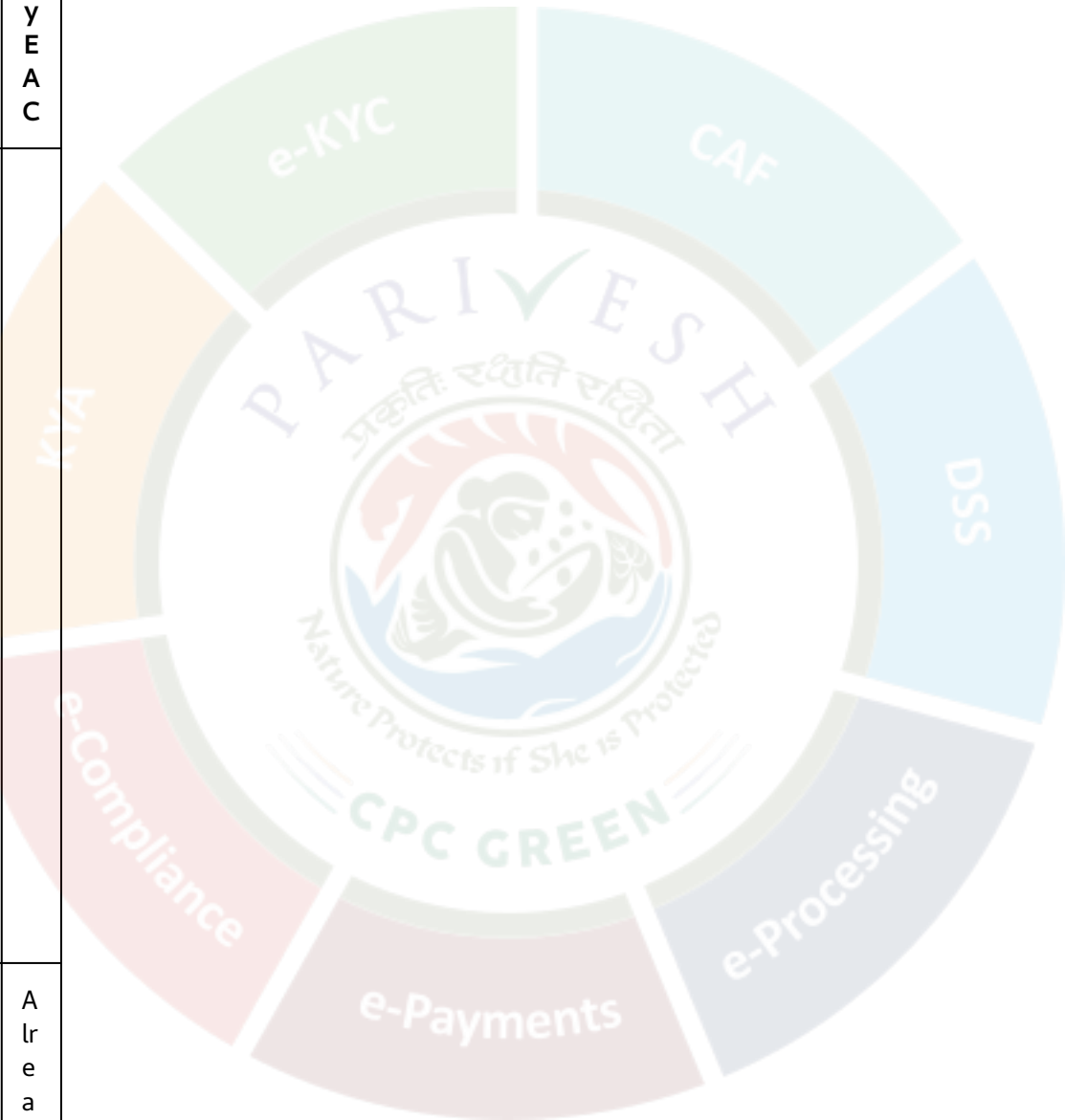
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	g, BF slag, LD slag, kiln accretion, coke breeze and other solid wastes shall be implemented.	



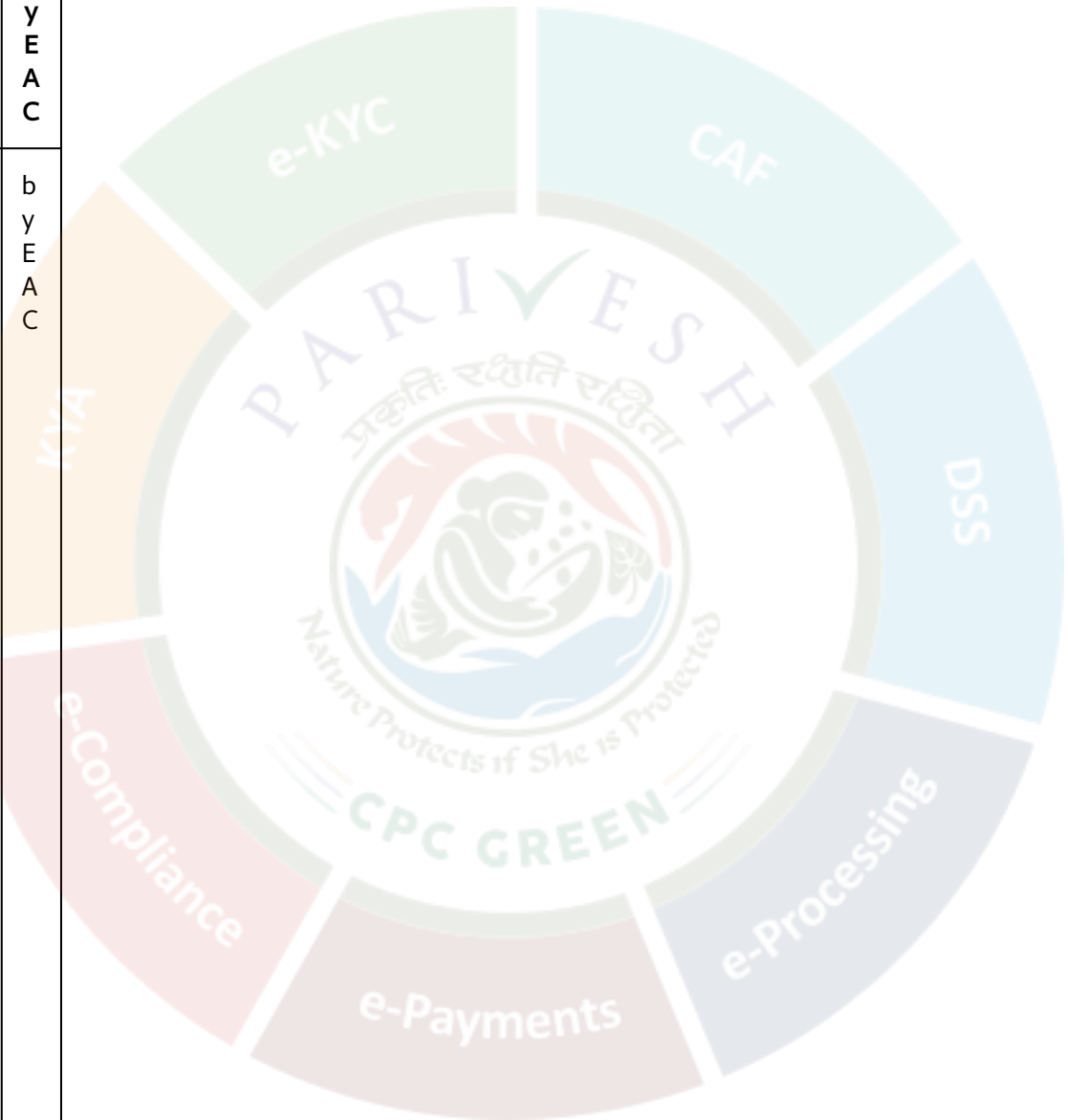
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Slag generated from iron and steel operation shall be scientifically processed and utilized in cement	Already prescribed by EAC



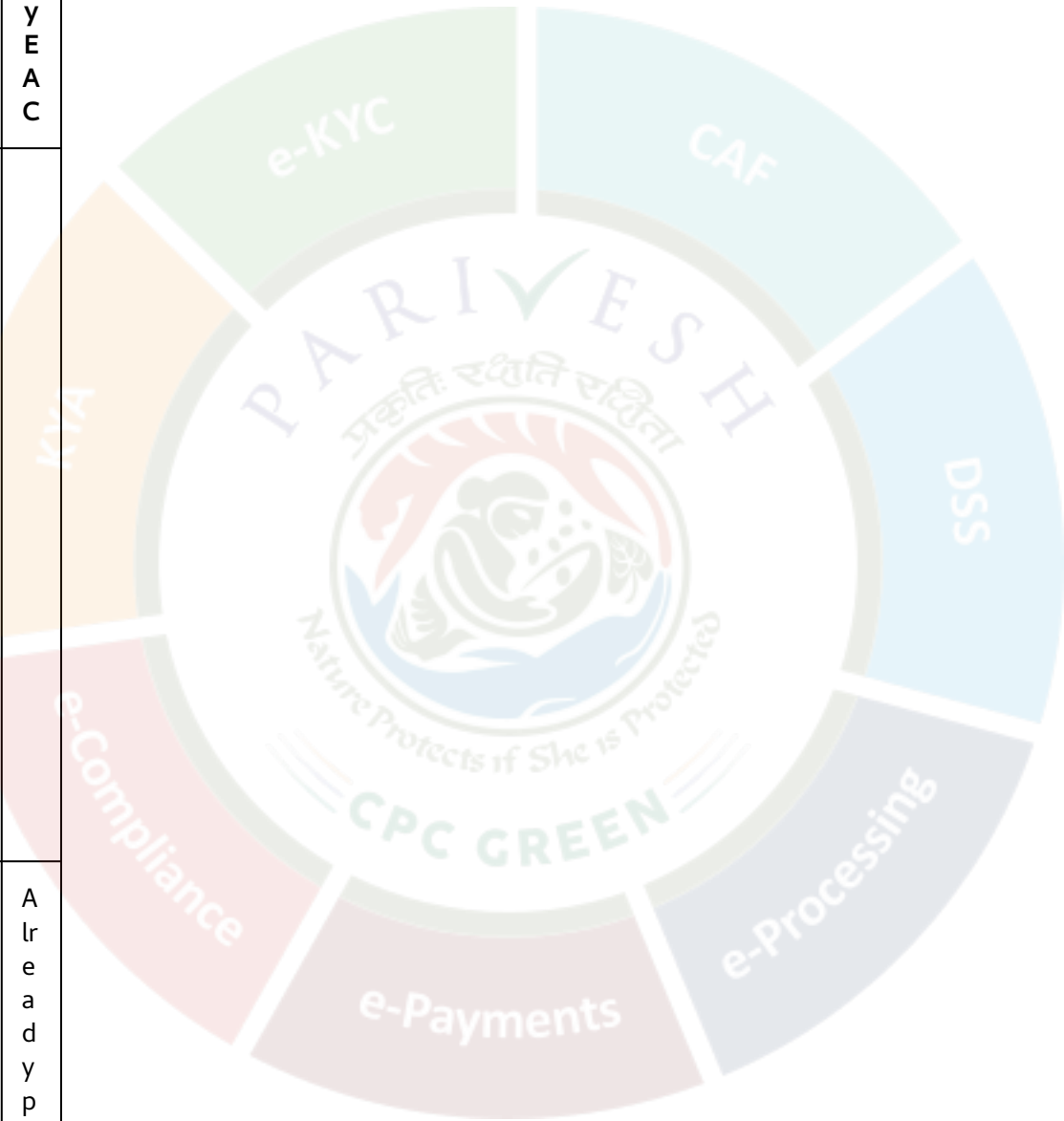
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ent, road making, construction or other approved uses.	
	Hazardous wastes including used oil	Already prescribed



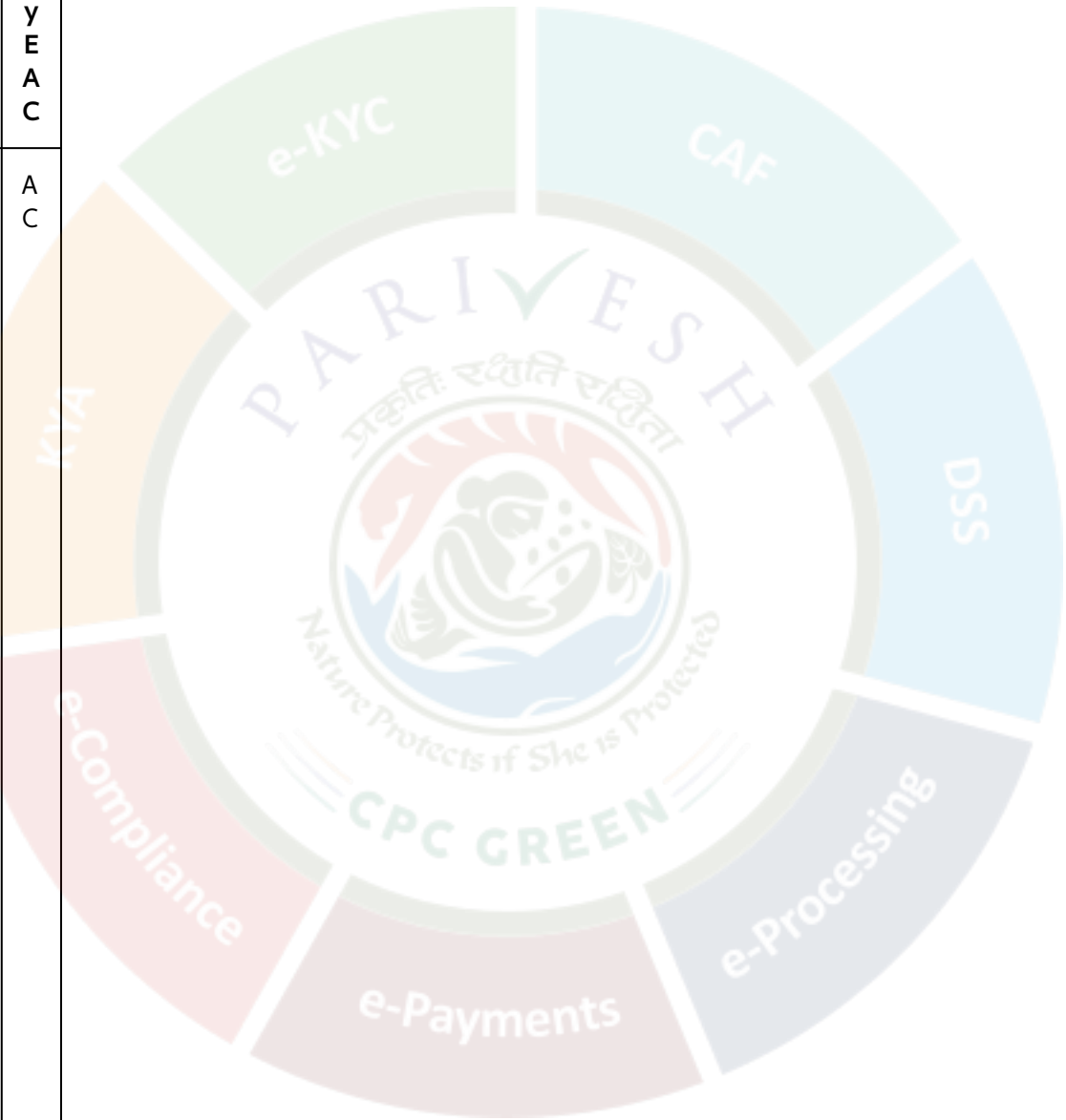
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	l, ET P s lu dg e, tar slu dg e, sp en t r efr ac tor ie s, ch e mi cal slu dg e e tc. sh all be st or ed an d dis po se d as	b y E A C



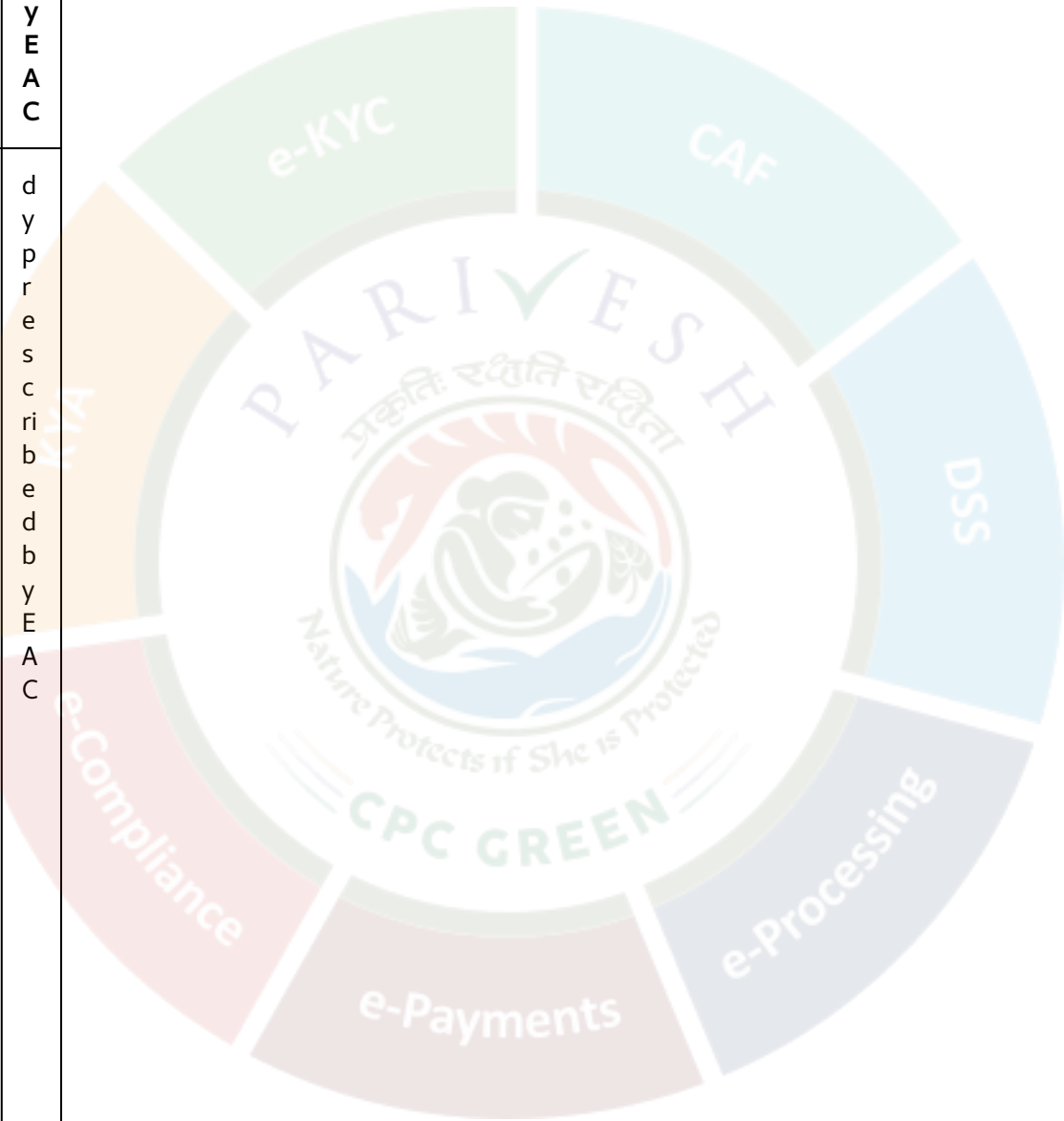
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	per Hazardous and Other Wastes Rules, 2016.	
	Dedicated covered storage area with impervious	Already prescribed by E



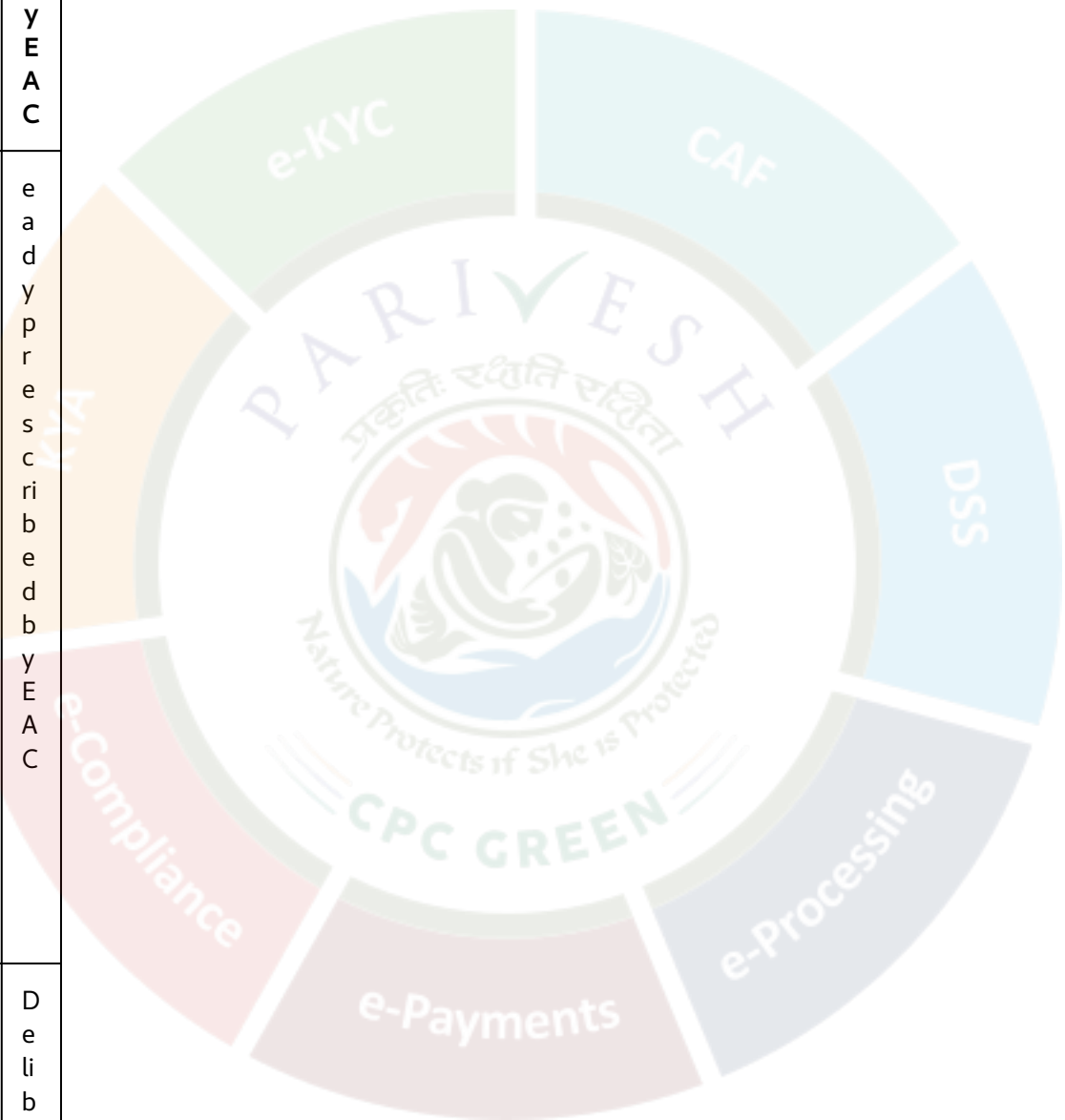
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ou s f lo ori ng an d l ea ch at e c oll ec tio n s yst e m sh all be de vel op ed for ha za rd ou s wa st es.	A C
Co al wa sh		A l r e a

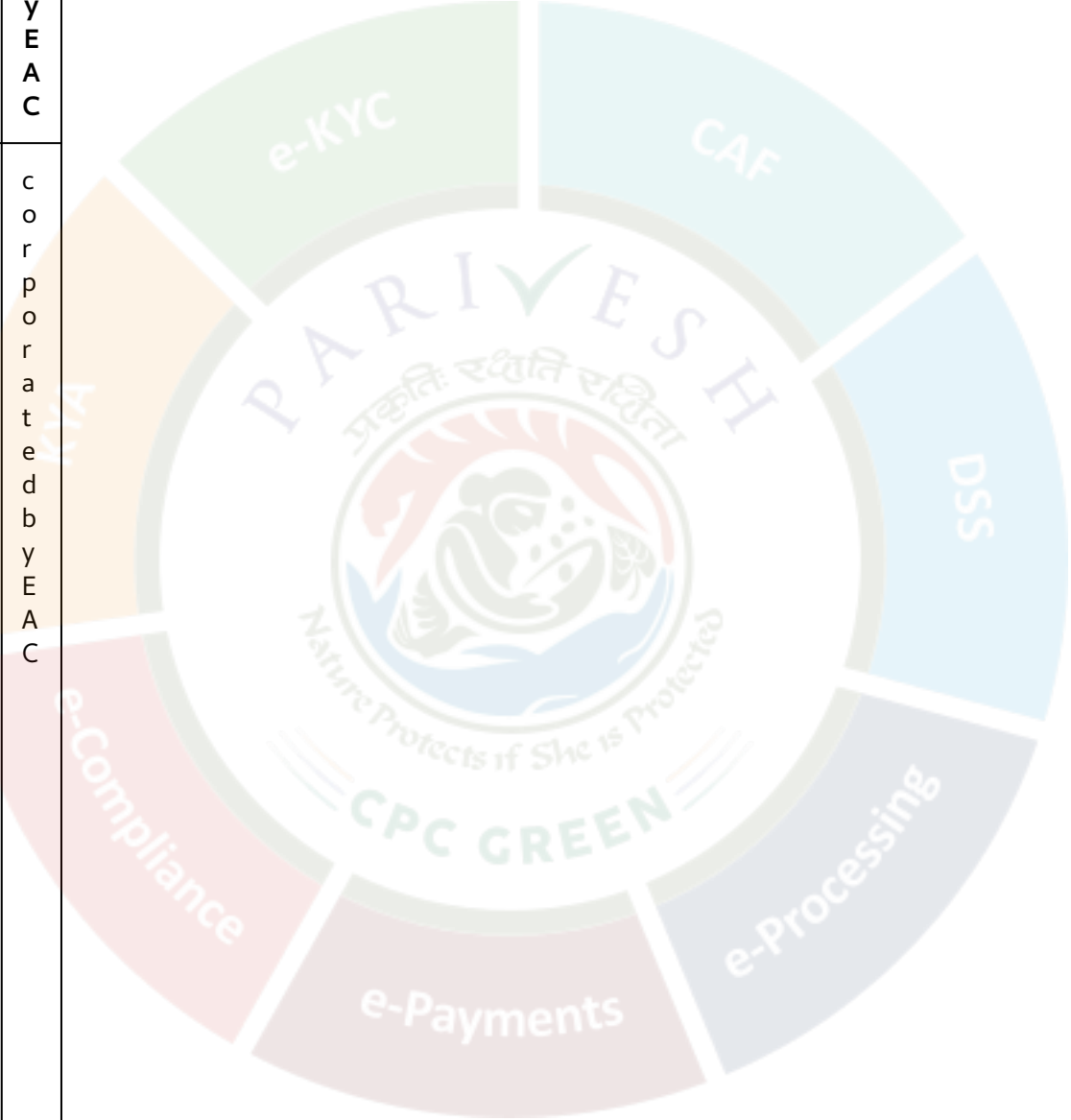


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	every reject utilization/disposal shall comply with applicable MoEF&CC and CP CB guidelines.	disposed by EAC
Fly as		A lr



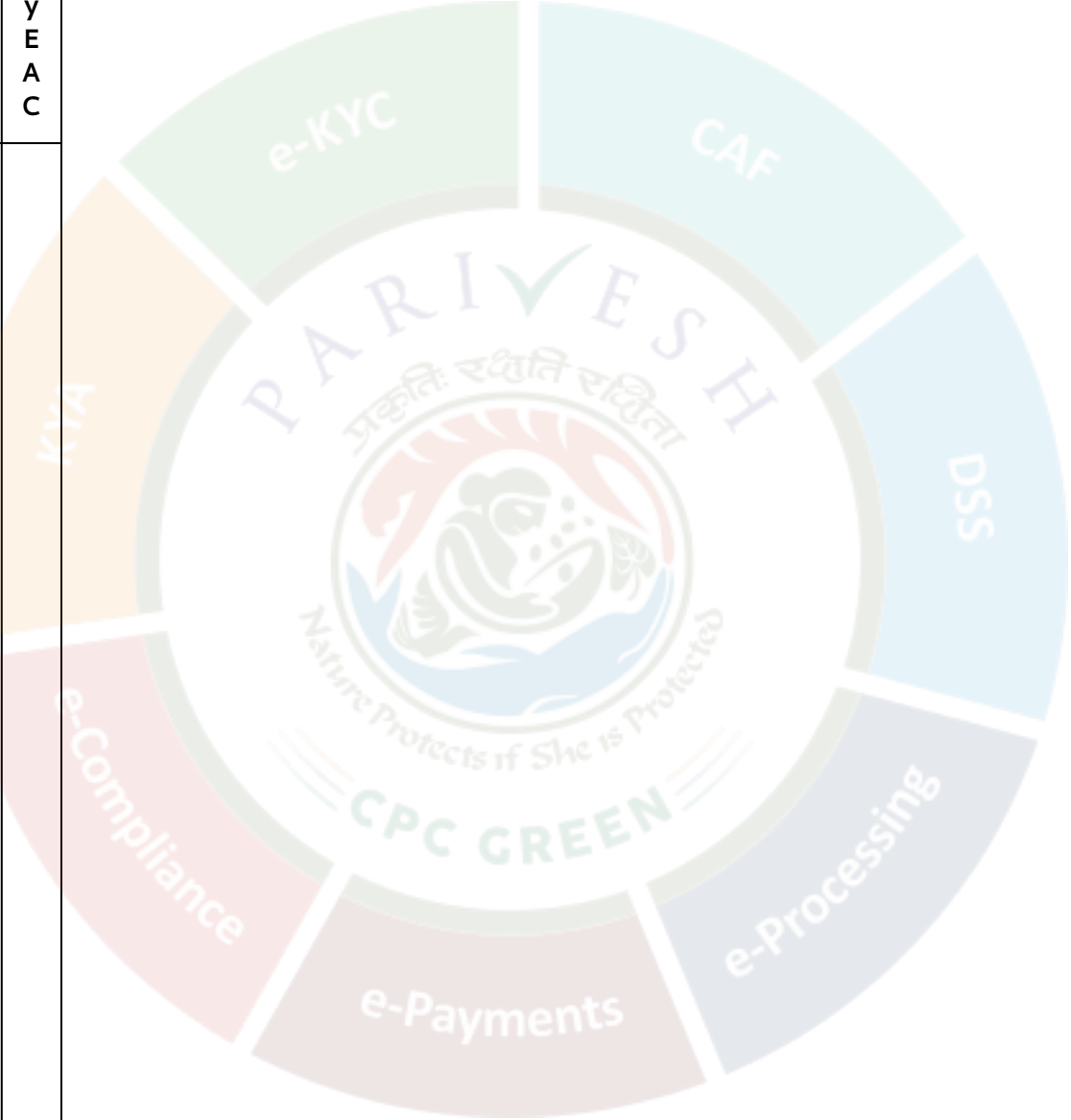
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	h utilization shall comply with latest F ly Ash No tifi ca tio n.	e a d y p r e s c r i b e d b y E A C
Tailings from beneficiati on plant shall no		D e l i b e r a t e d a n d i n



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	t be duly permitted in accordance with the minimum safety and health standards and shall be scientifically managed with stability analysis and monitoring	 The diagram is a circular framework for the Parivesh CPC Green initiative. At the center is the Parivesh logo, which features a stylized green tree and a blue bird, with the text 'PARIVESH' in a semi-circle above and 'CPC GREEN' in a semi-circle below. Below the logo is the tagline 'Nature Protects if She is Protected'. Surrounding the central logo is a ring divided into eight colored segments, each representing a different aspect of the framework: e-KYC (green), CAF (light blue), DSS (blue), e-Processing (grey), e-Payments (brown), e-Compliance (red), and two unlabeled segments (orange and yellow). The text 'Deliberation by EAC' is written vertically on the right side of the diagram.

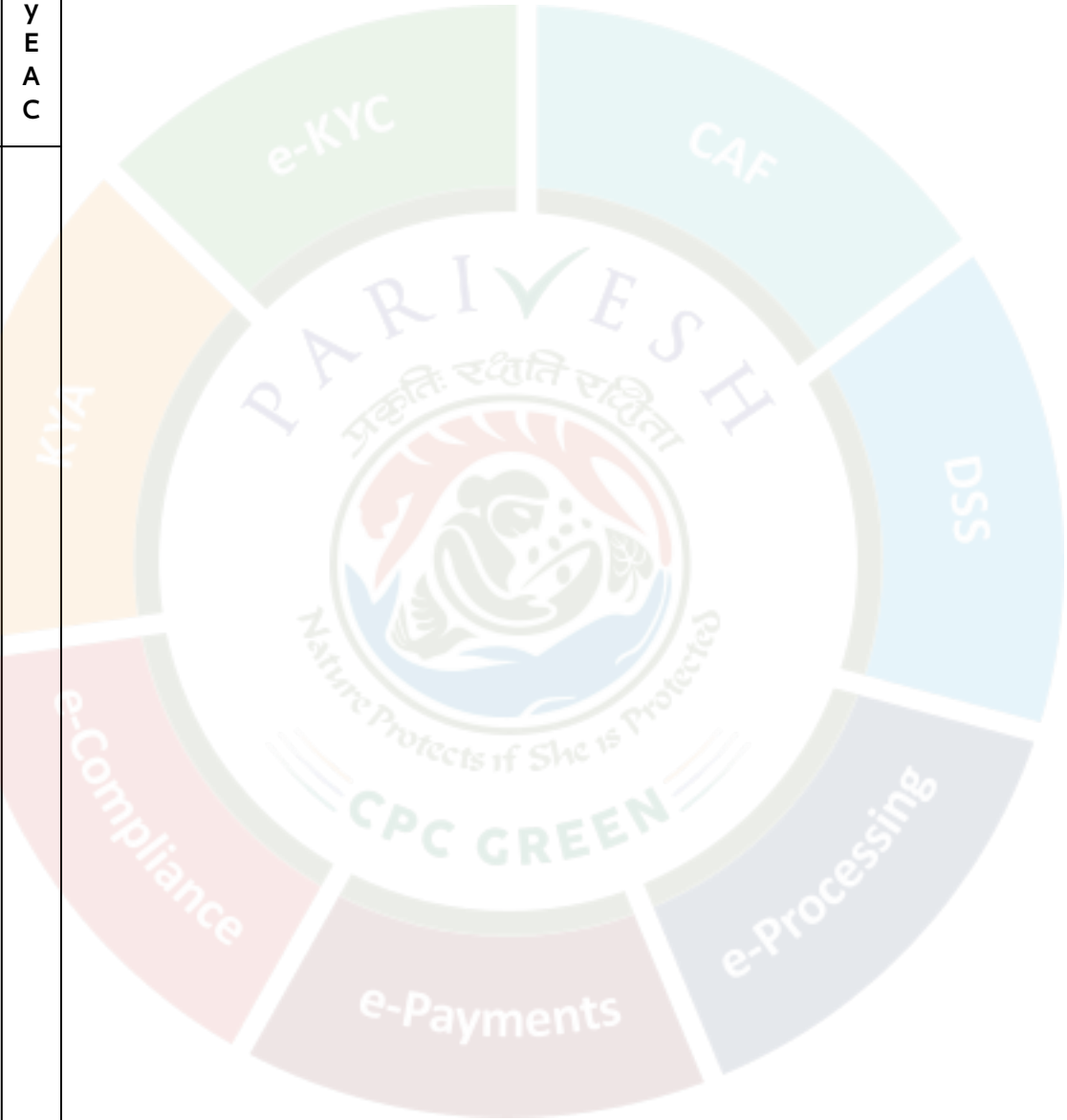
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ring.	
	Project proposals shall comply all the provisions of Plastic Waste Management Rules,	Already prescribed by EAC



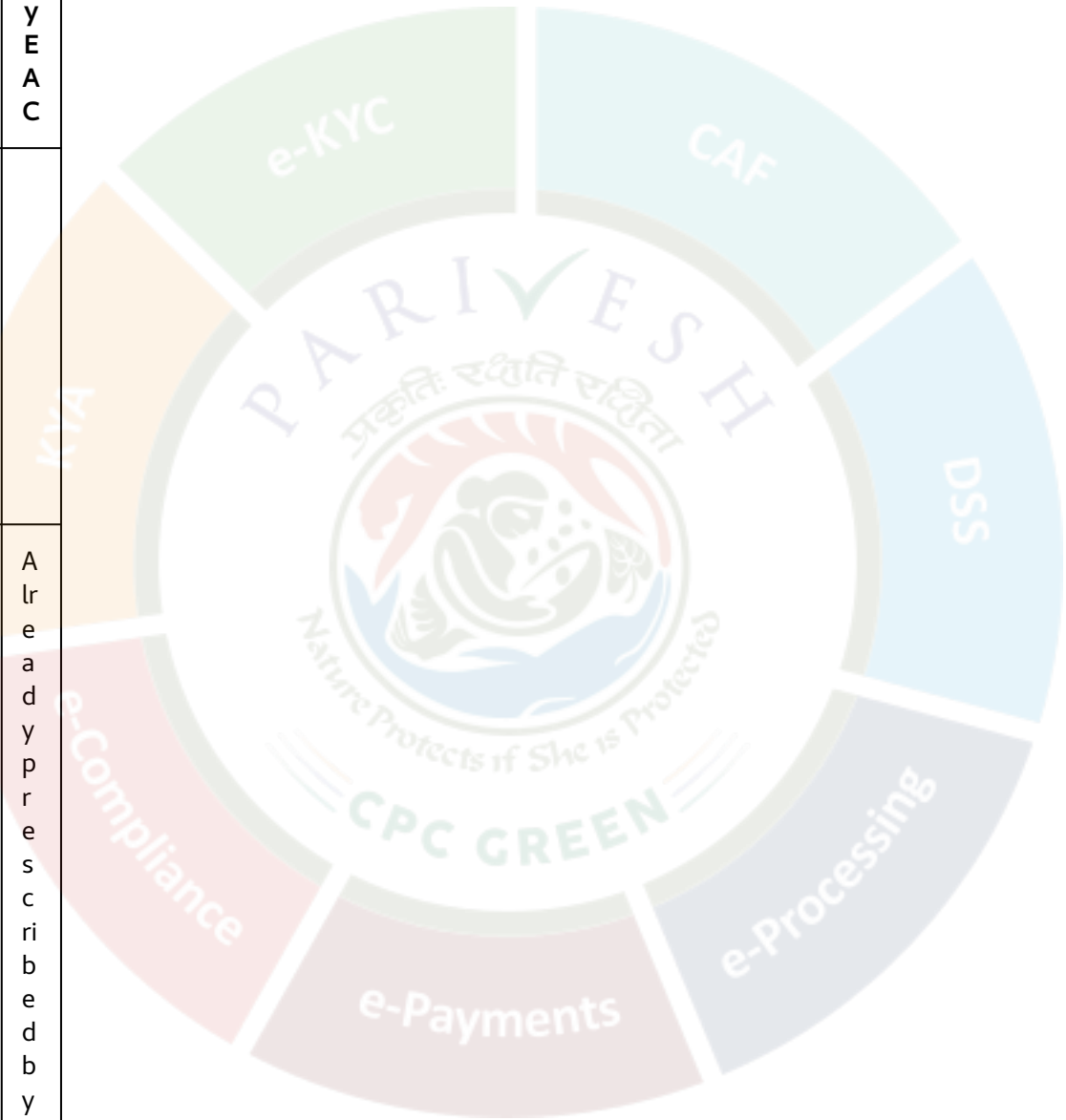
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	2016, Solid Waste Management Rules, 2016, E-Waste Rules, 2016, Construction & Demoli	 The diagram is a circular infographic for CPC GREEN. At the center is a logo with a green tree and the text 'PARIVESH' in a semi-circle above it, and 'CPC GREEN' in a semi-circle below it. Below the logo is the tagline 'Nature Protects if She is Protected'. Surrounding the center are eight colored segments, each representing a different initiative: e-KYC (green), CAF (light blue), DSS (blue), e-Processing (grey-blue), e-Payments (brown), e-Compliance (red), KVA (orange), and e-KYC (green).

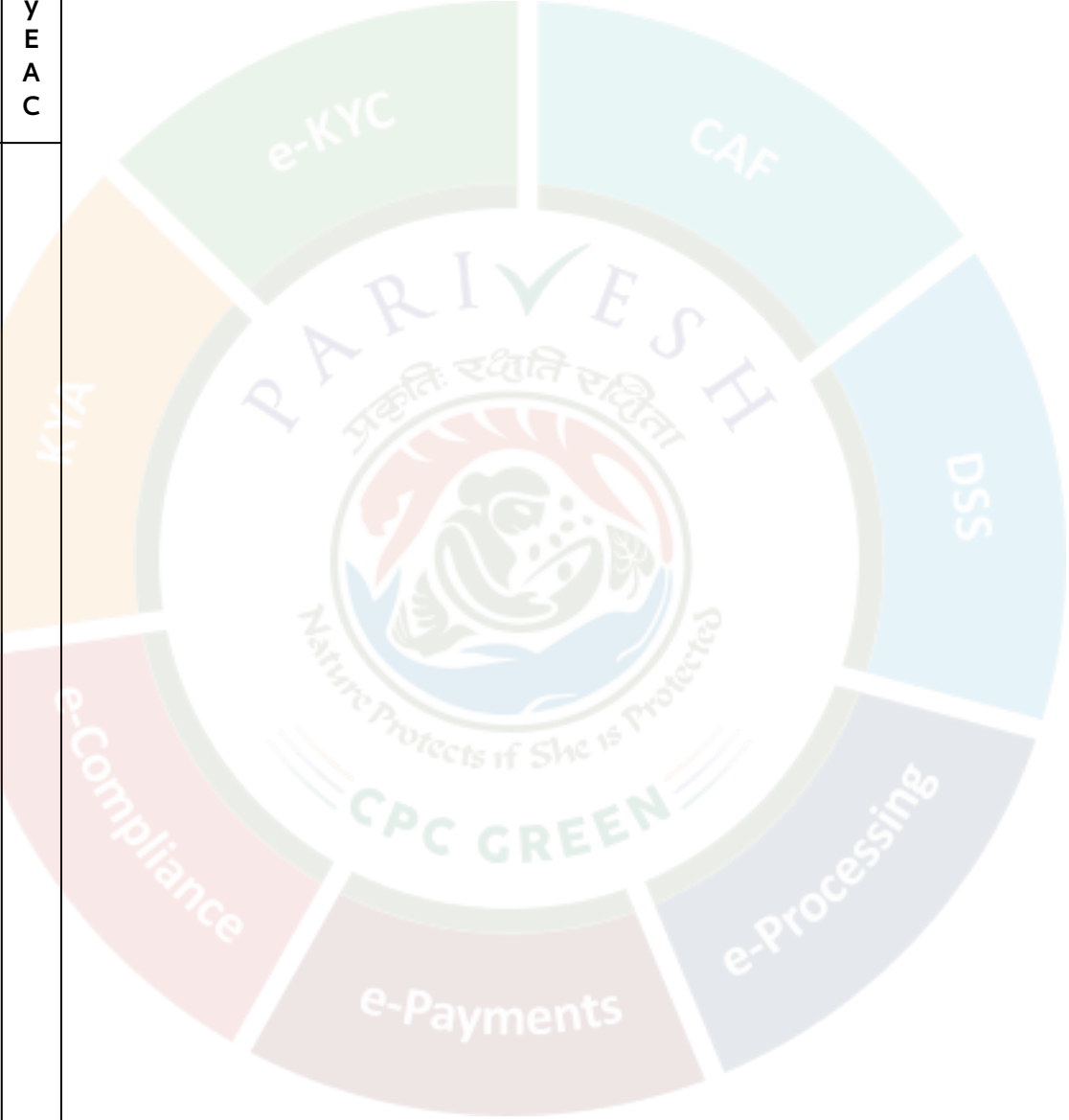
S.L.N o.	En vir on m en tal Sa fe gu ar d / Co nd iti on	D e li b e r a ti o n b y E A C
	tio n W ast e M an ag e m en t R ule s, 20 1 6.	
	Pr oje ct pr op on en t s ha l l c o m p ly wi th th e pr ovi sio n	A l r e a d y p r e s c ri b e d b y E A C



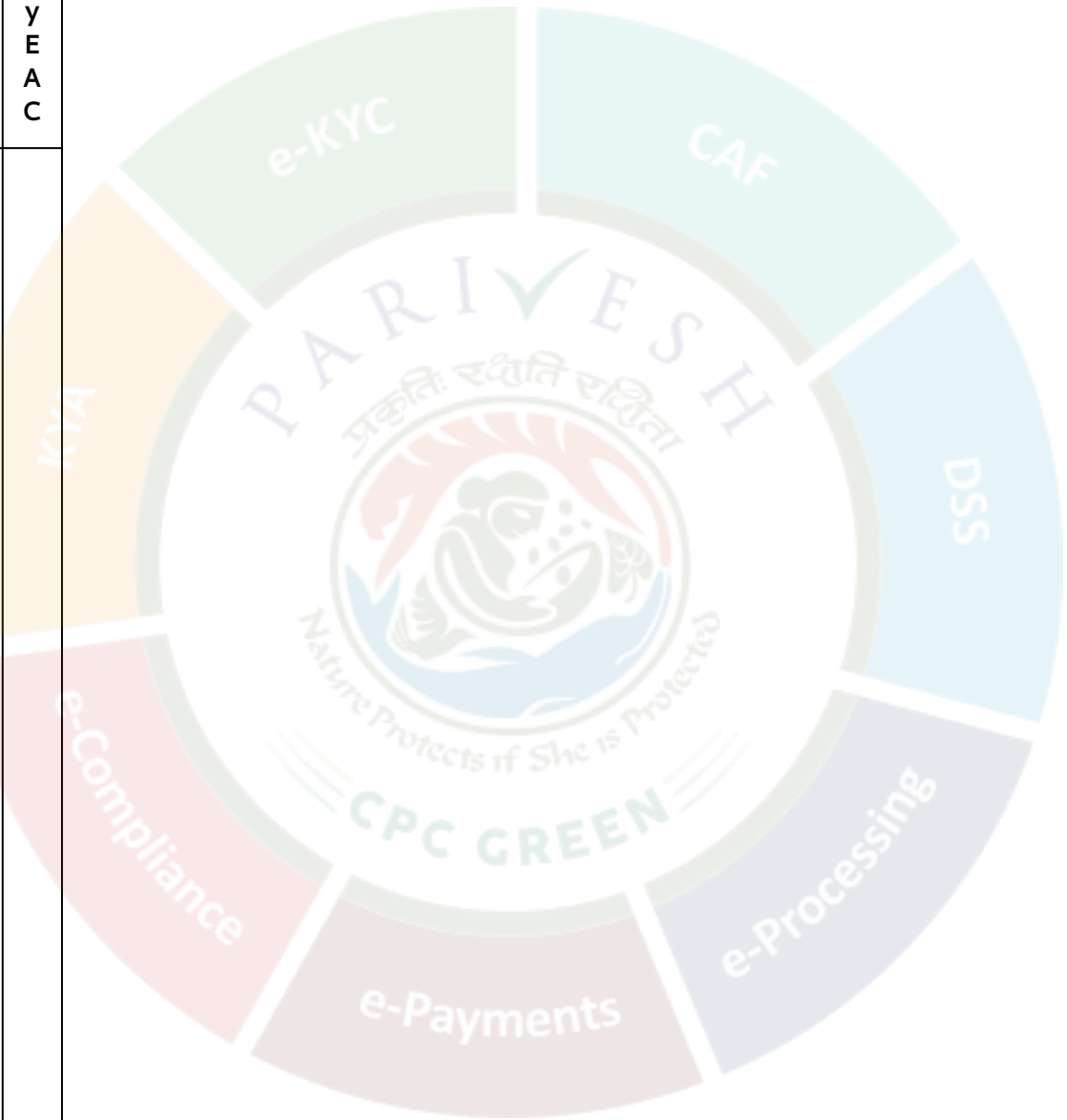
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	 The diagram is a circular infographic for CPC GREEN. At the center is a logo with a green tree, a blue bird, and a green leaf, surrounded by the text 'PARIVESH' in a semi-circle and 'प्रकृति रक्षति रक्षितः' in Devanagari script. Below the logo is the text 'Nature Protects if She is Protected' and 'CPC GREEN' in green. Surrounding the center are eight colored segments, each representing a different initiative: e-KYC (green), CAF (light blue), DSS (blue), e-Processing (grey), e-Payments (brown), e-Compliance (red), KVA (orange), and e-KYC (green).

S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	(as amended till date).	
	Project proponents shall ensure utilization of fly ash, bottom ash and le	Already prescribed by EAC



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	gacy as h (unutilized accumulated as h) as per provisions of notification dated 31/12/2021 (as	

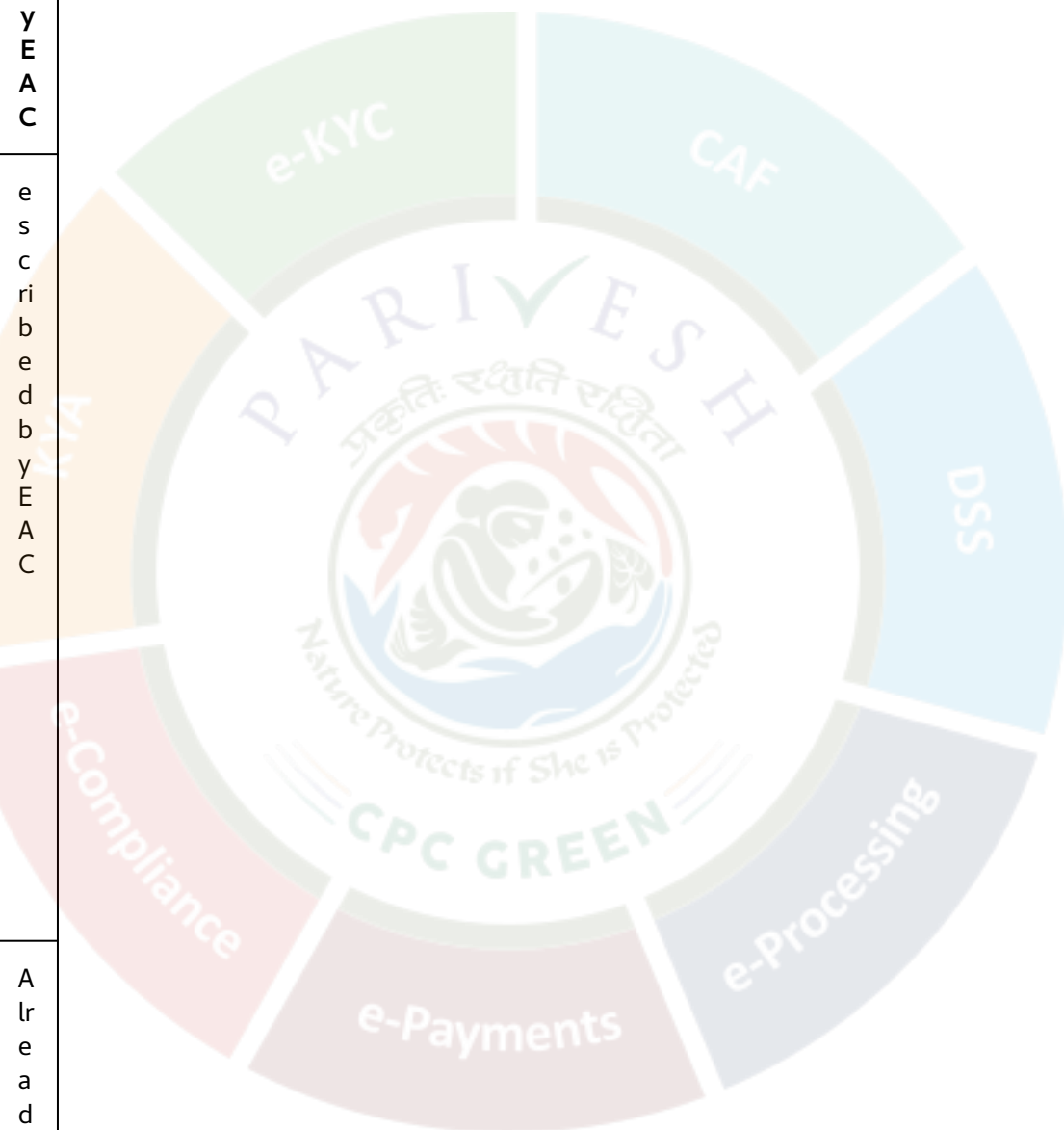
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	amended on dated 30/12/2022) issued by MoEF & CC regarding utilization of ash.	
6. Rain Water Harvestin		



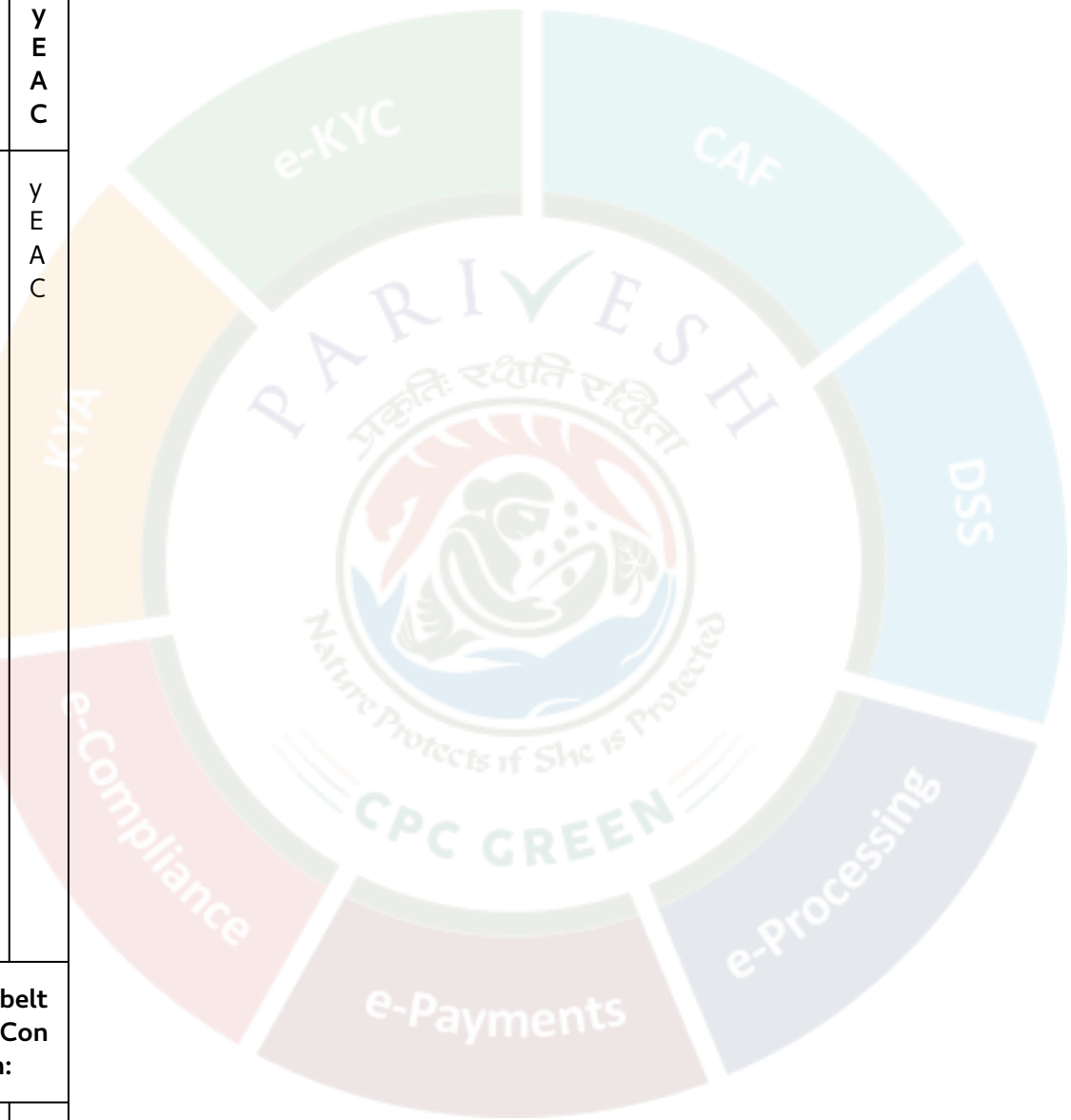
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
g:		
	The recharge pits are to be constructed for recharging the rain water.	Already prescribed by EAC
	Rain water harvesting	Already prescribed



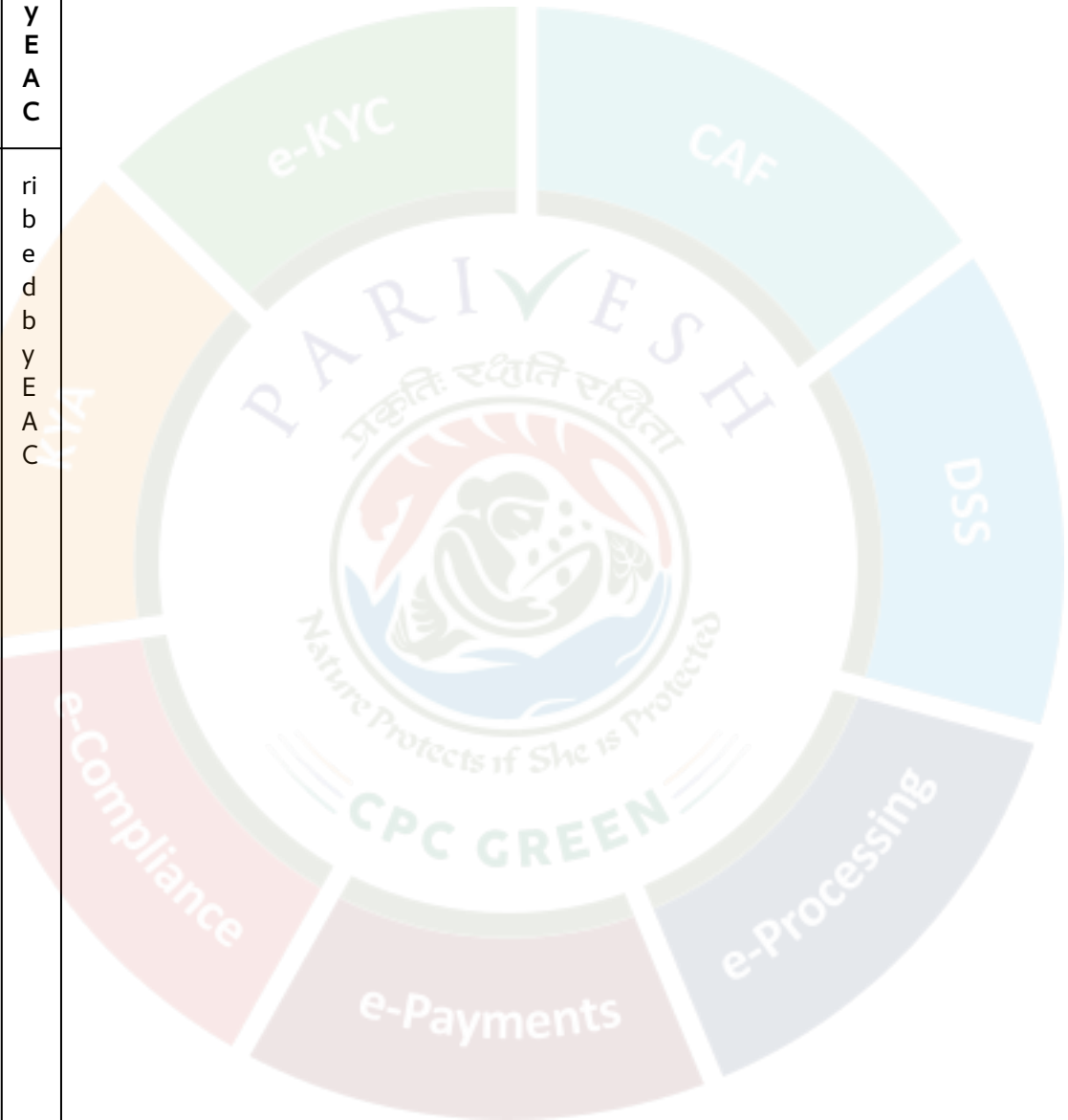
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	structures shall be developed within plant premises.	esscribed by EAC
	Rain water to be collected and used for re	Already prescribed by EAC



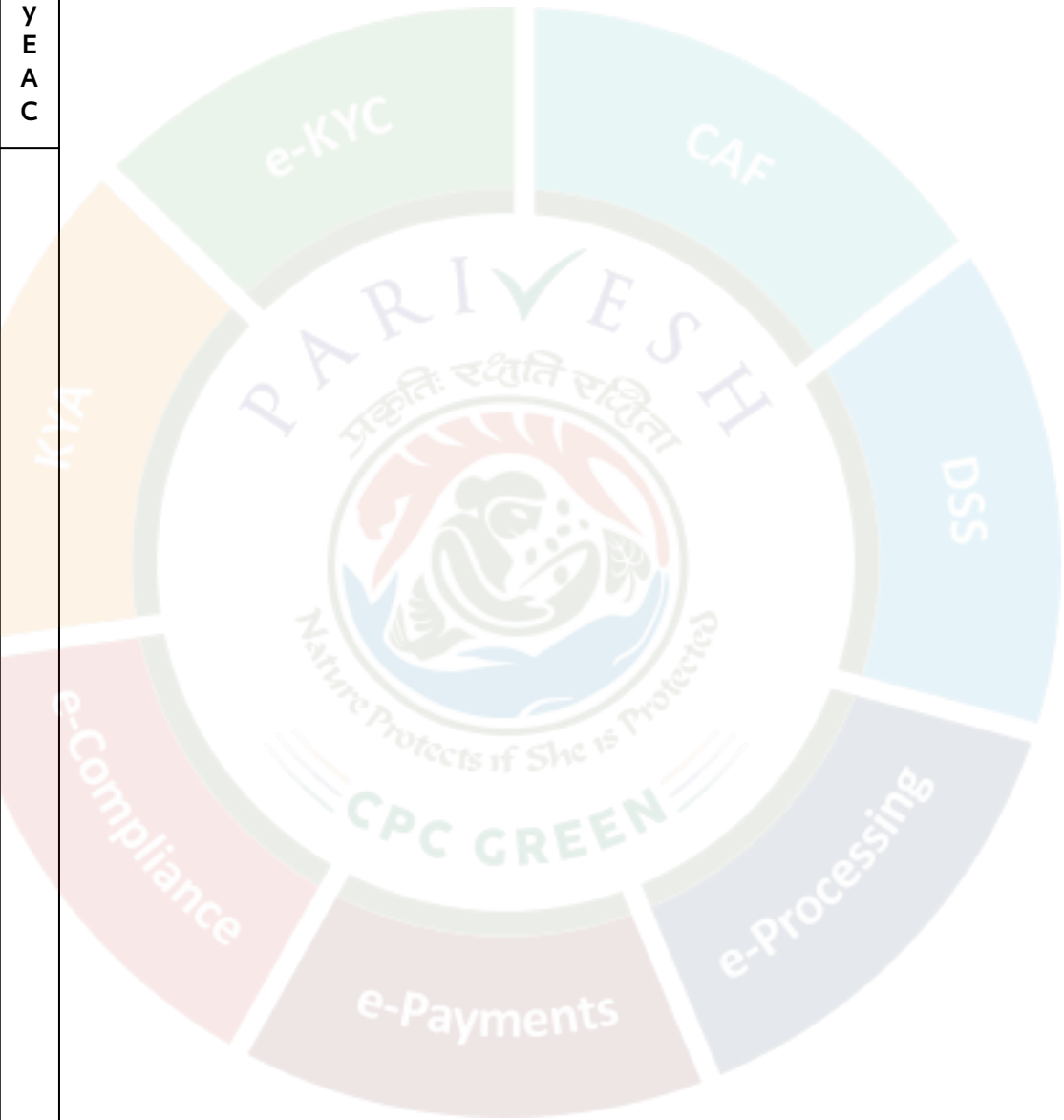
S.L. No.	Environmental Safeguard / Condition	Delegation by EAC
	charging ground water table and to be used in lean season.	YEAC
7. Greenbelt and Soil Conservation:		
	Green belt of adjacent watershed	Areaddy presc



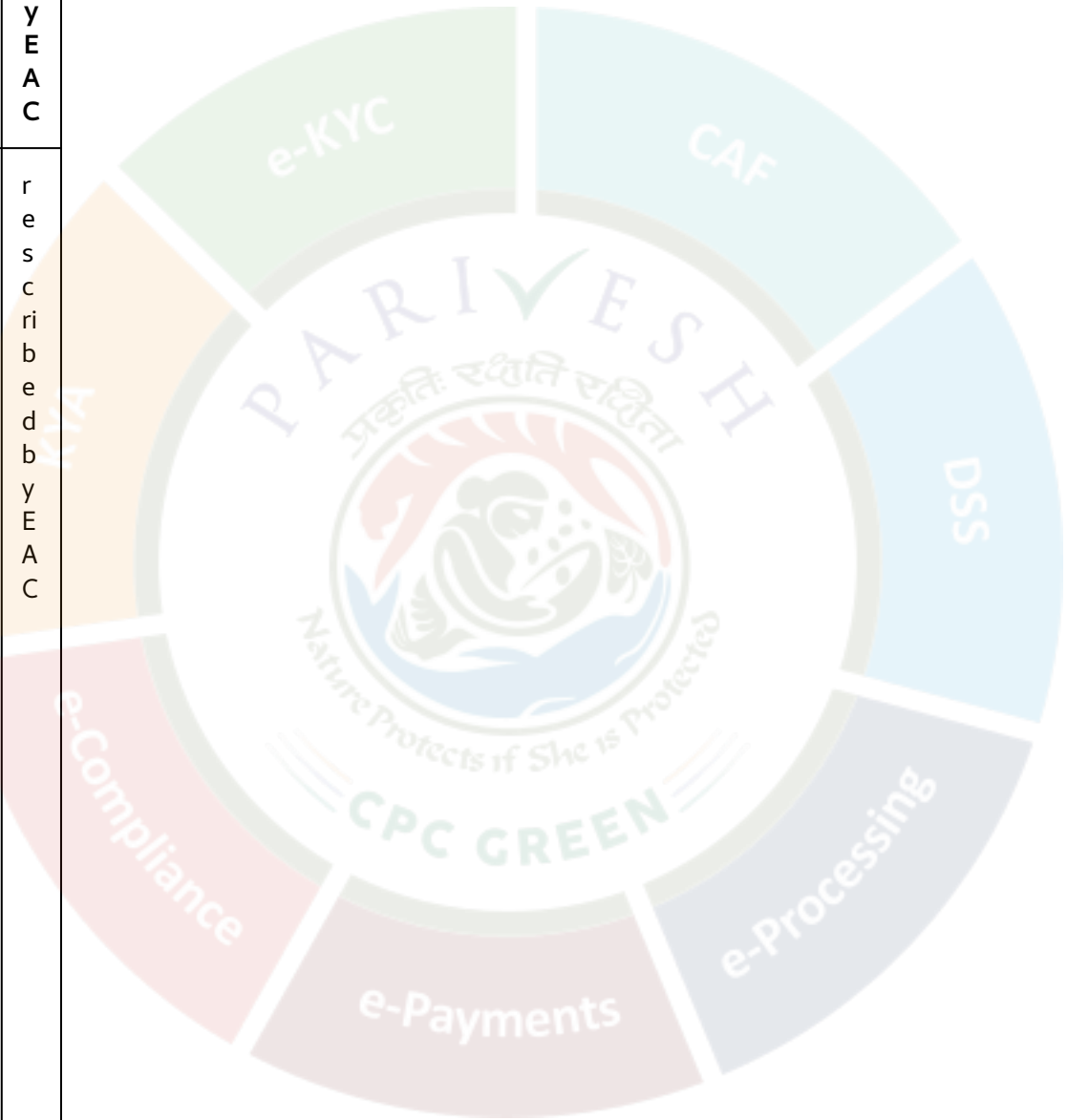
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	dt h with the dense plantation using native species shall be developed over at least 33% of total project	rib ed by EAC



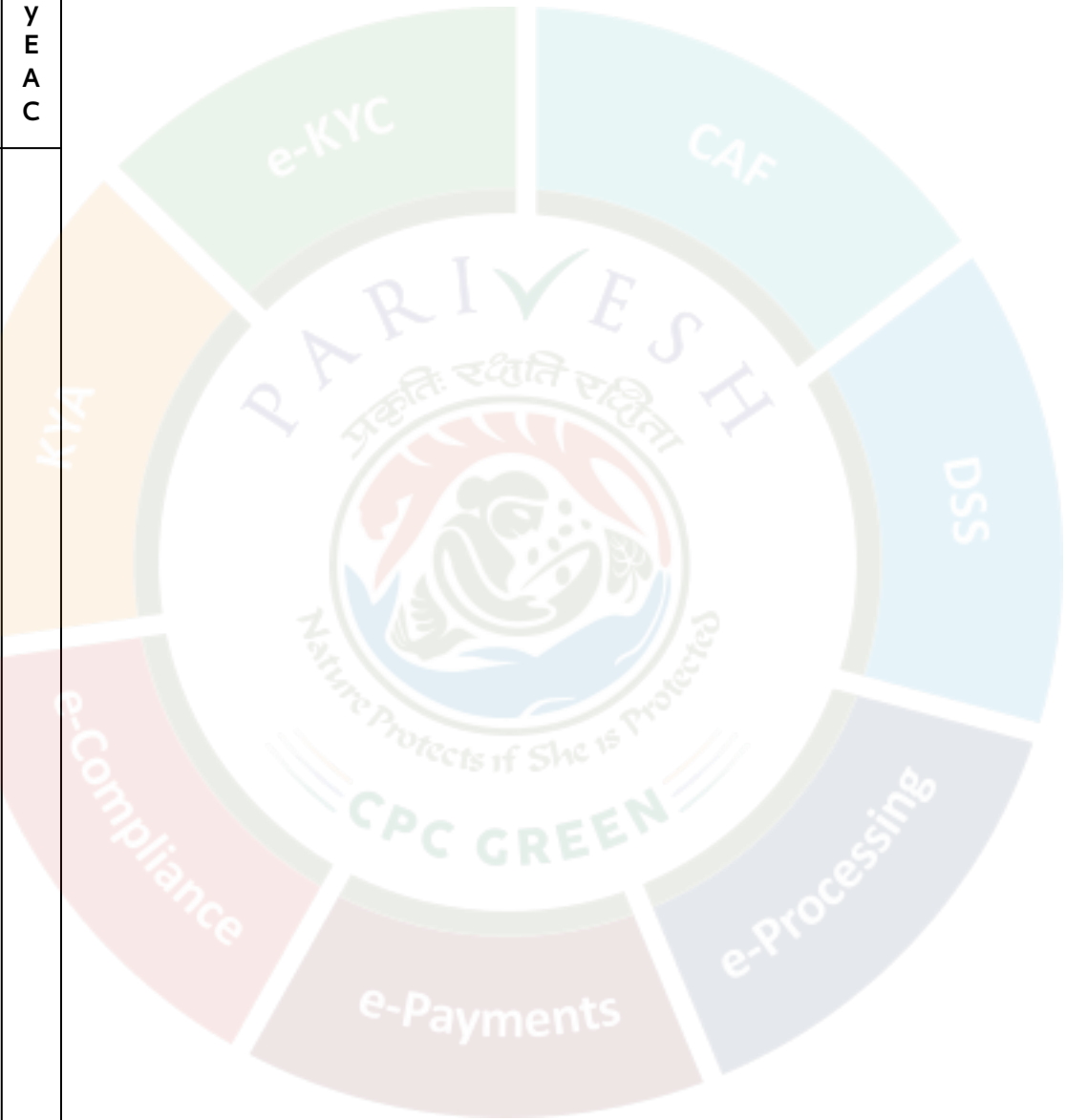
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	area, particularly along plant boundary, road sides and near habitations.	
8. Other Conditions :		
	Investment's lab giving	Already ady p



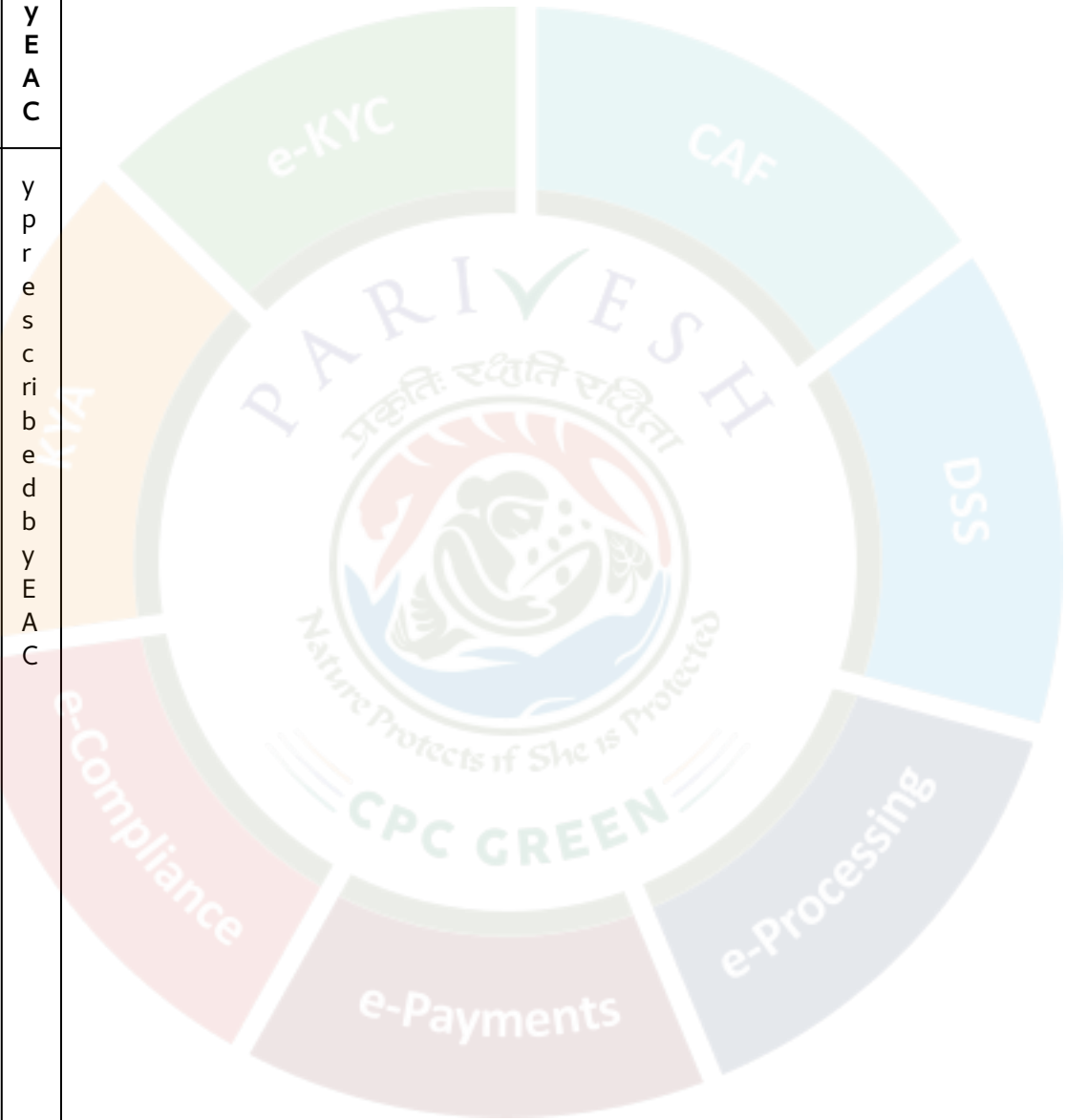
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	in Environmental Clearance i ncreases (if any) by the time of application for obtaining Consen	re scribed by EAC



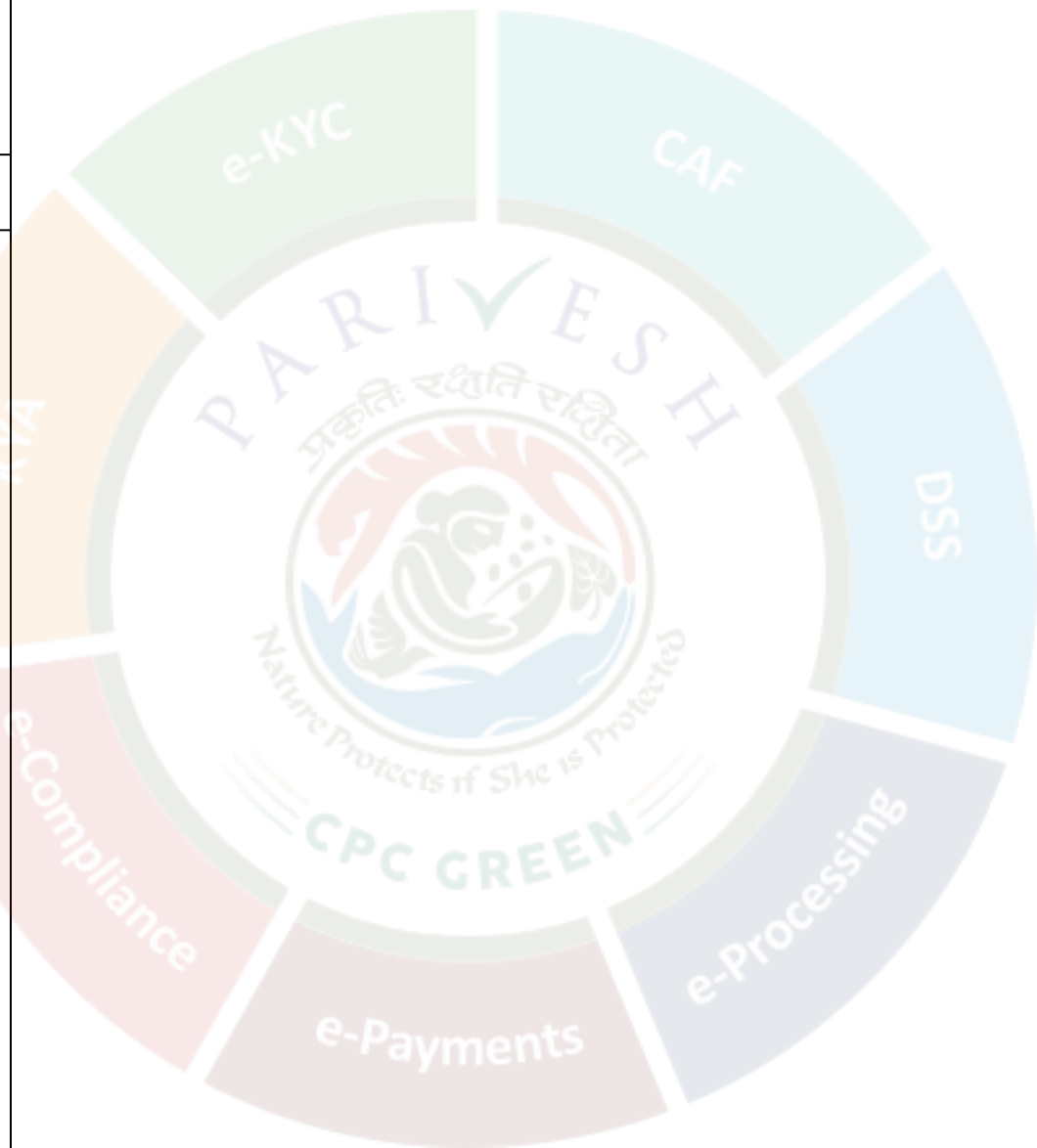
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	to Ope rate from CE C B, Project prop on en t s hal l p ay dif fer en ce fe es as pe r r ule s.	
In du str y s hal		A lr e a d



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	To obtain all the land documents mentioned in EC and shall submit at the time of applying for CT	To obtain all the land documents mentioned in EC and shall submit at the time of applying for CT



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	O.	
	Project Proponents shall obtain NOC from Grampanchayat before CT O application.	Already prescribed by EAC
	Ap	A

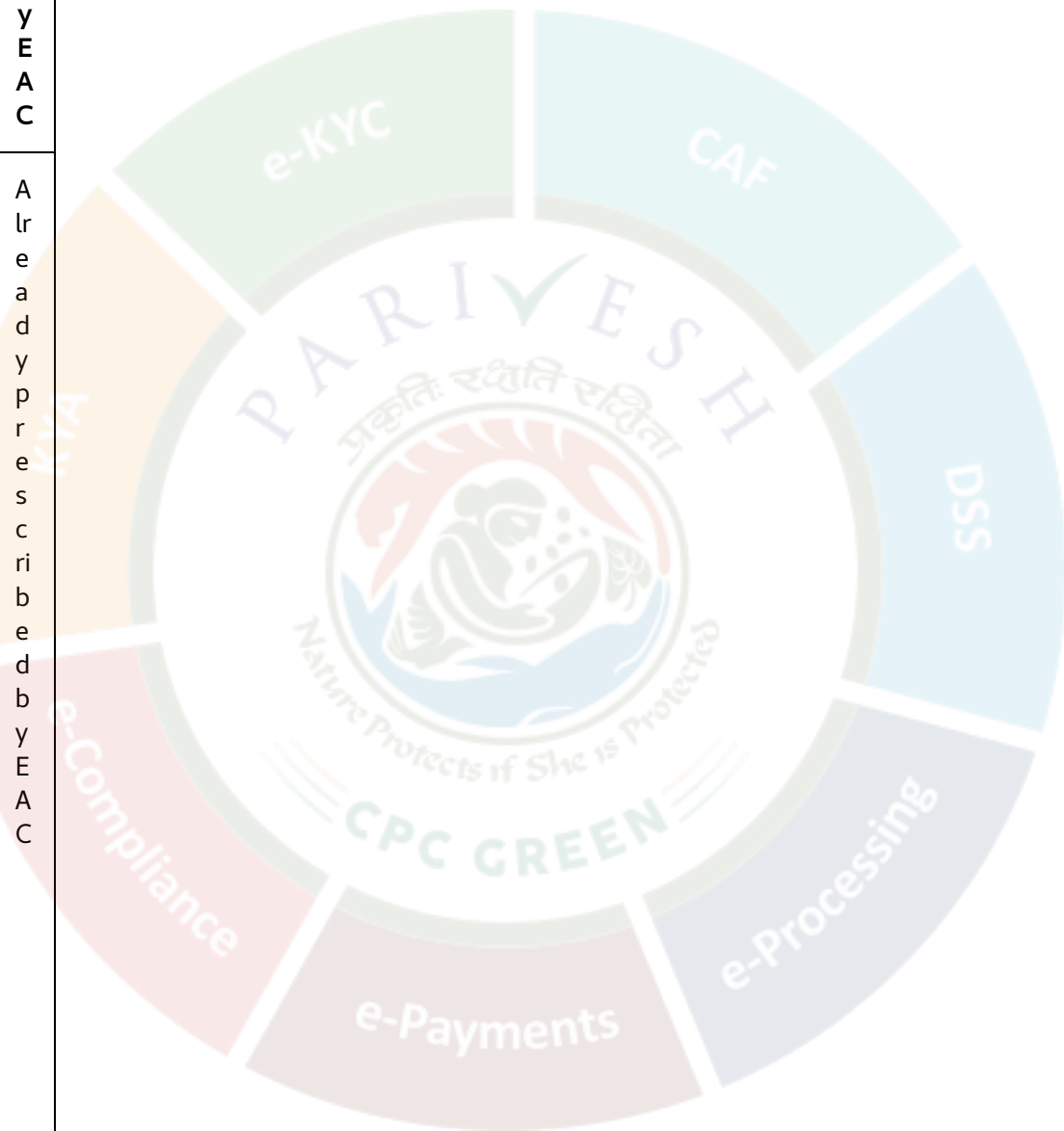


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	appropriate water and air pollution control systems should be installed before applying for Consent to	readily prescribed by EAC

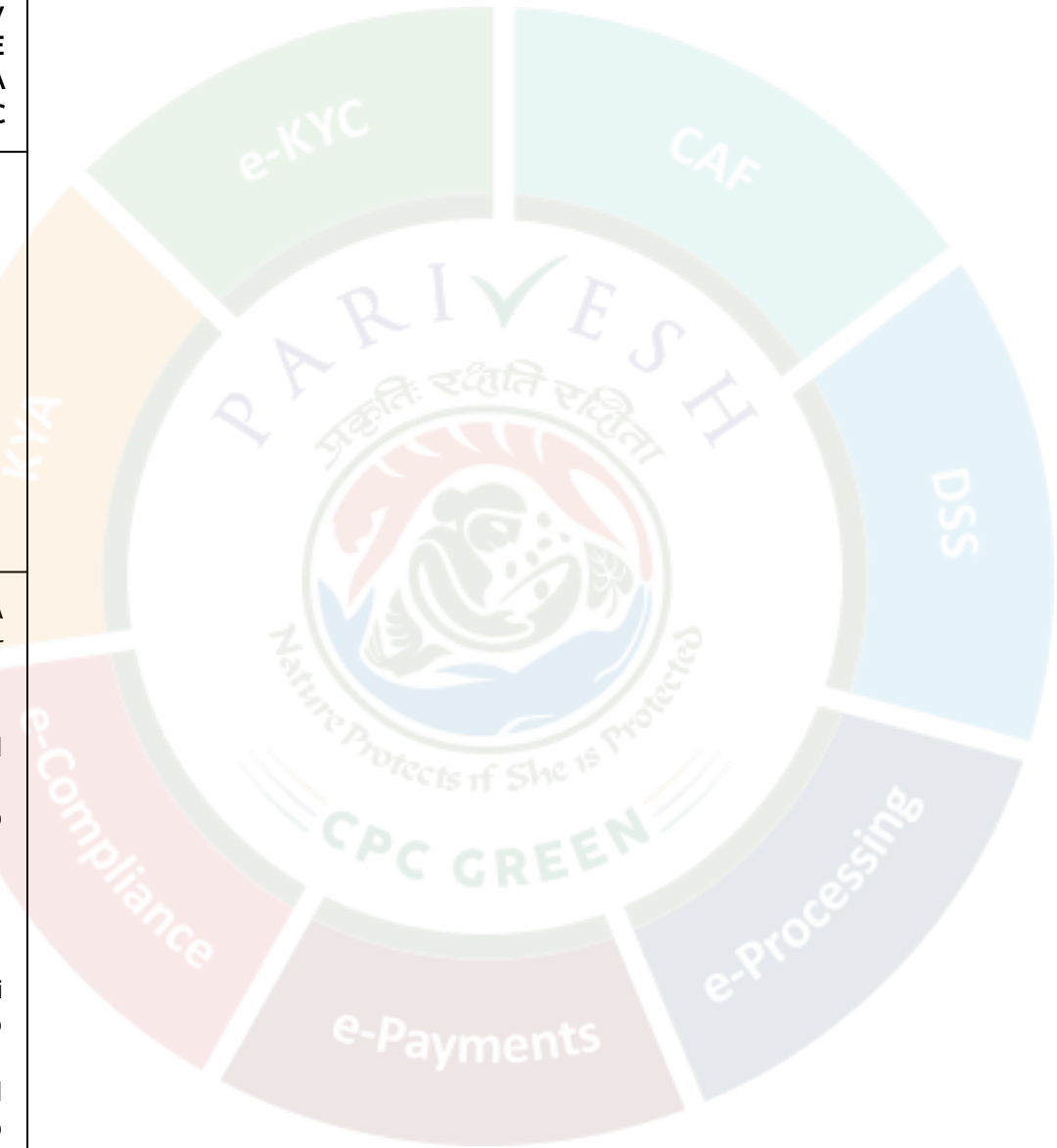
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Operate.	
	Coal, coke breeze, fly ash and fine materials shall be stored in covered sheds/silos.	Already prescribed by EAC



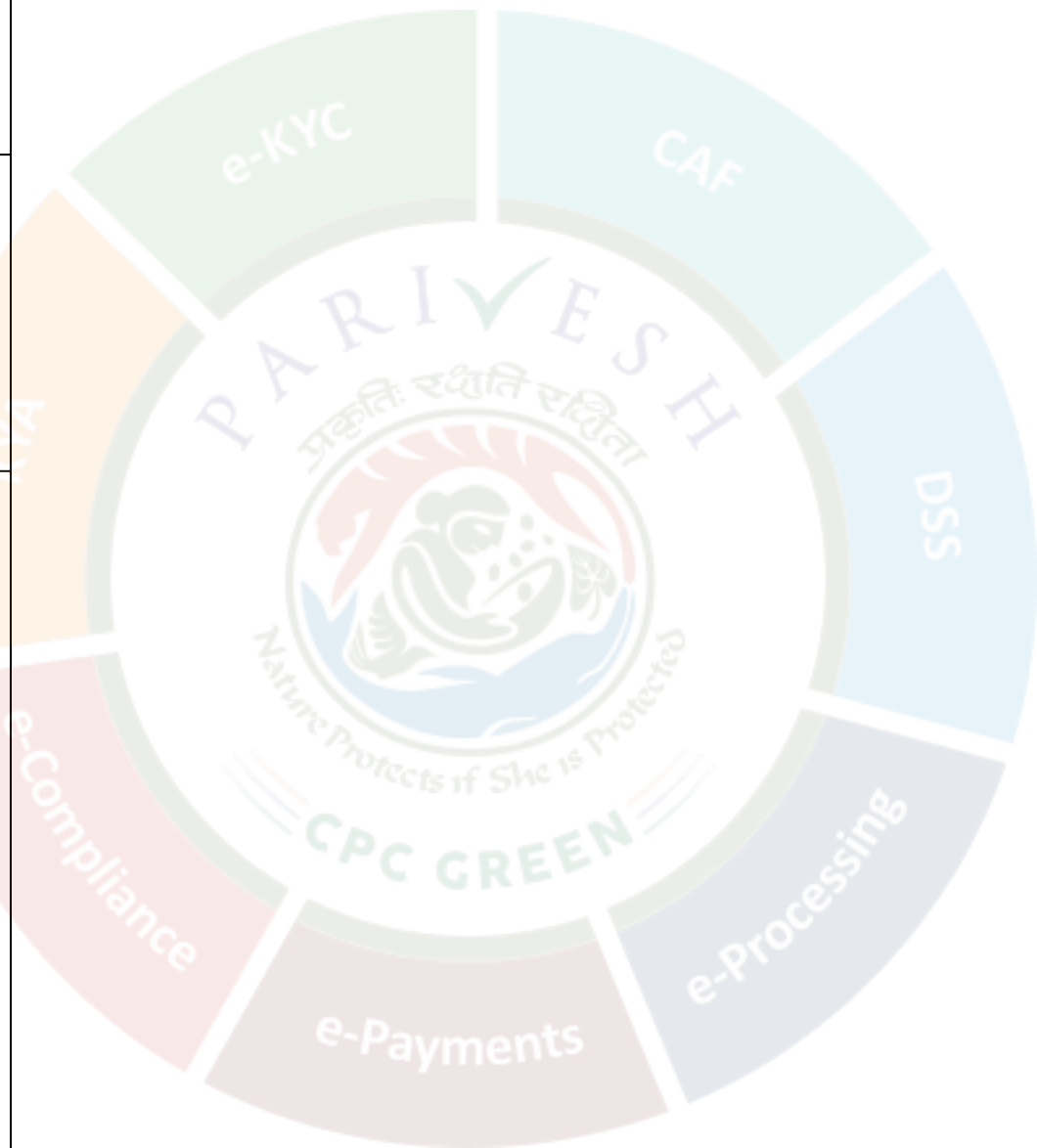
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Coke Oven chemical tars, oil and other hazardous chemicals shall be stored with secondary containment	Already prescribed by EAC



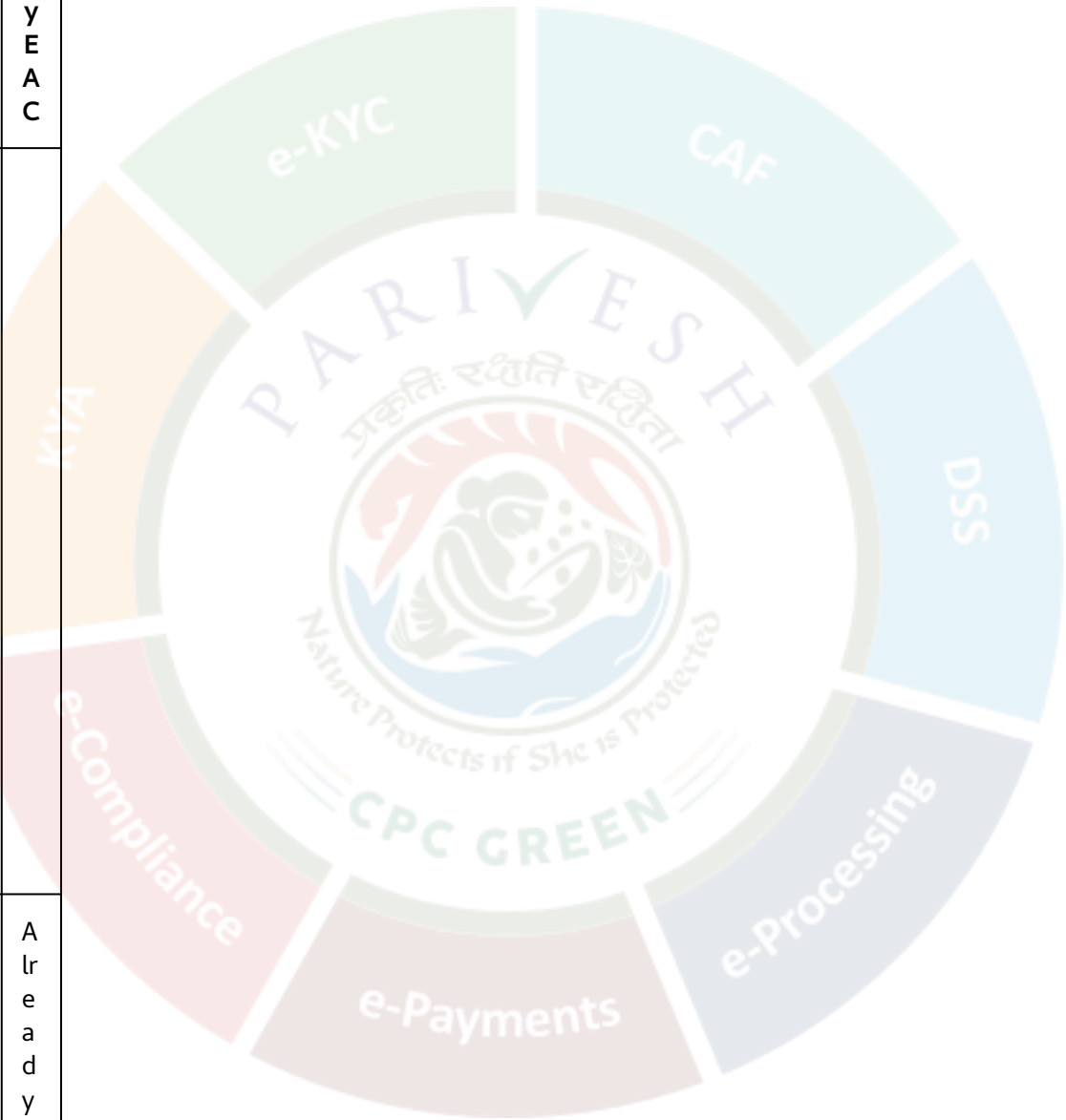
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	tainingment arrangement.	
	Adequate fire fighting and emergency response system shall be	Already prescribed by EAC



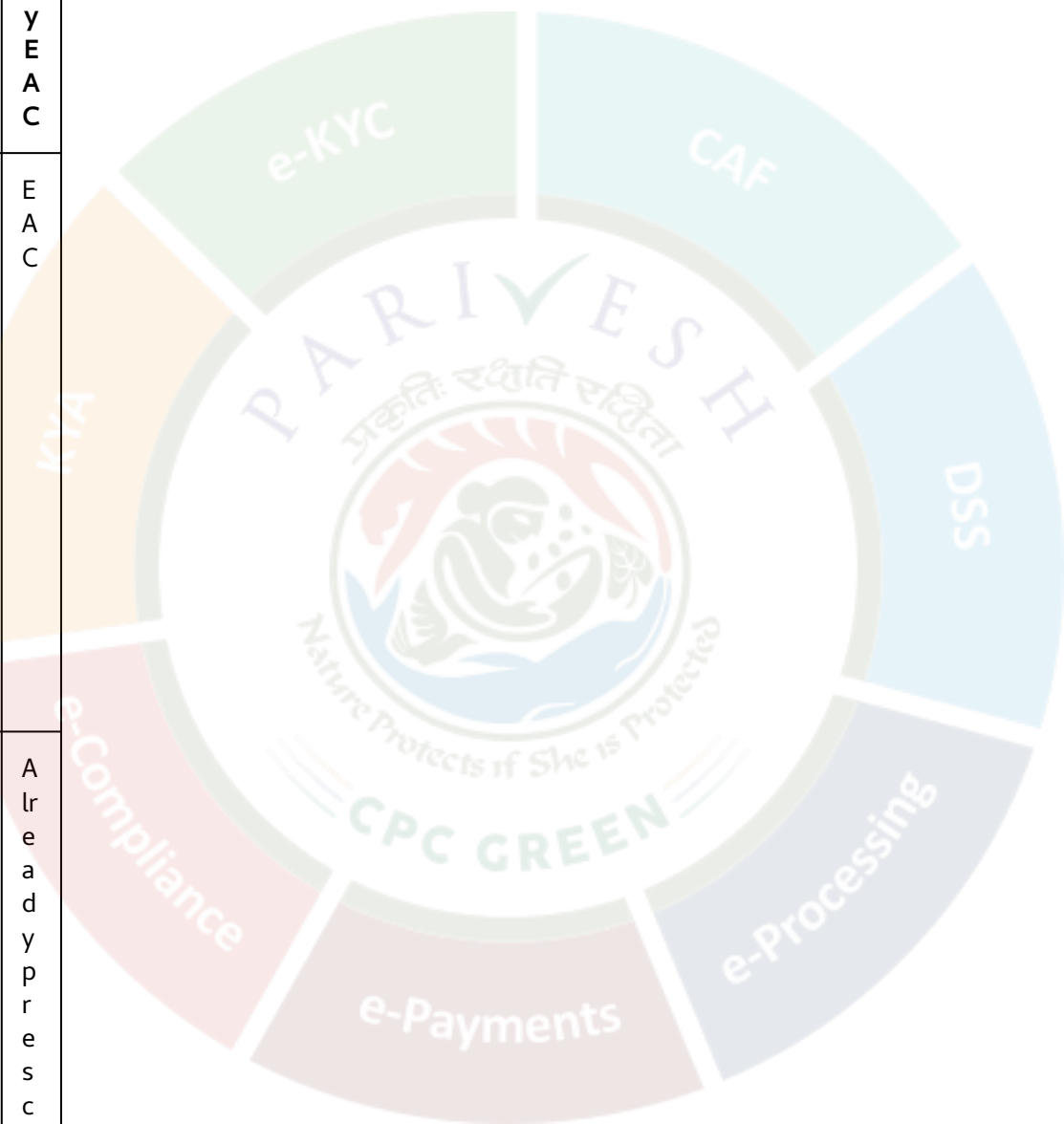
S.L. No.	Environmental Safeguard / Condition	De liberation by EAC
	installed in all units.	
	A comprehensive traffic management plan shall be implemented to av	Already prescribed by EAC



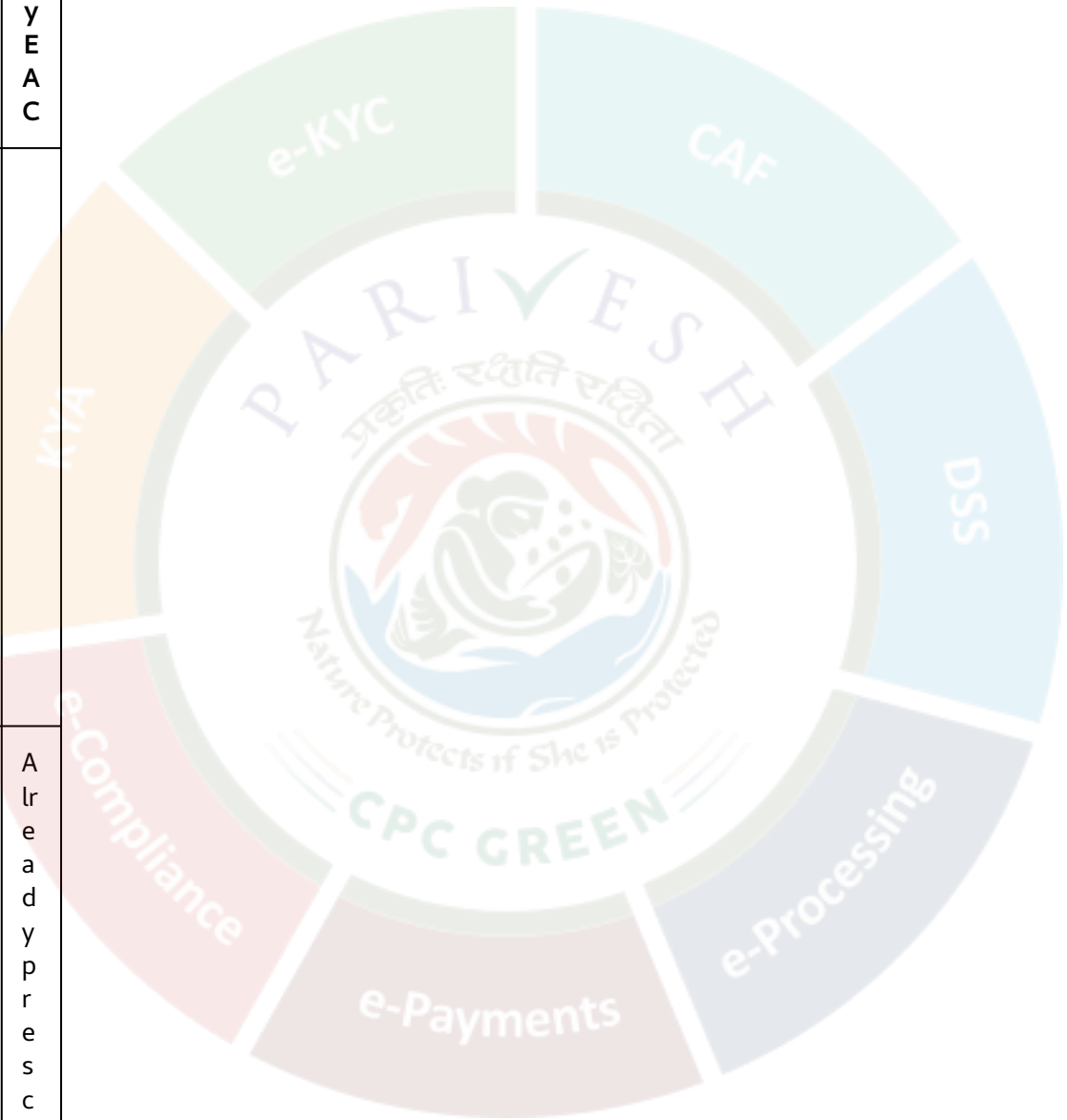
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	oid congestion and dust nuisance in nearby villages.	
	Dedicated approach roads/ by pass roads	Already prescribed by



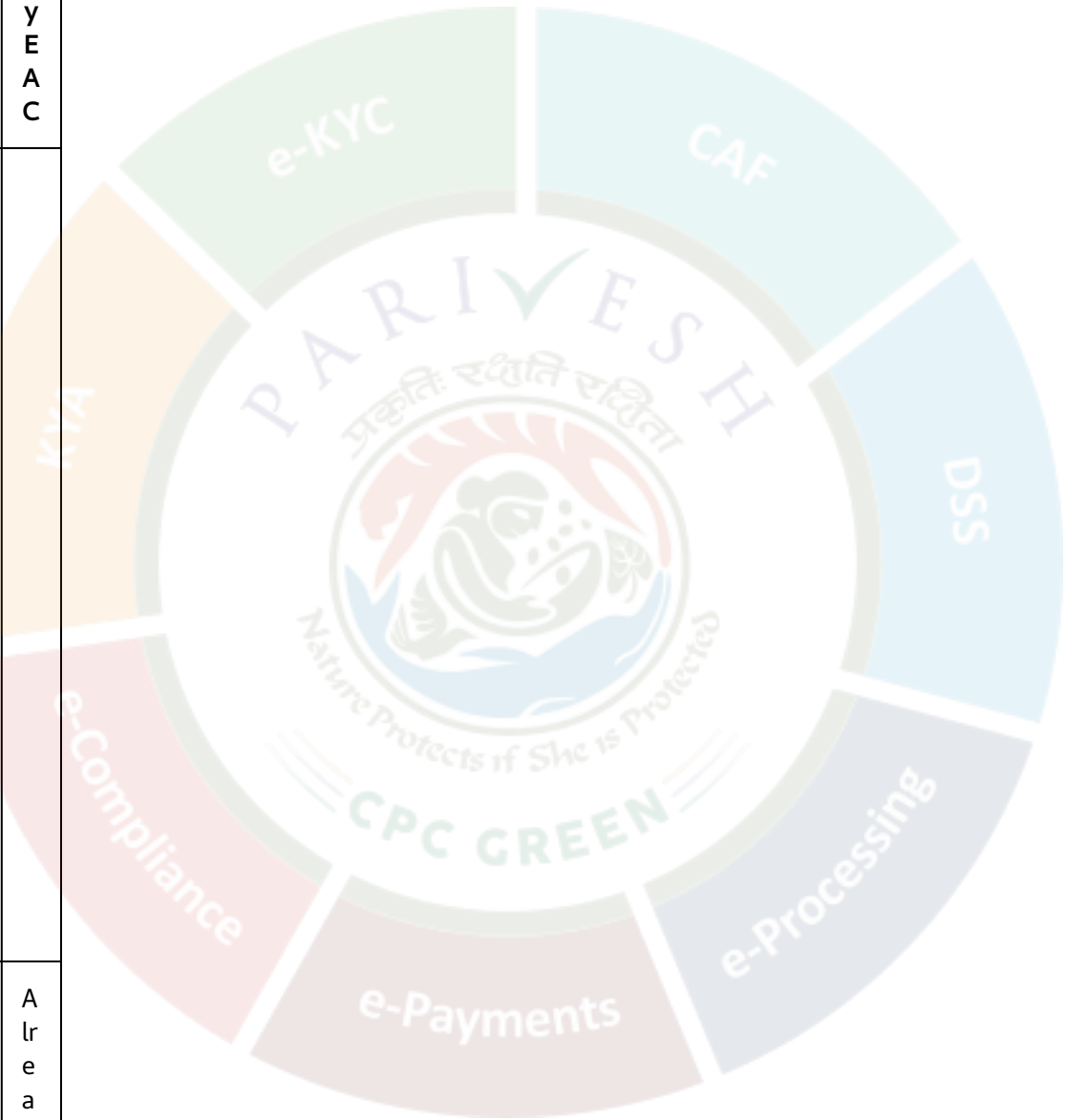
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	hall be developed where required.	EAC
	Transportation of iron ore, coal and other d us ty m at	Already prescribed by EAC



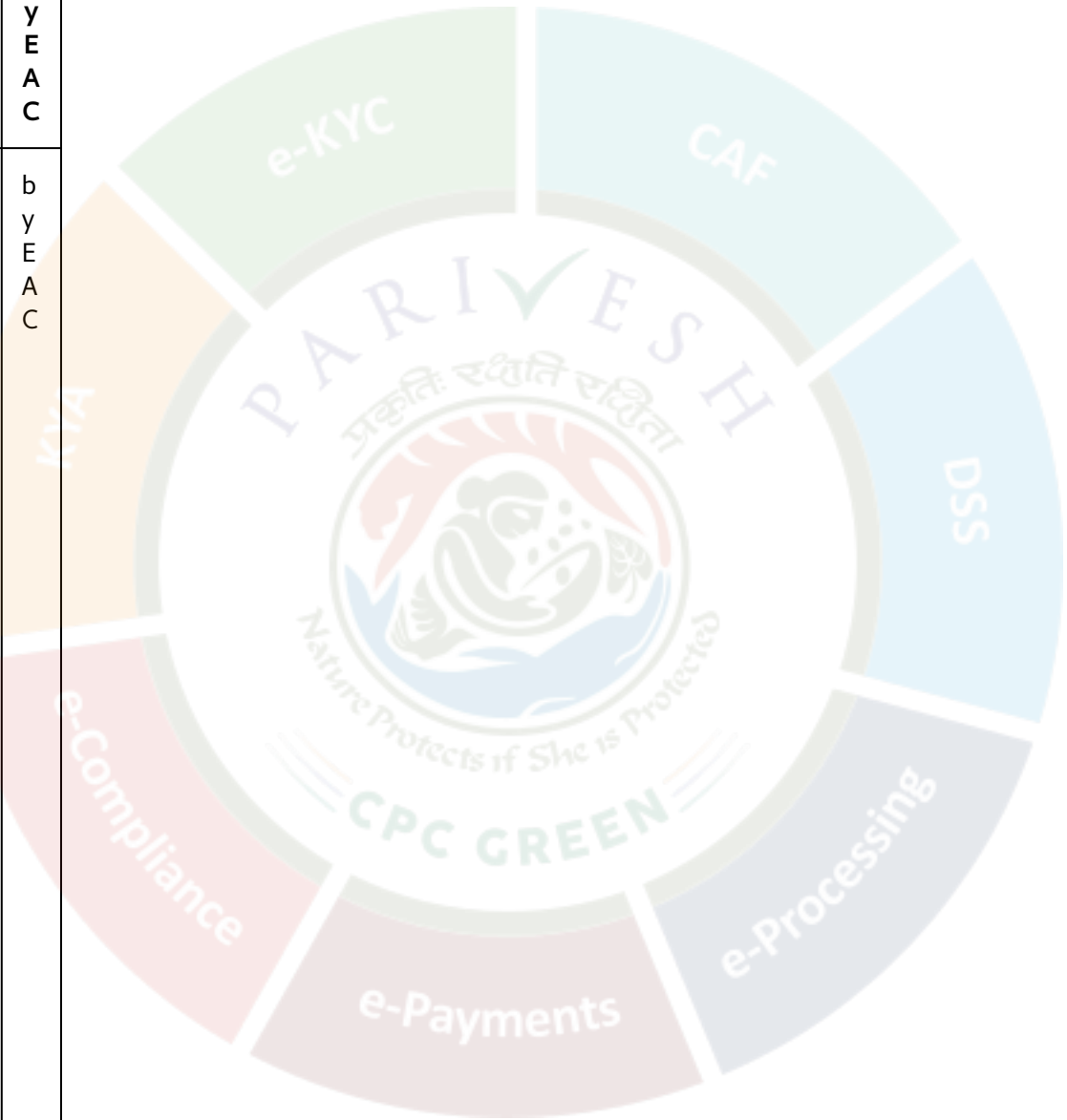
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	erials through villages shall be minimized.	
	Separate Environment Management Cell headed by	Already prescribed by EAC



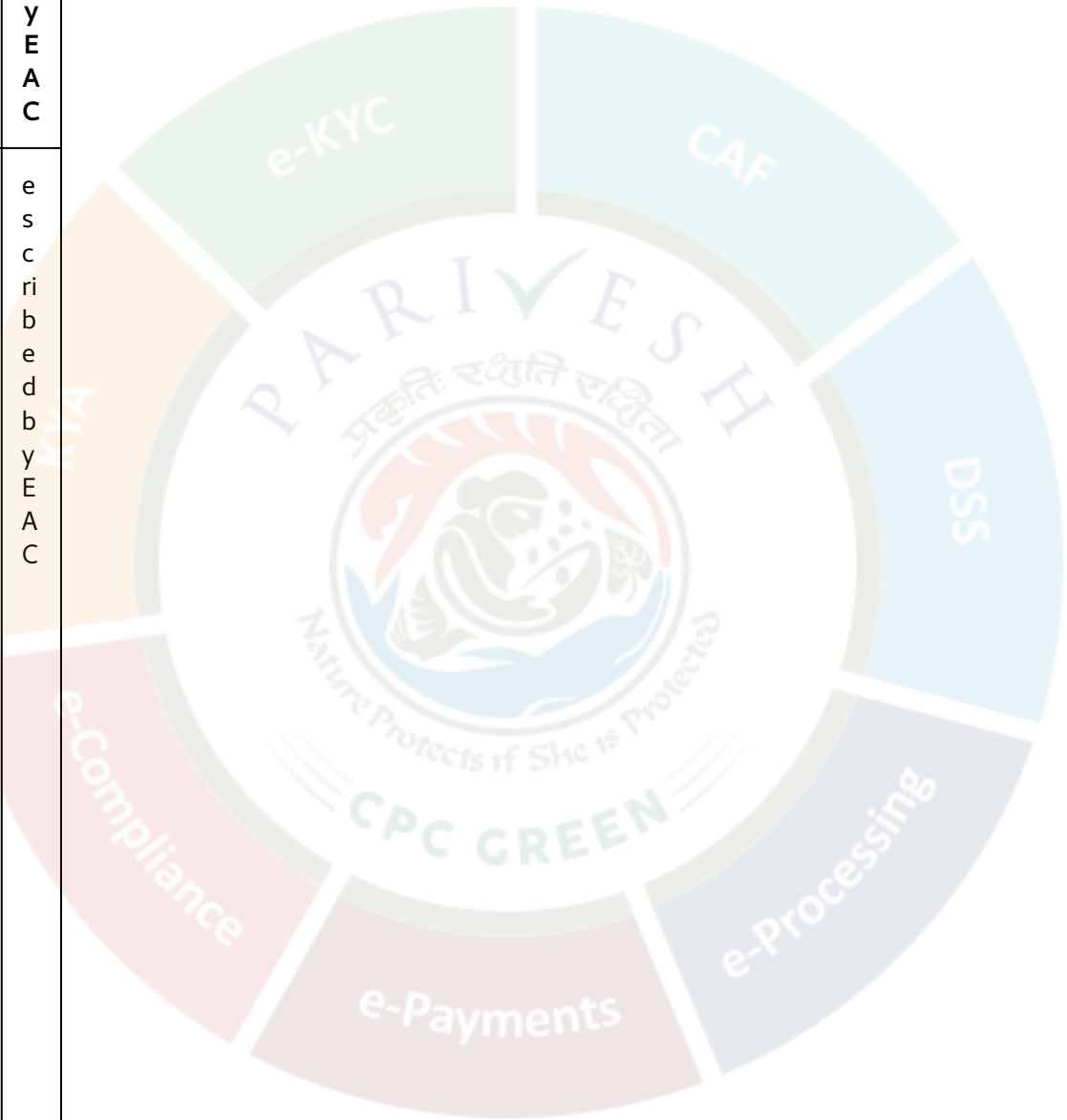
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	qualified environmental professionals shall be established.	
Environmental laboratory with NAB		Already prescribed



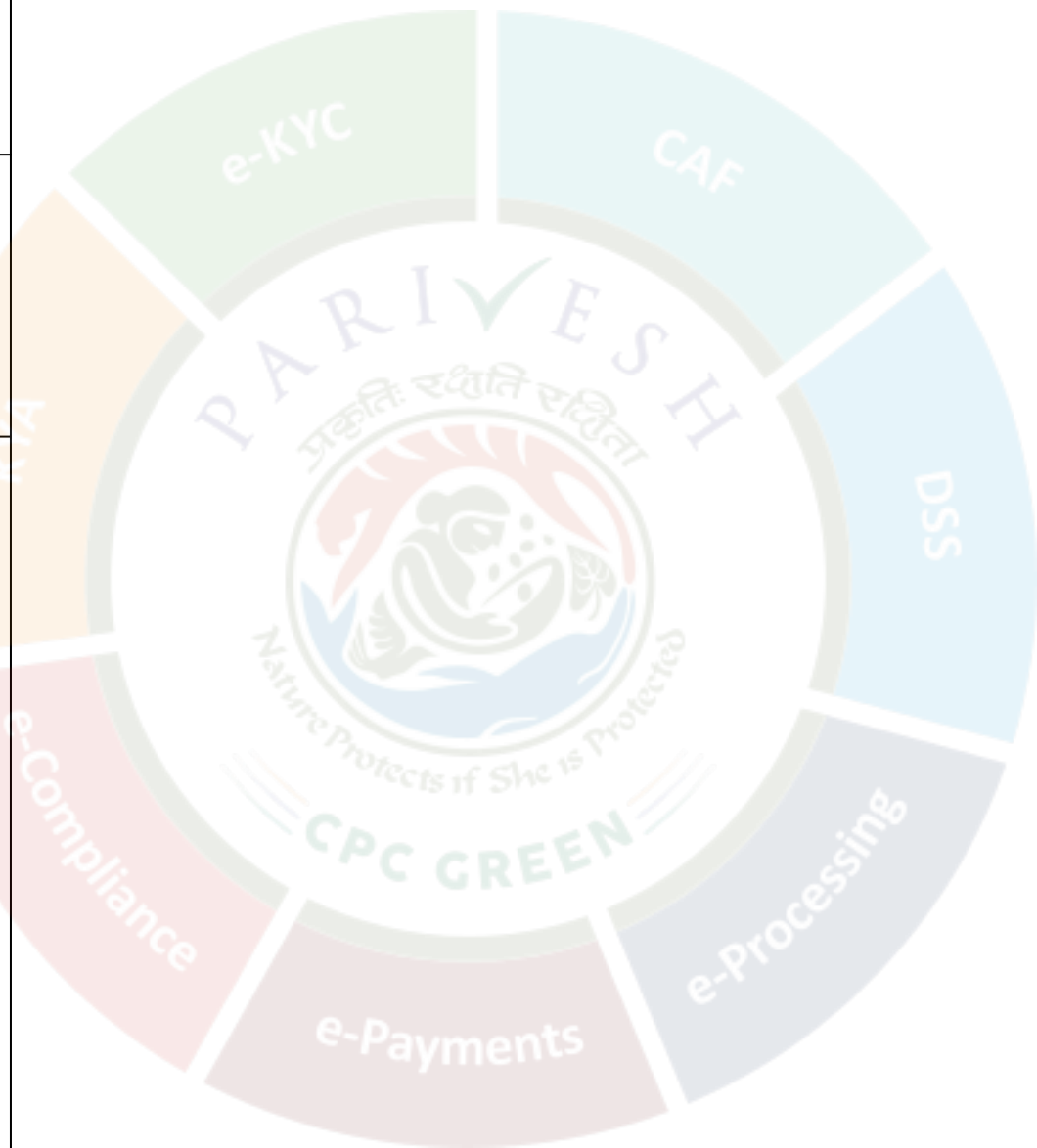
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Recognition/ standard facilities shall be established for regular monitoring.	by EAC
	Simonthly com	Already pr



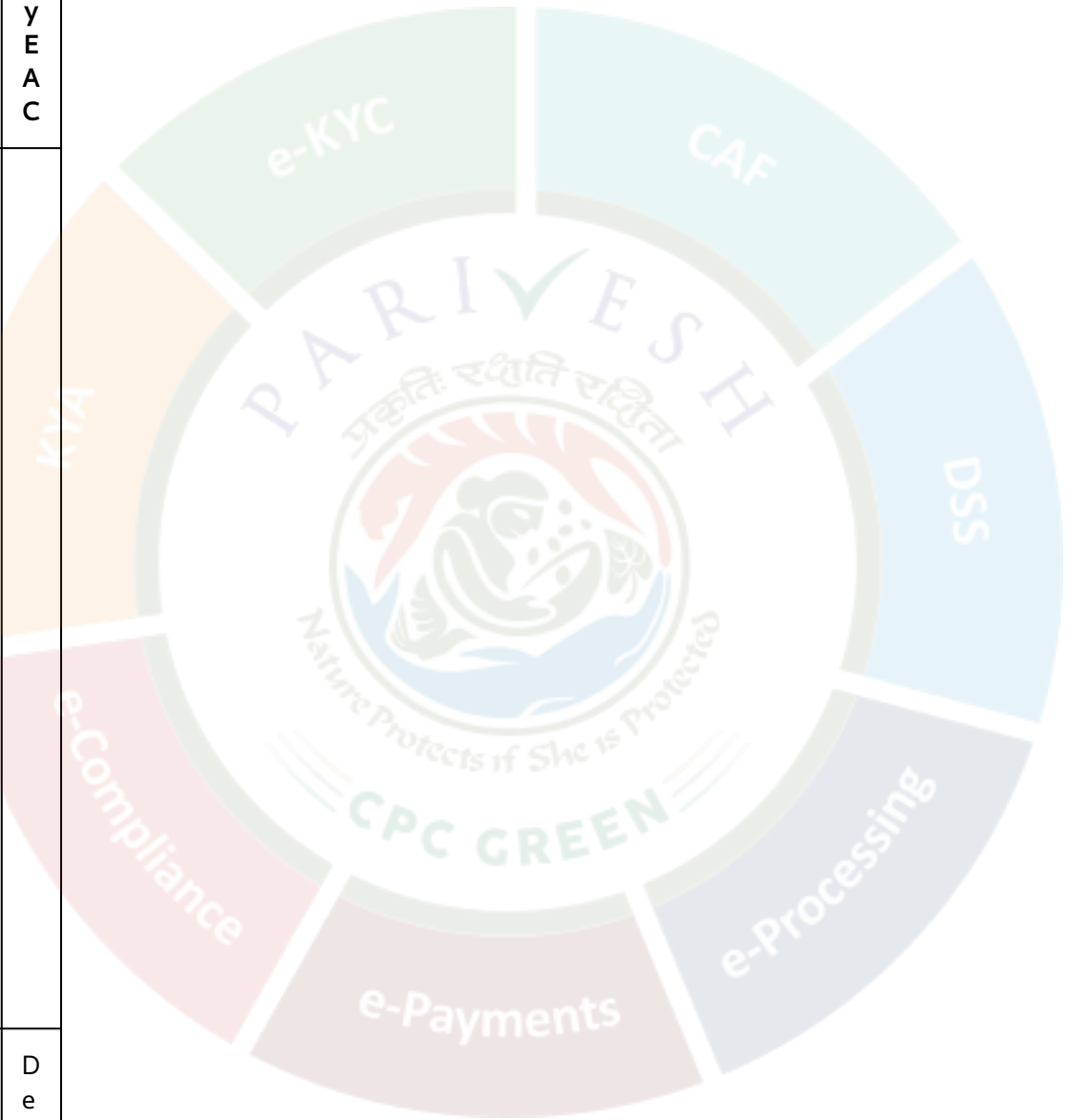
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	pliance reports of EC condition shall be submitted to MoEF&C, CP CB and CE CB and uploaded on	e s c r i b e d b y E A C



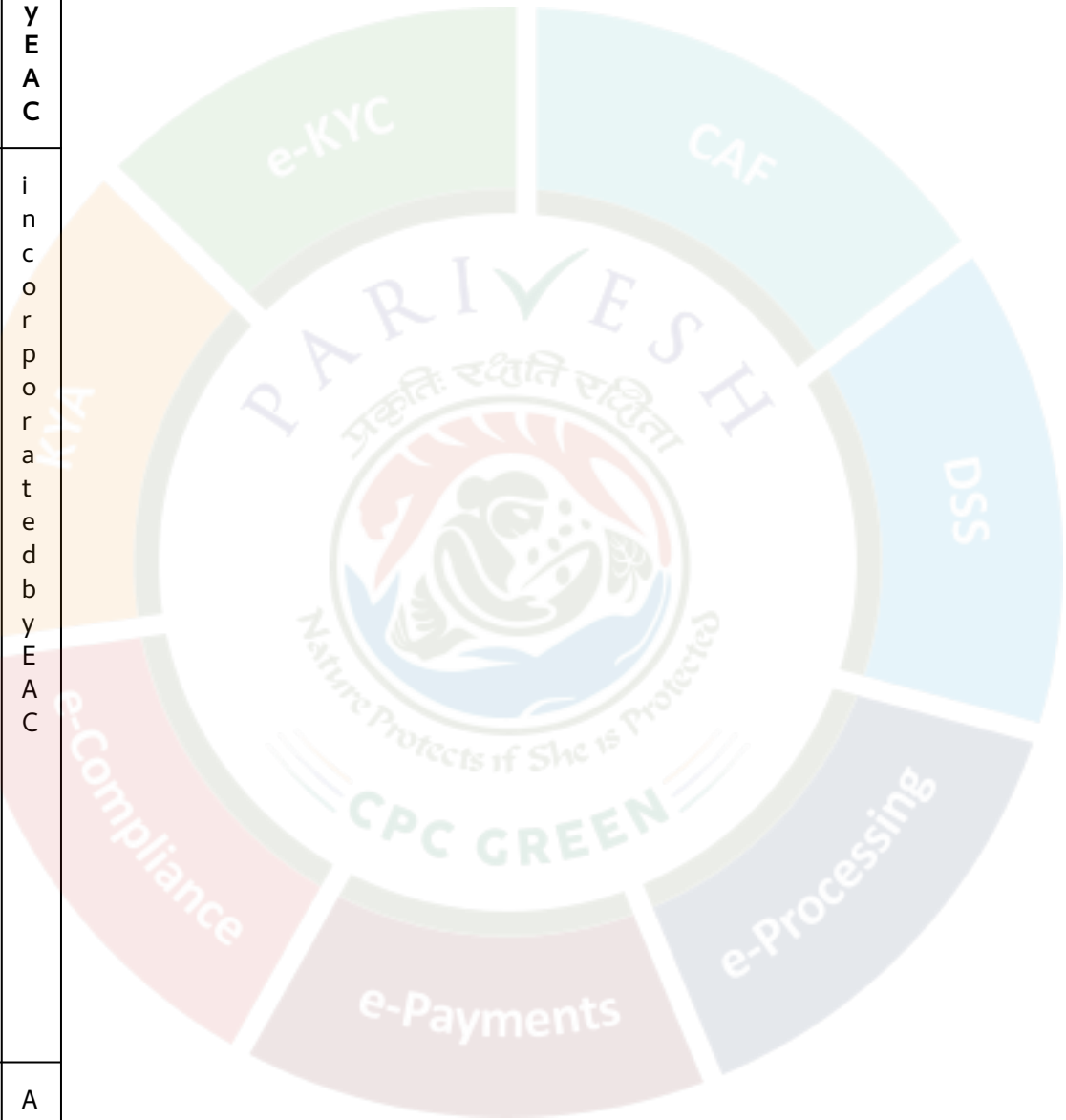
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	company website.	
	Public complaint register and grievance redressal mechanism shall be maintained	Deliberated and indicated by EAC



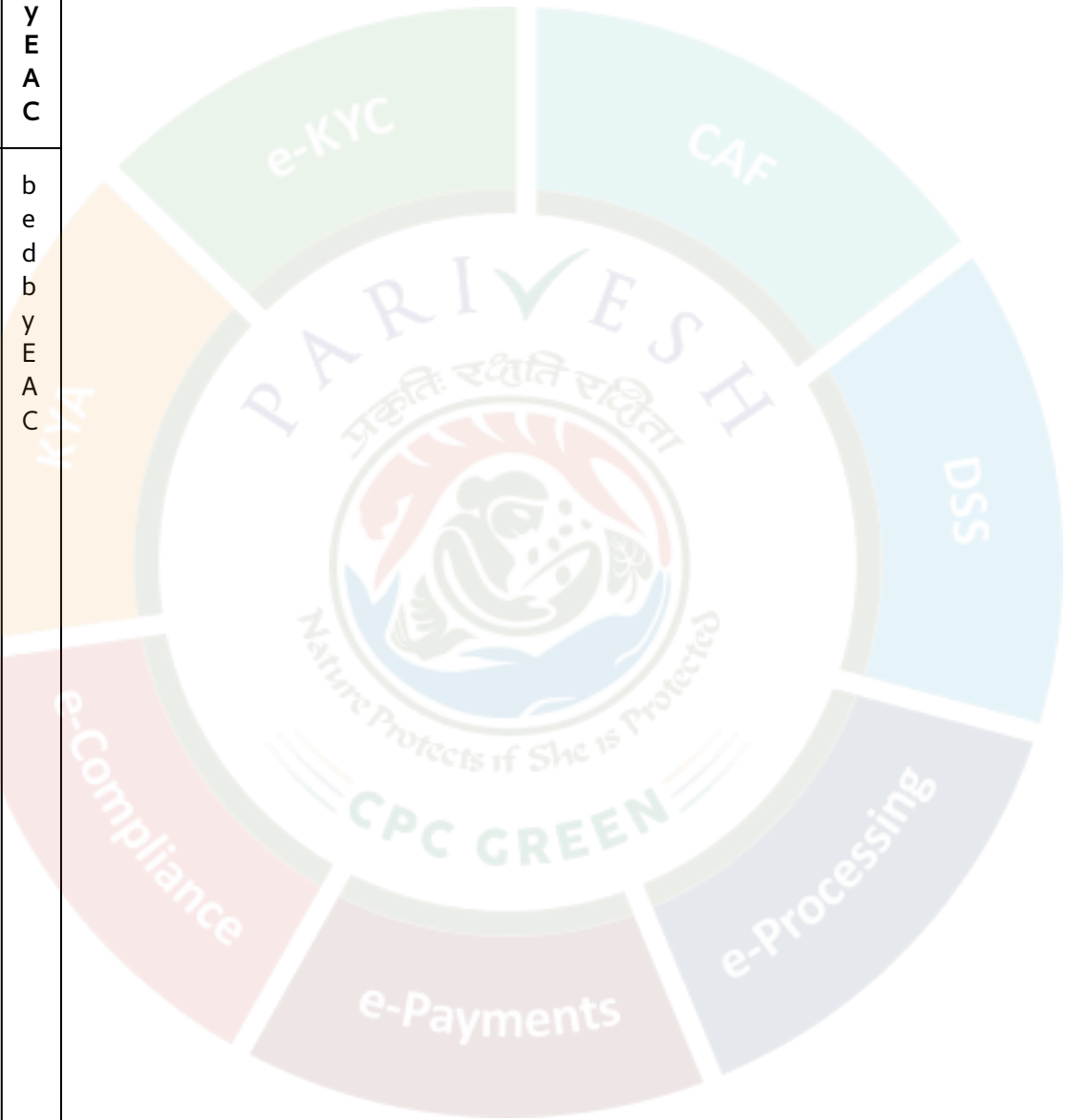
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	tained and action taken reports shall be submitted to CE C B.	
	Real-time monitoring data of	Deliberated and



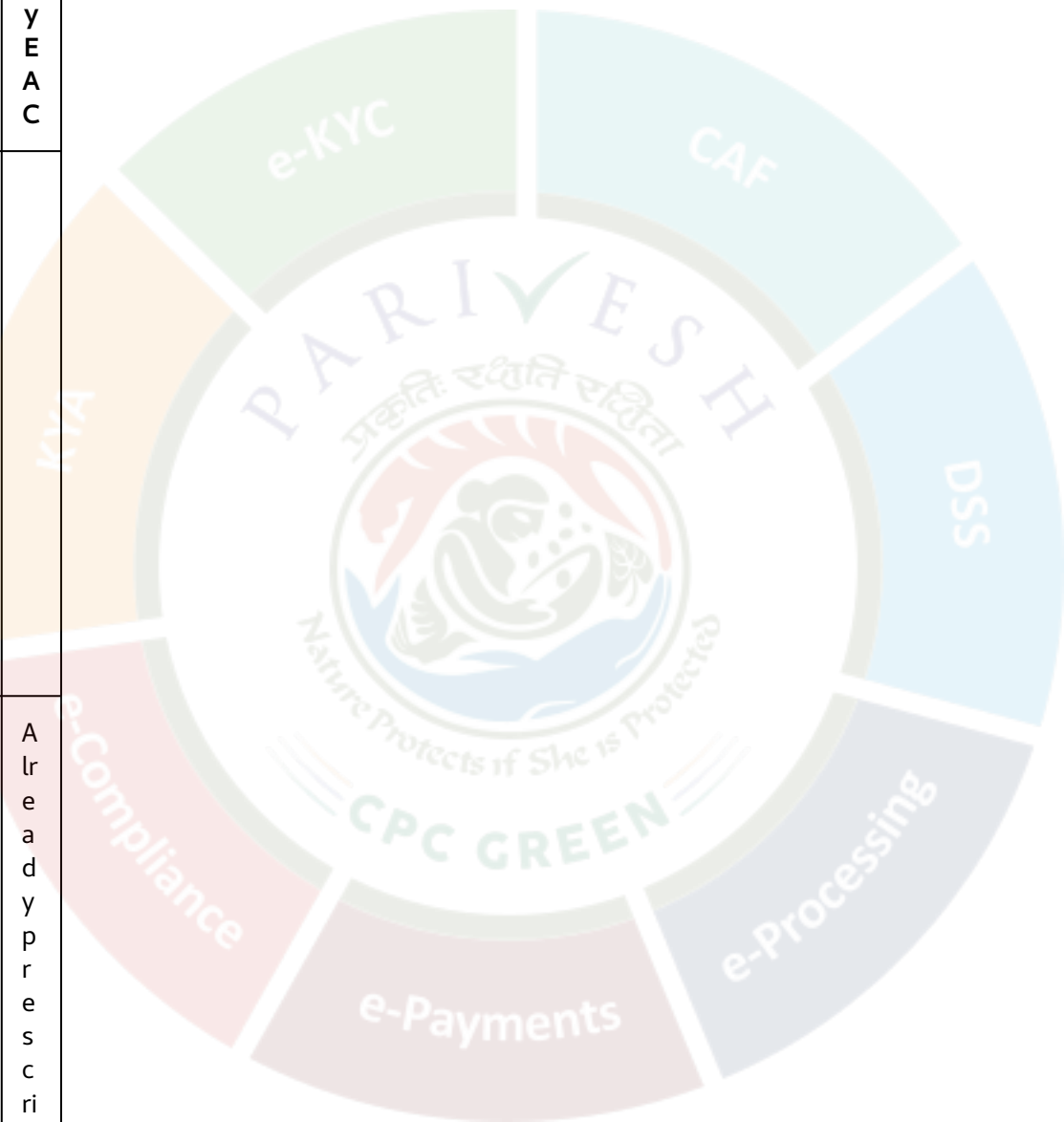
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	emissions and effluent shall be displayed at plant gate and website.	incorporated by EAC
Detailed Risk Assessment		Already present



S.L. No.	Environmental Safeguard / Condition	Delegation by EAC
	Disaster Management Plan shall be implemented for Coke Oven, Producer Gas Plant, Ox yg	bed by EAC



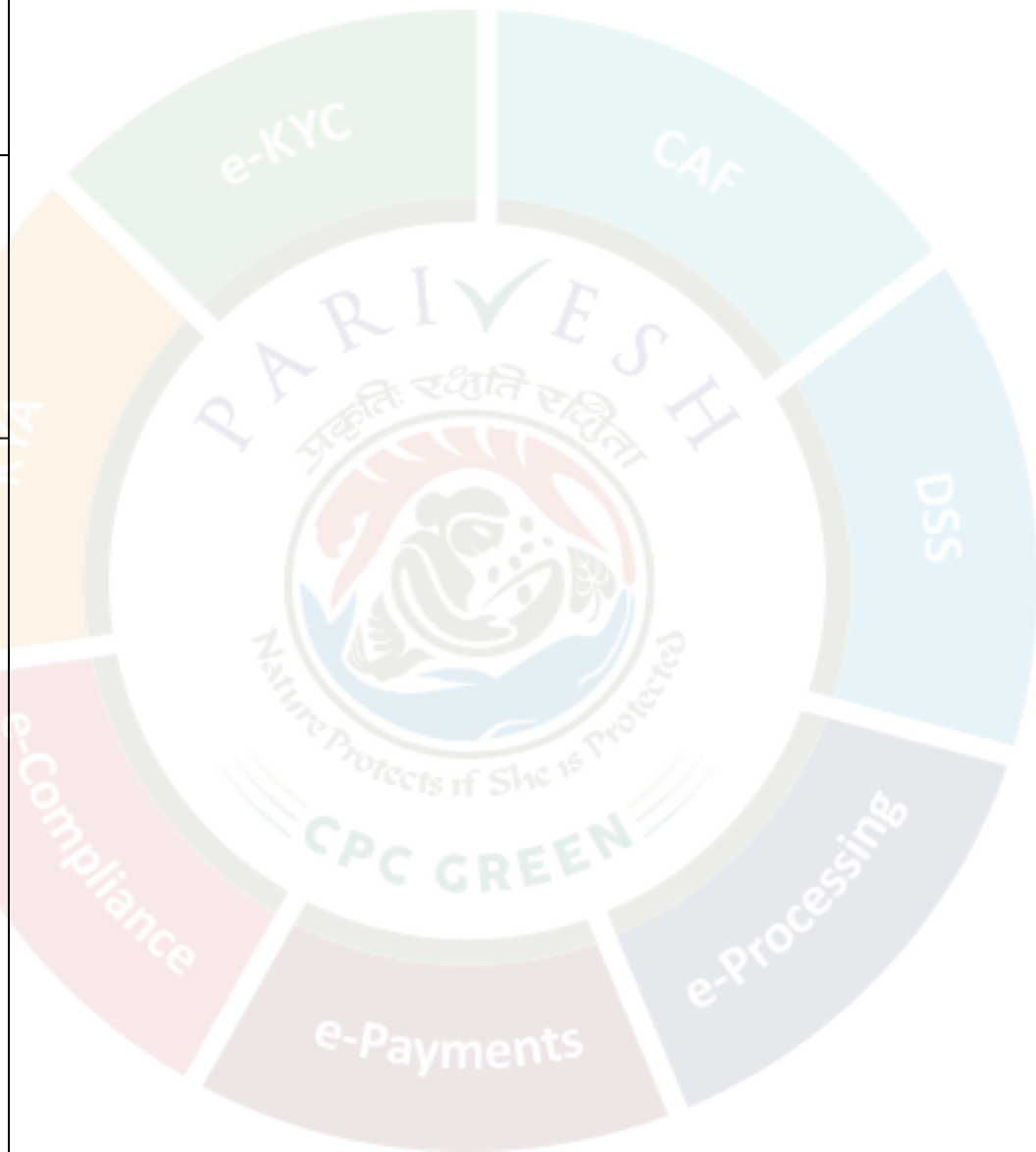
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	en plant, SA F and fuel handling areas.	
	Adequate gas leak detection and alarm systems shall be	Already prescribed by EAC



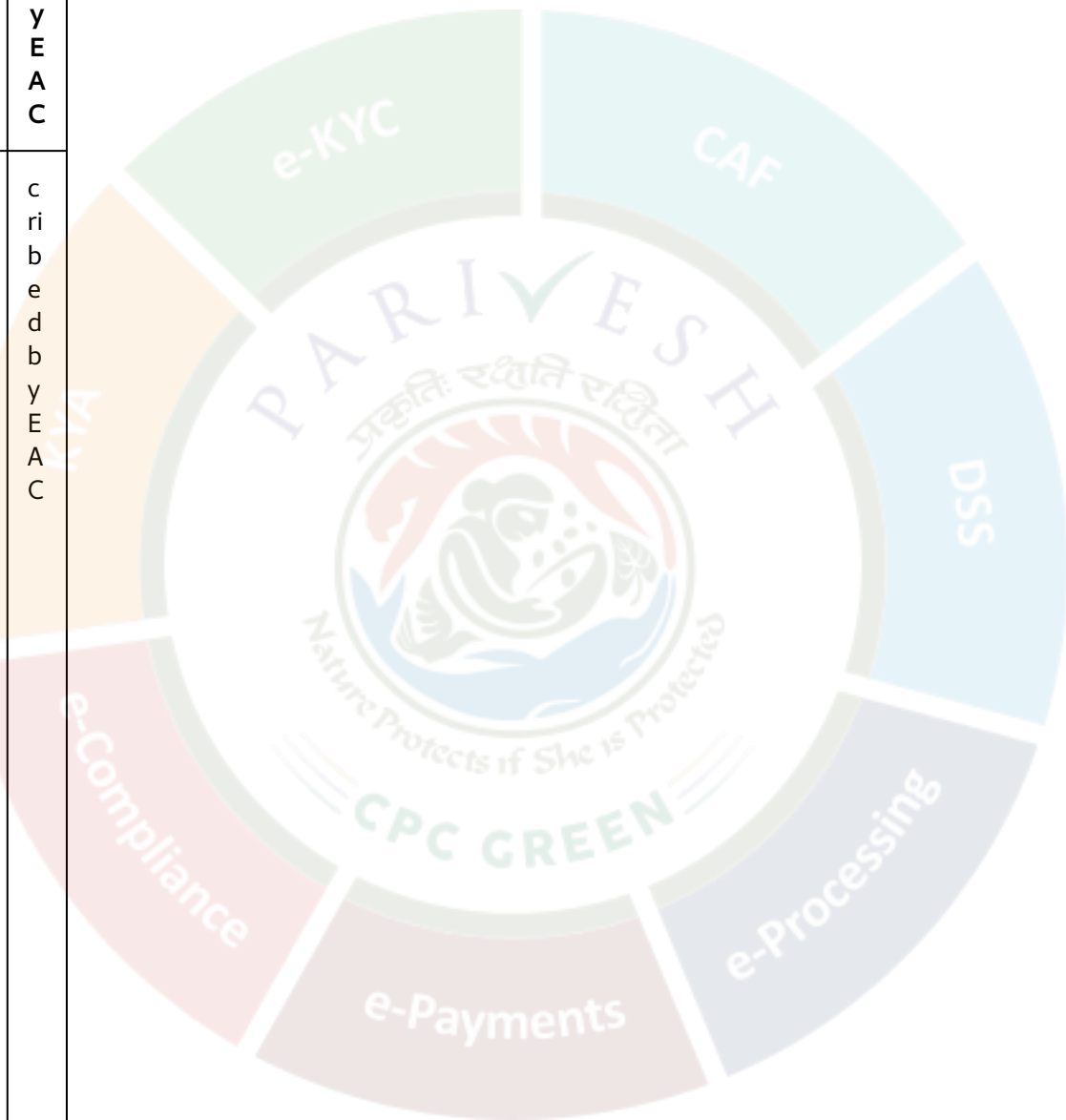
S.L. No.	Environmental Safeguard / Condition	Delegation by EAC
	installed.	
	On-site and off-site emergency plans shall be prepared in coordination with District	Already prescribed by EAC



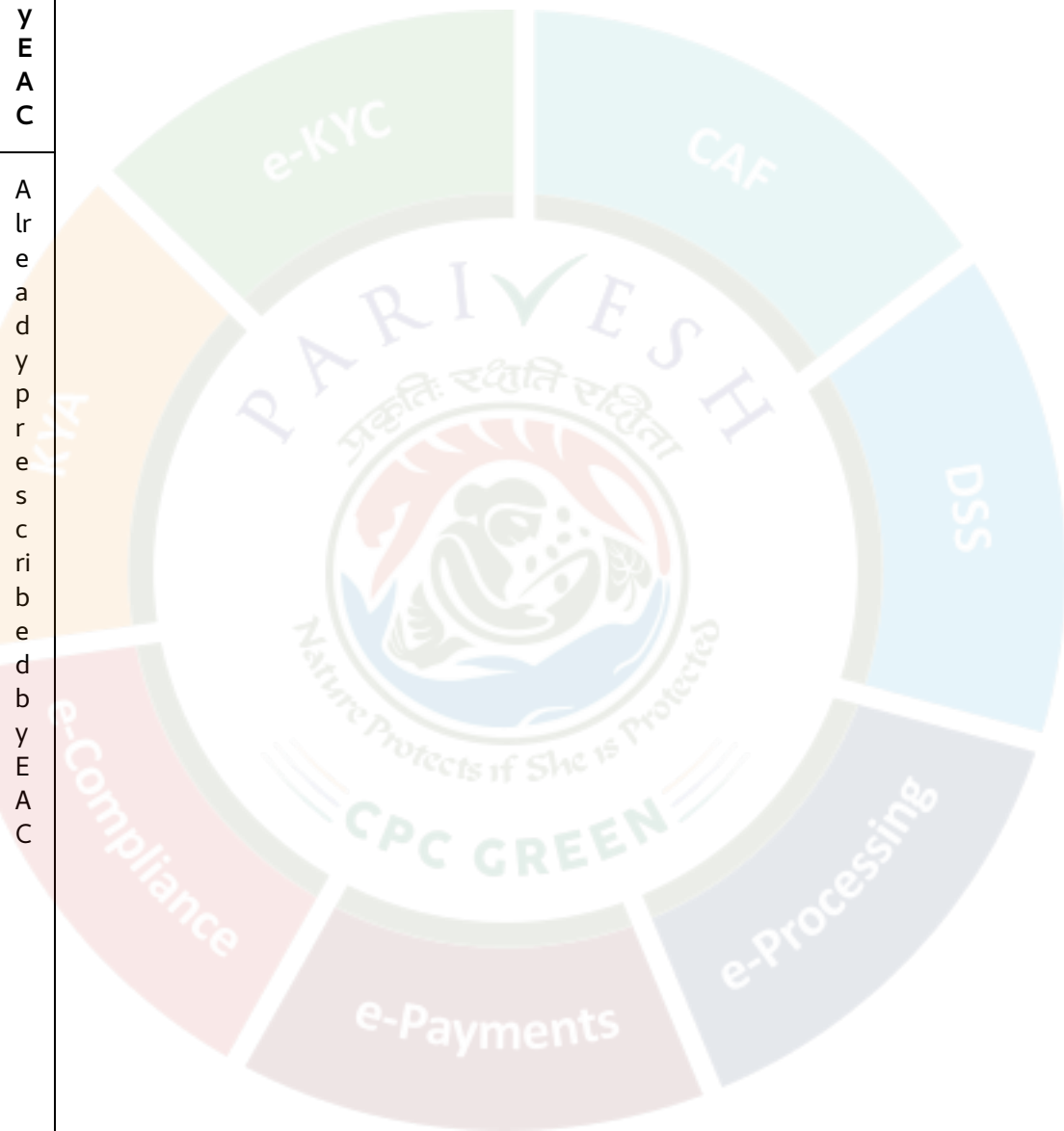
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ict Administration.	
	Periodic mock drills shall be conducted.	Already prescribed by EAC
	Periodic health check-up	Already prescribed



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	of workers and near by villagers shall be carried out with special focus on respiratory diseases.	c r i b e d b y E A C



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	CSR/CE R activities shall prioritize drinking water supply, health facilities, plantation and road improve	Already prescribed by EAC

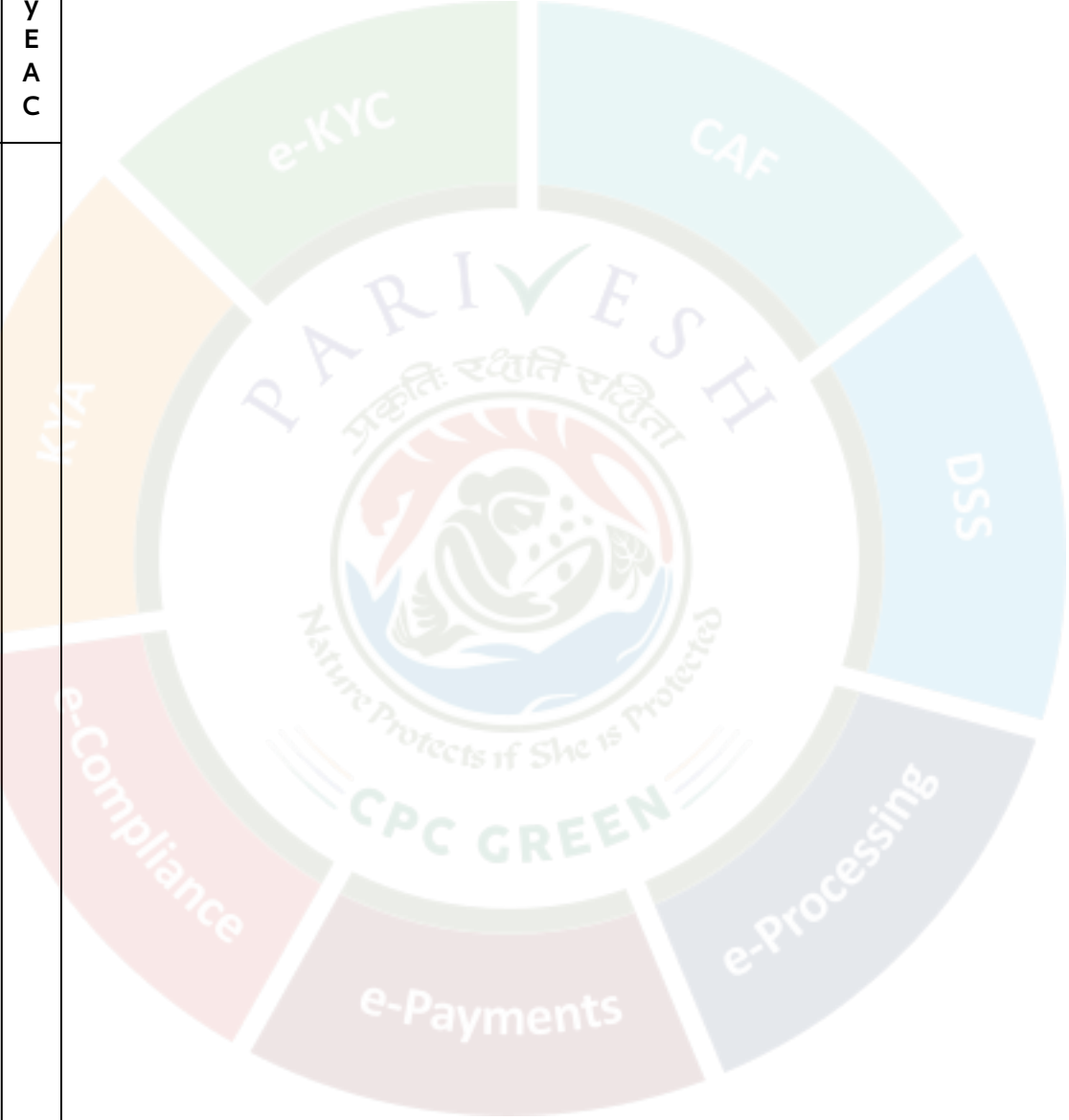


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ment in near by villages.	
	Special mitigation measures shall be implemented if any habitation	Already prescribed by EAC

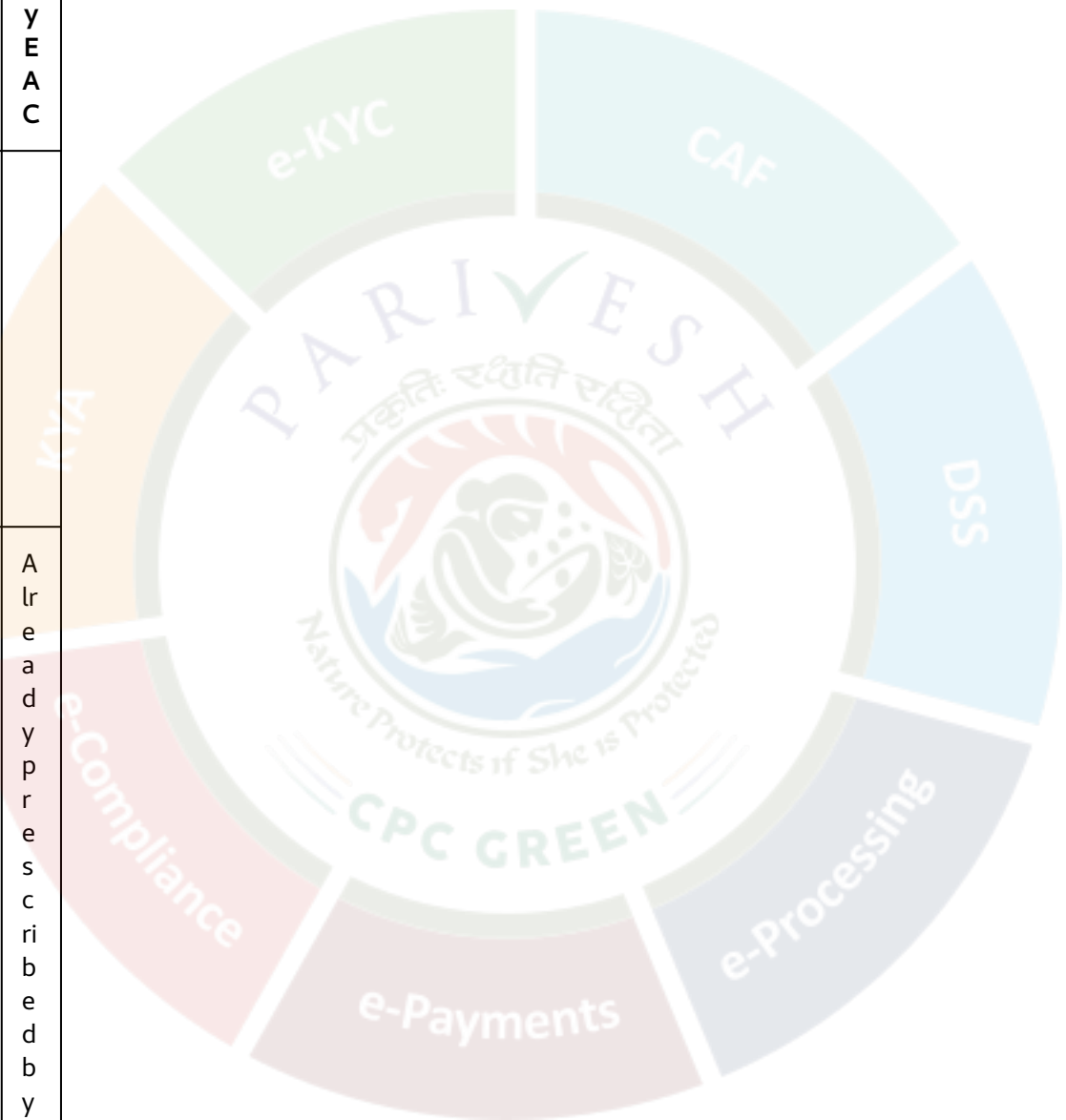


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	falls within immediate impact zone.	
	Prior to commissioning of expansion units, all pollution control	Already prescribed by EAC

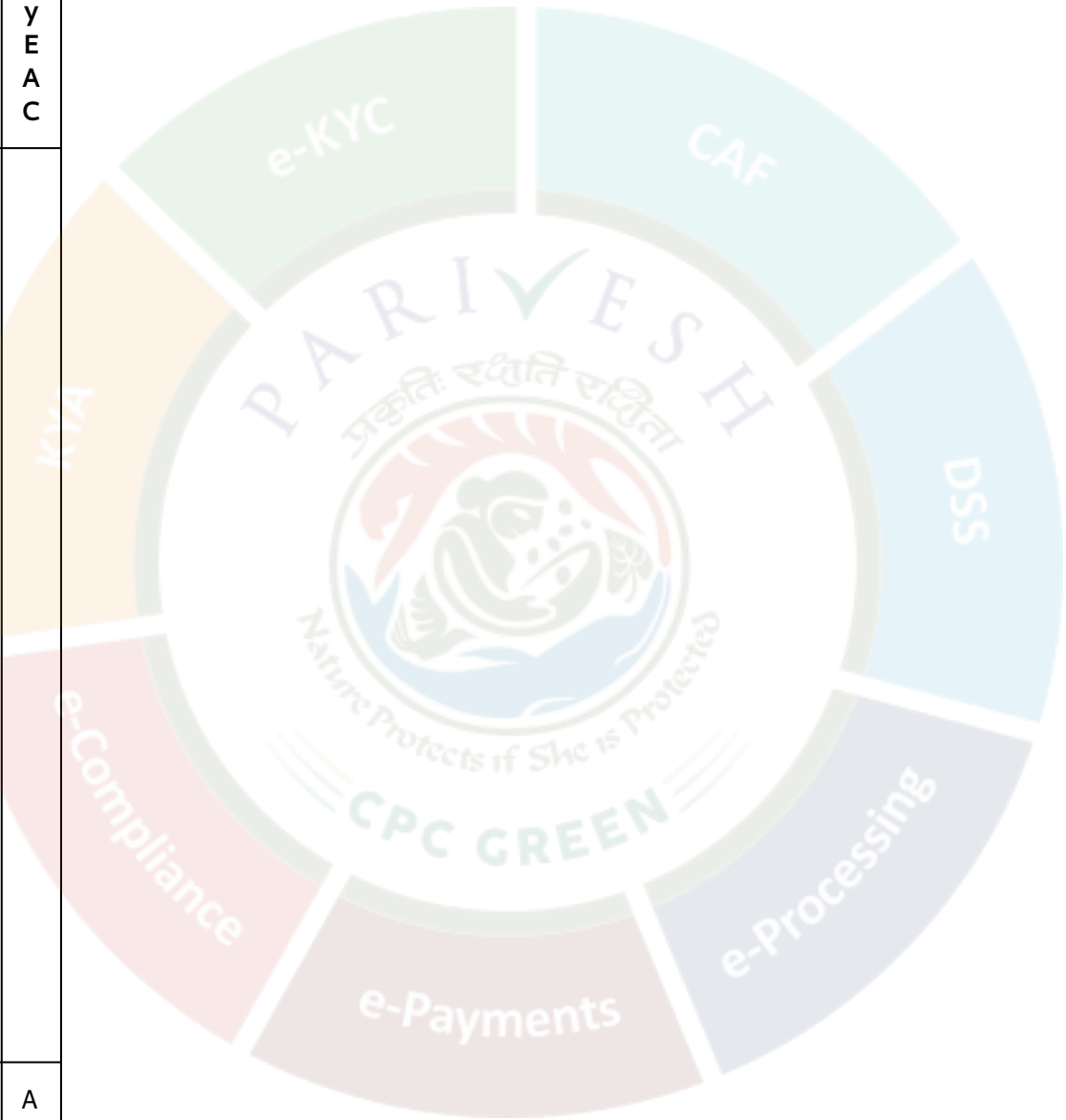


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	control systems, monitoring systems, solid waste utilization systems and green belt development	

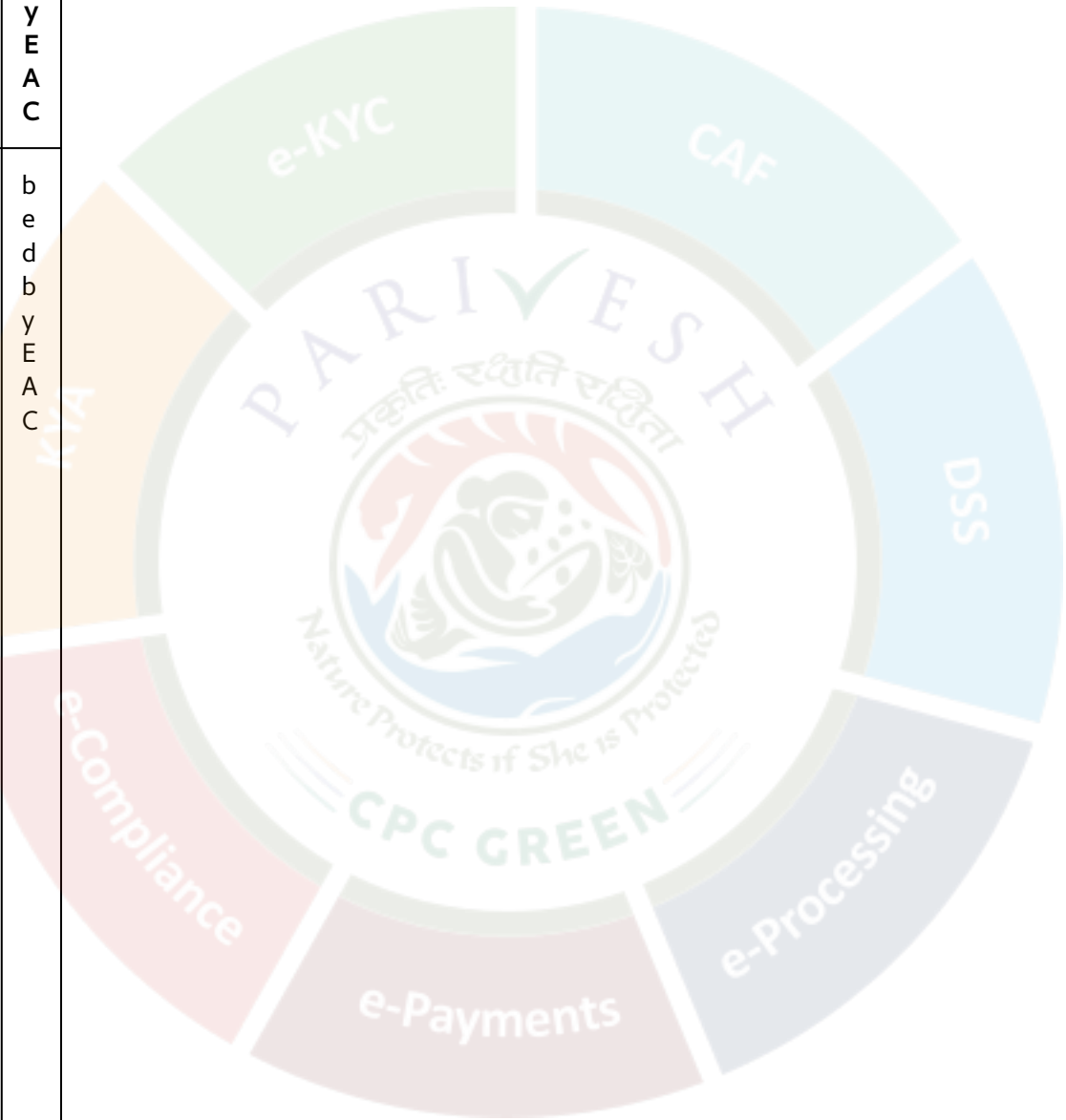
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	t shall be completed.	
	Existing environmental non-compliance, if any, observed in existing pla	Already prescribed by EAC



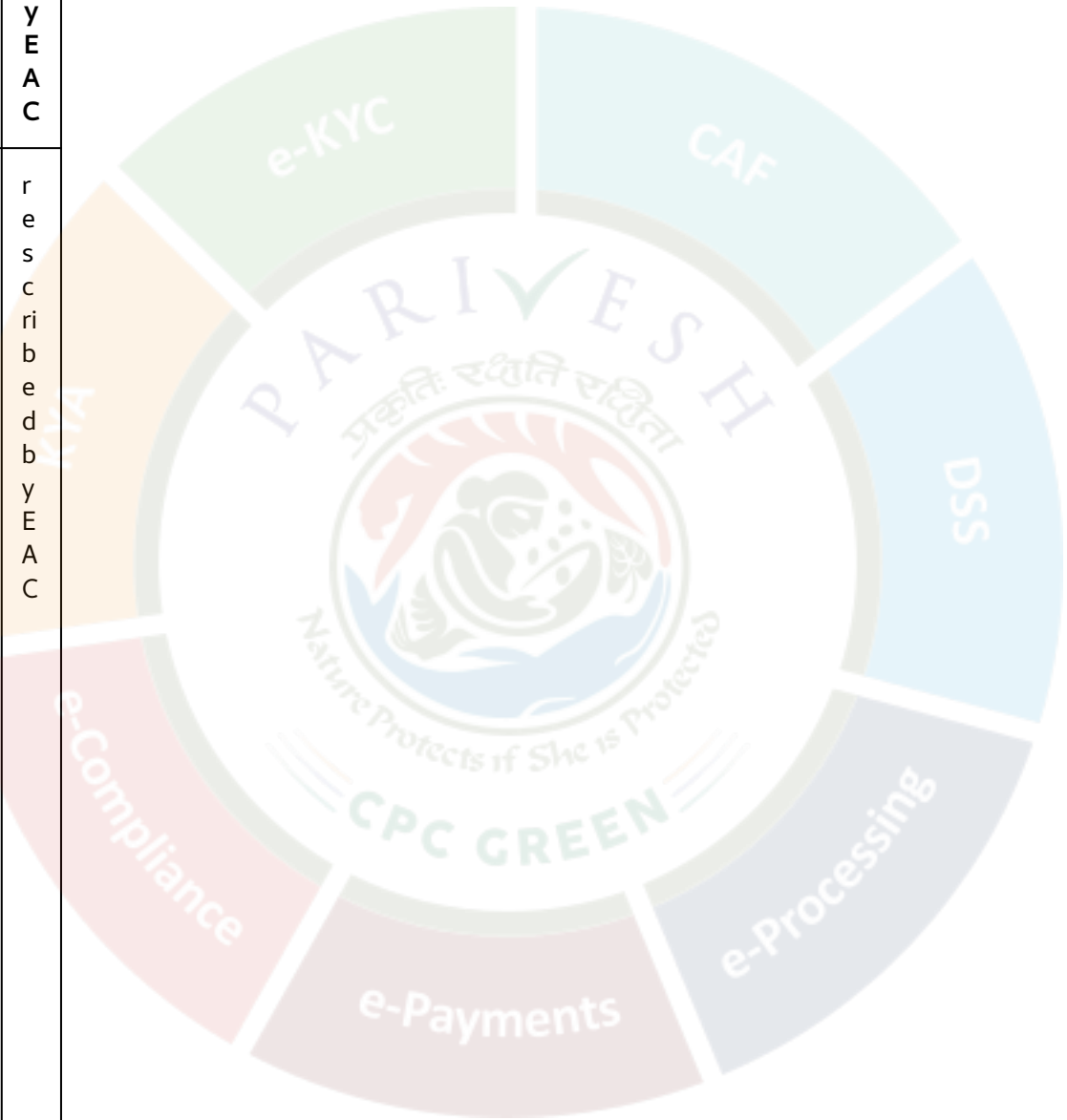
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	nt shall be rectified before commissioning of expansion project.	
	No expansion units shall be commenced	A lre ad y p r e s c r i



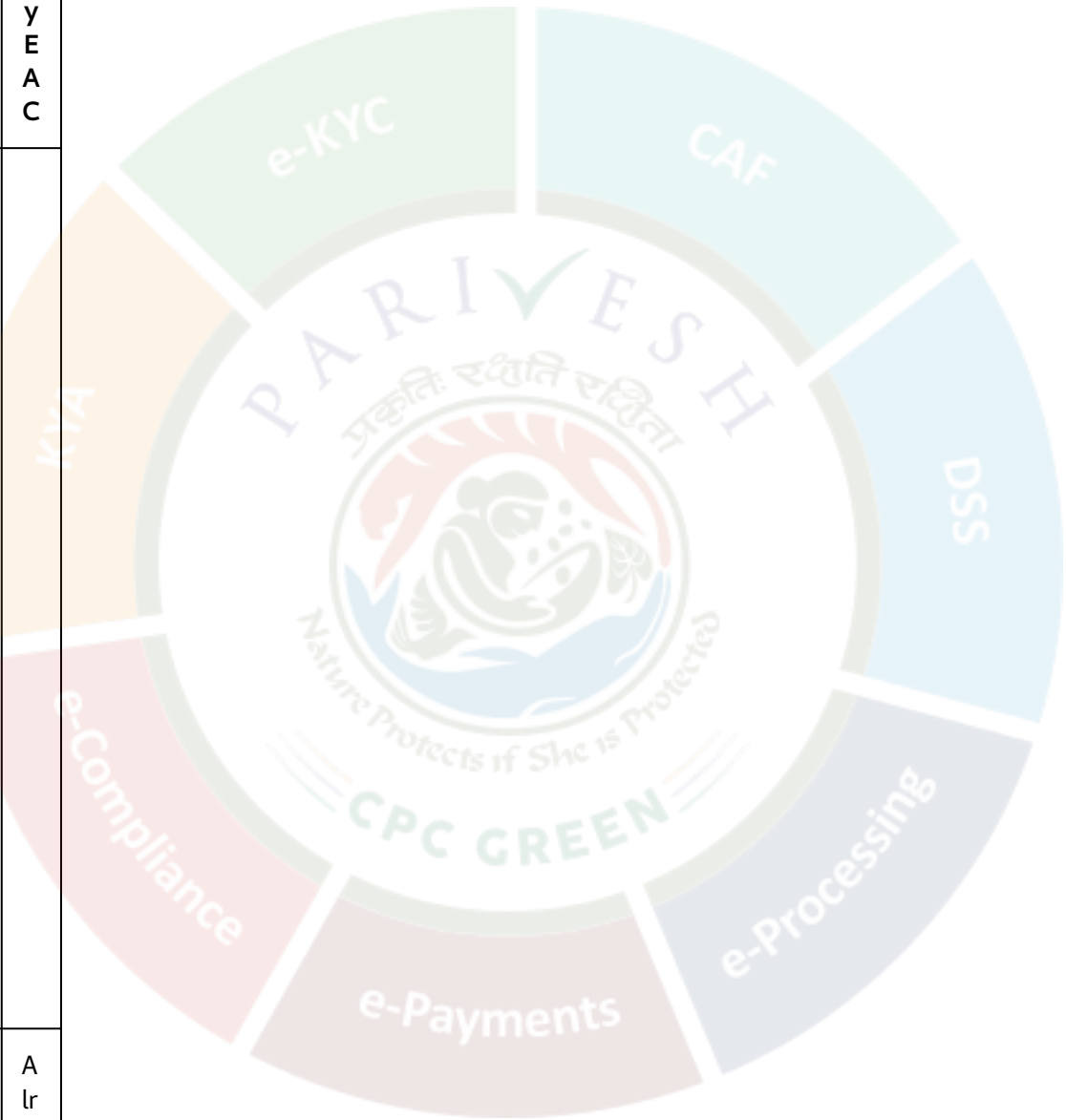
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	missioned without obtaining Consent to Operate from CE CB as applicable.	bed by EAC
	Separate environment	Already adyp



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	mental management plan shall be prepared for Pellet Plant with Beneficiation and Coal Washery	rescribed by EAC



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	considering high fugitive dust and slurry generation potential.	
	Producer Gas Plant and Coke Oven	Already prescribed

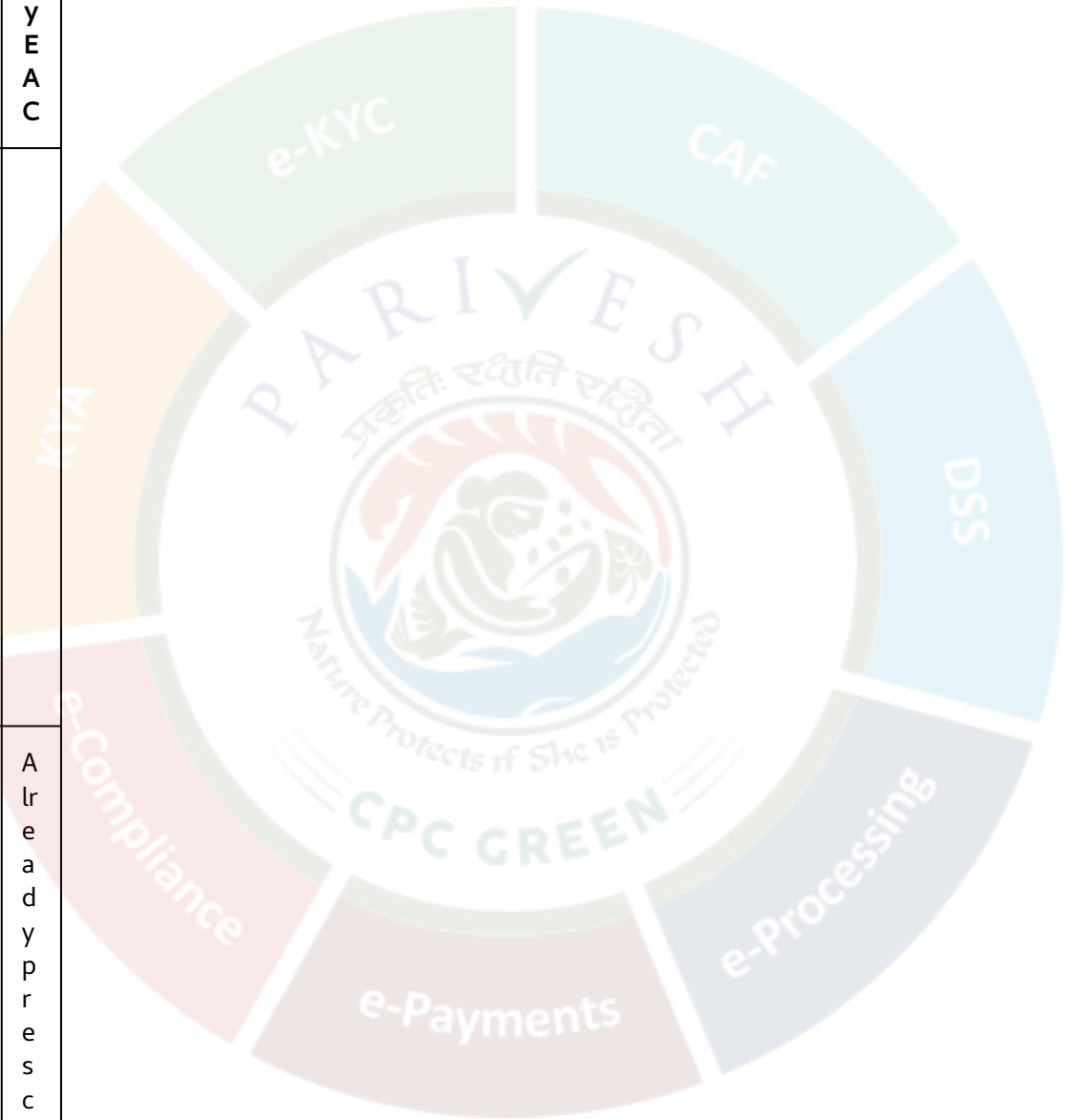


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Plant shall comply with all applicable safety and emission norms due to toxic and combustible gas	The diagram is a circular infographic for 'PARIVESH CPC GREEN'. At the center is a logo featuring a green tree, a blue bird, and a green leaf, with the text 'प्रकृति रक्षति रक्षितः' (Prakriti Rakshati Rakshitah) in Devanagari script and 'Nature Protects if She is Protected' in English. Below the logo is the text 'CPC GREEN'. Surrounding the center are eight colored segments, each representing a different initiative: 'e-KYC' (green), 'CAF' (light blue), 'DSS' (blue), 'e-Processing' (grey-blue), 'e-Payments' (brown), 'e-Compliance' (red), 'WVA' (orange), and 'e-KYC' (green). ed by EAC

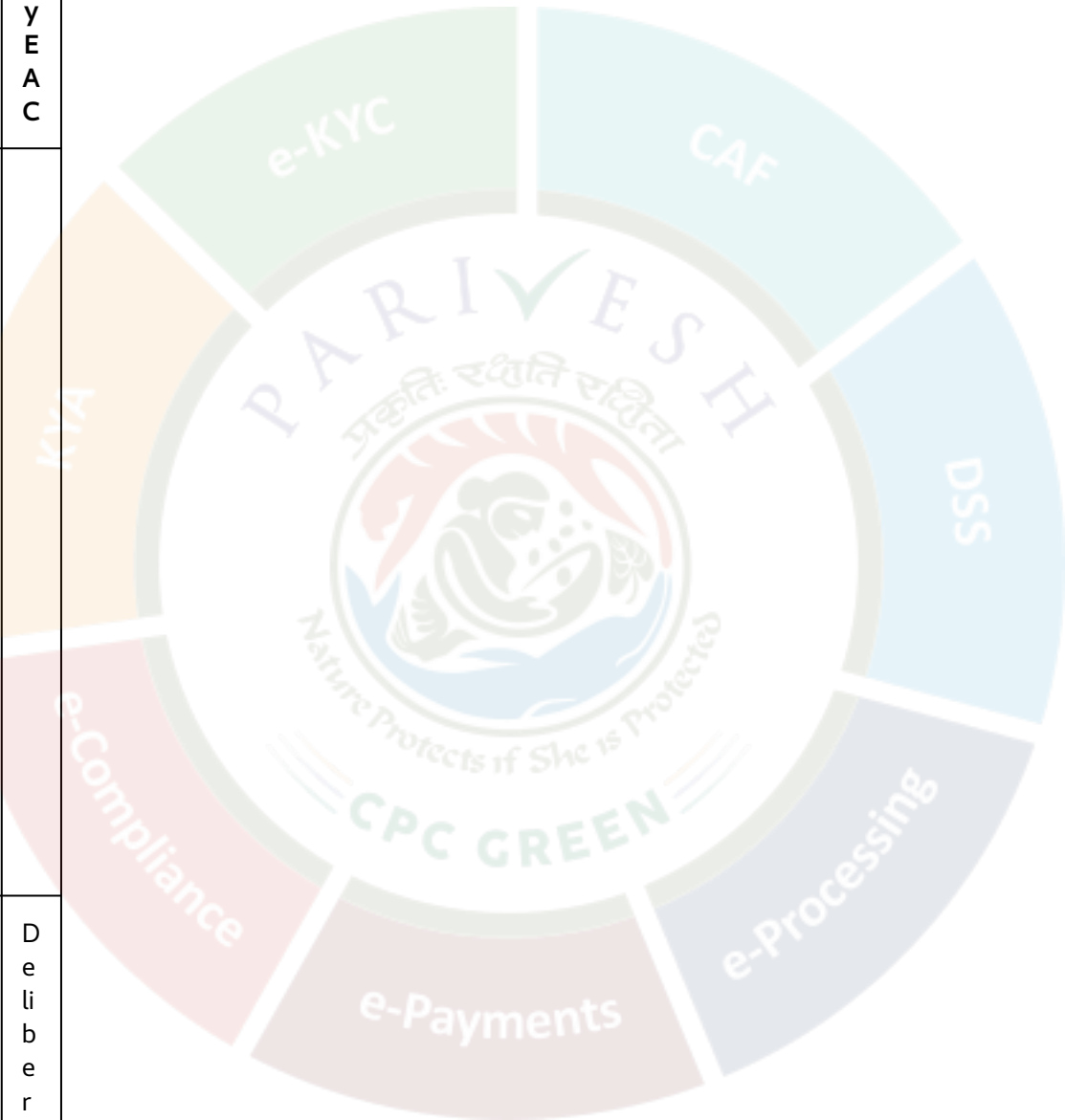
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	se s i n v o l v e d.	
	Basel ine en vir on m en tal qu ali ty of ne ar by vill ag es sh all be pe rio dic all y a ss es se d du	D e l i b e r a t e d a n d i n c o r p o r a t e d b y E A C



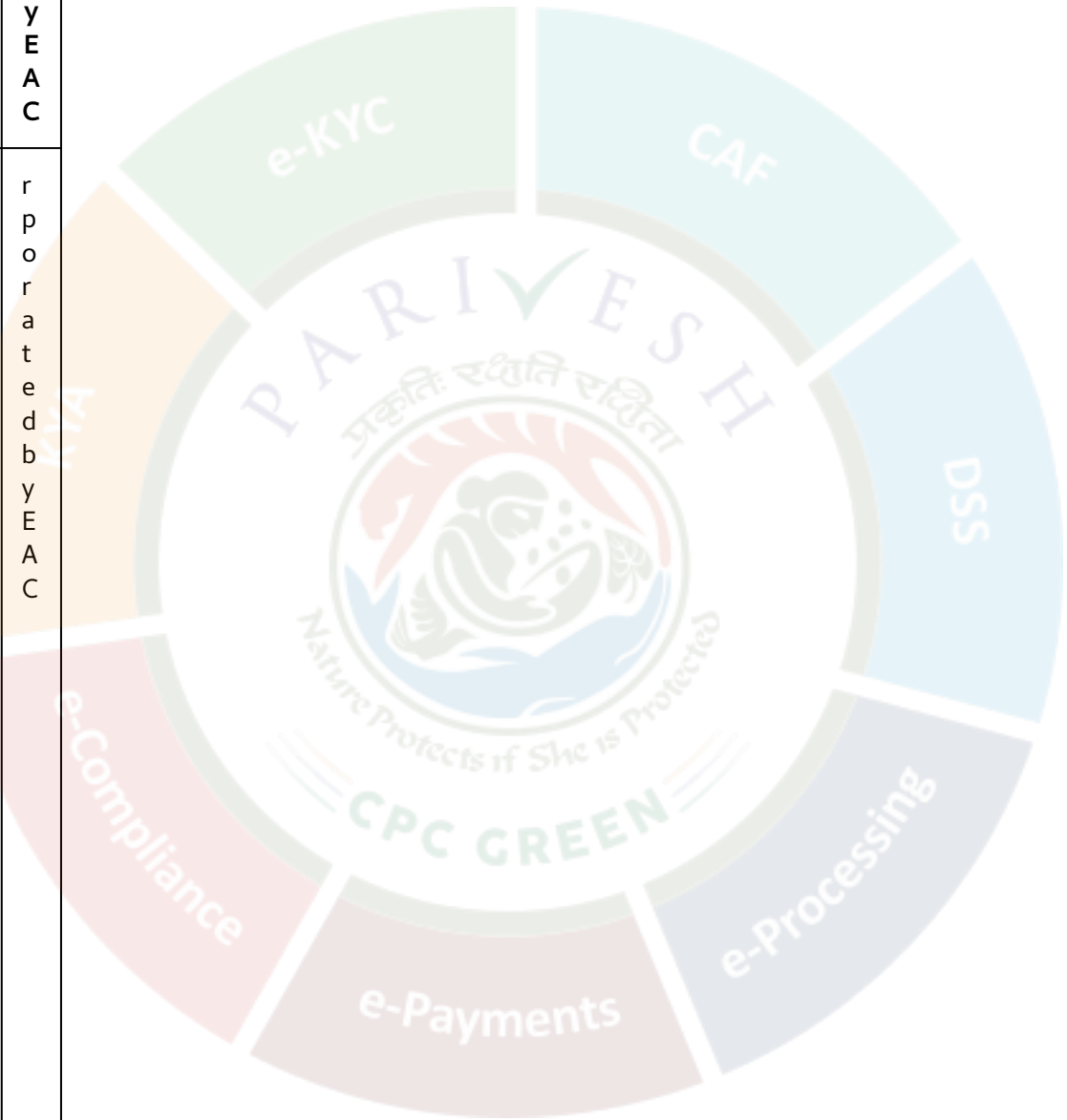
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ring construction and operation phases.	
	Ad equate plantation buffer and dust barrier shall be developed	A lready prescribed by EAC



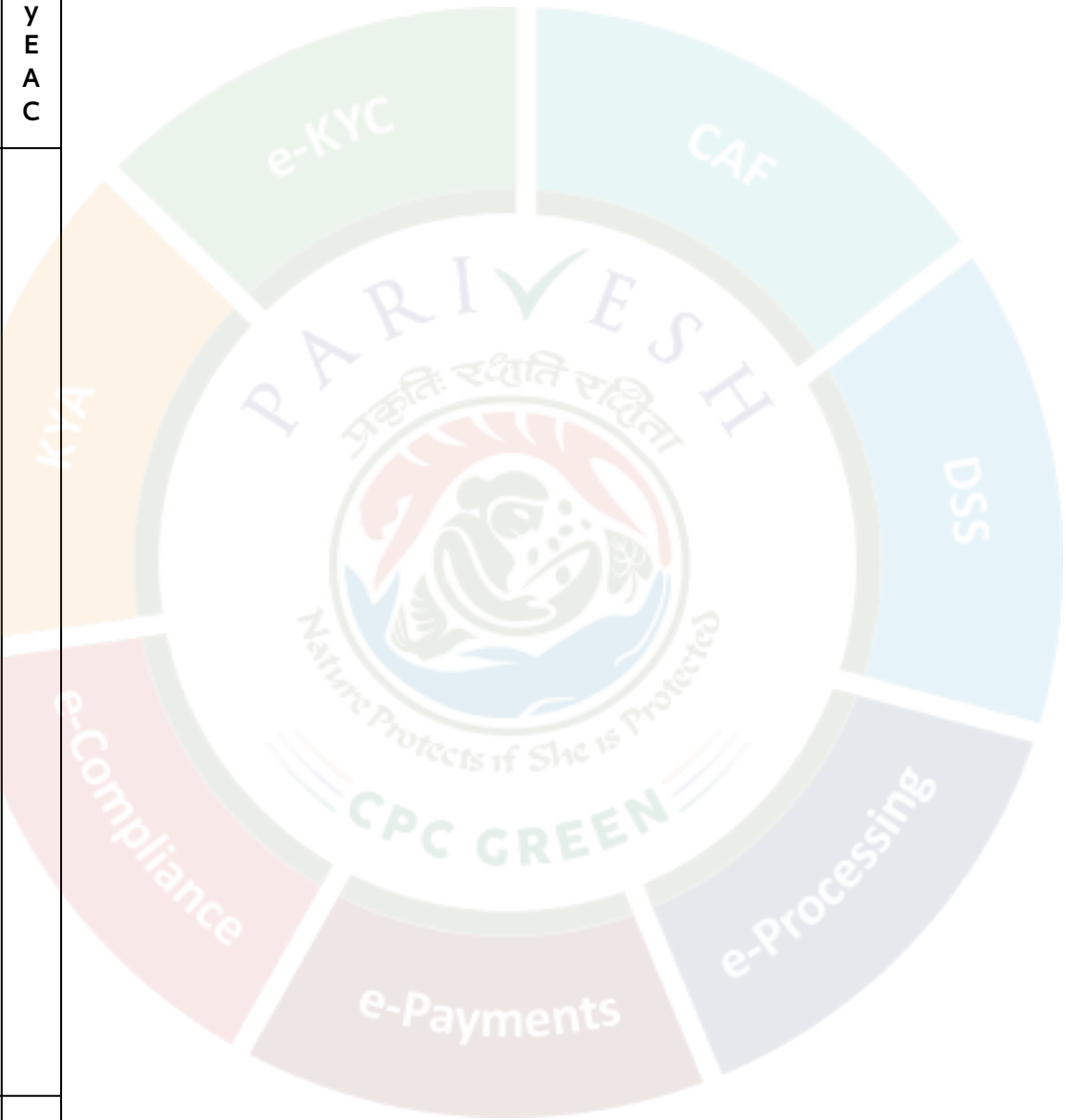
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	opened towards nearby villages and sensitive receptors.	
	The project proponents shall ensure that	Deliberated and in co



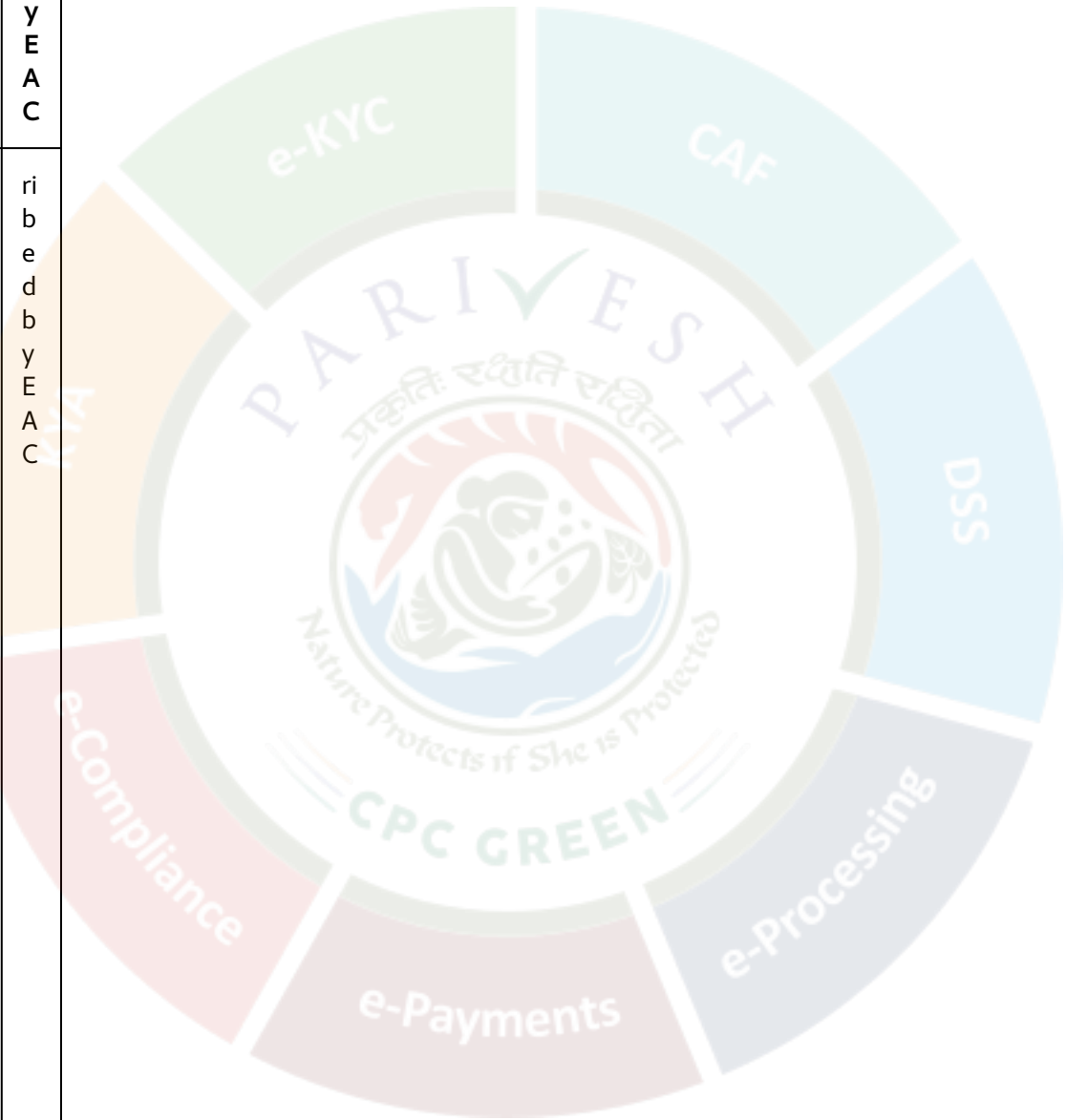
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	o wastewater, processes sludge, tailings or solid waste is discharged/ dumped outside the pre	rporated by EAC

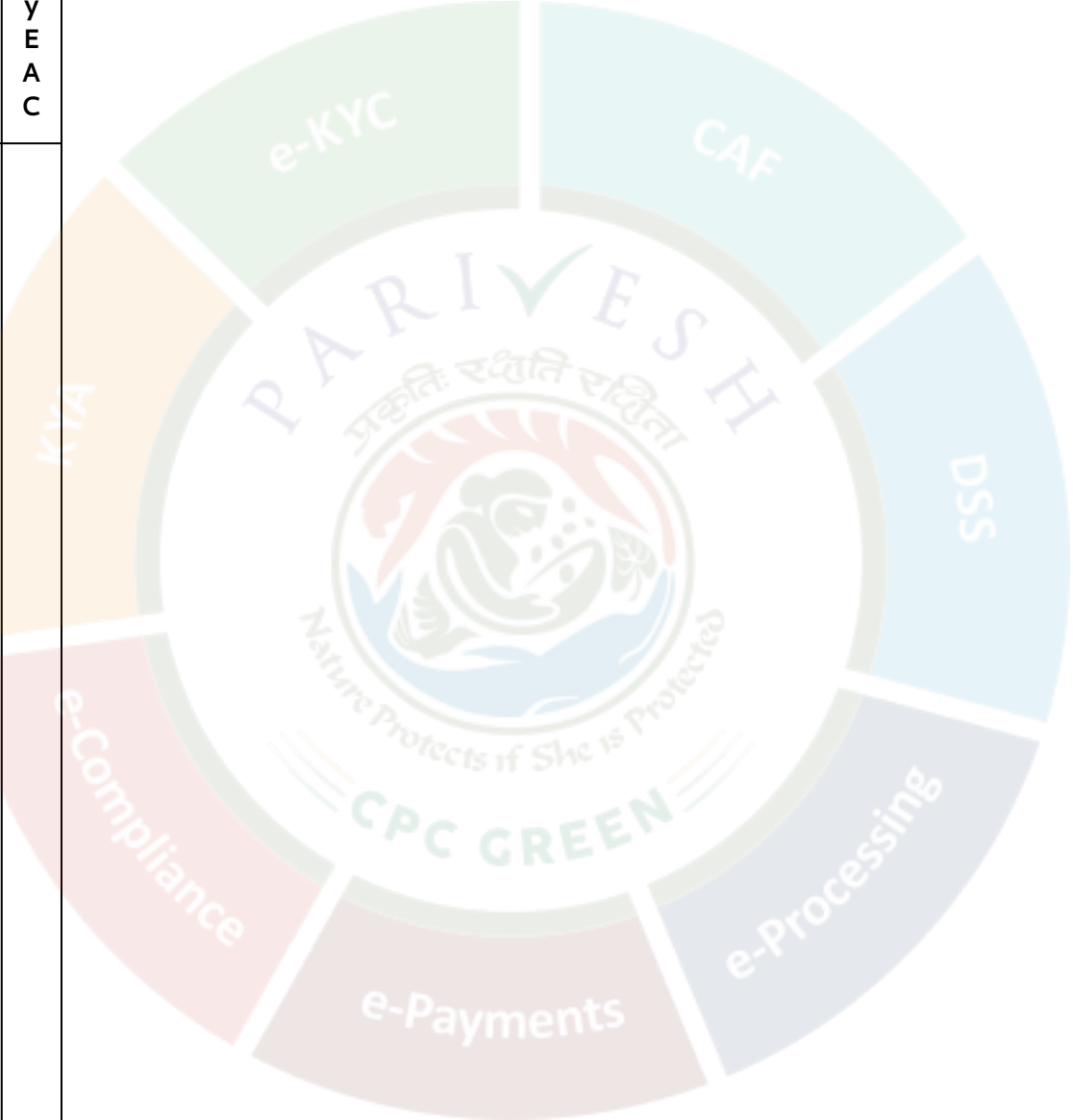


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	miss causing public complaisance or environmental degradation.	
Industry shall submit the	co	Already presc

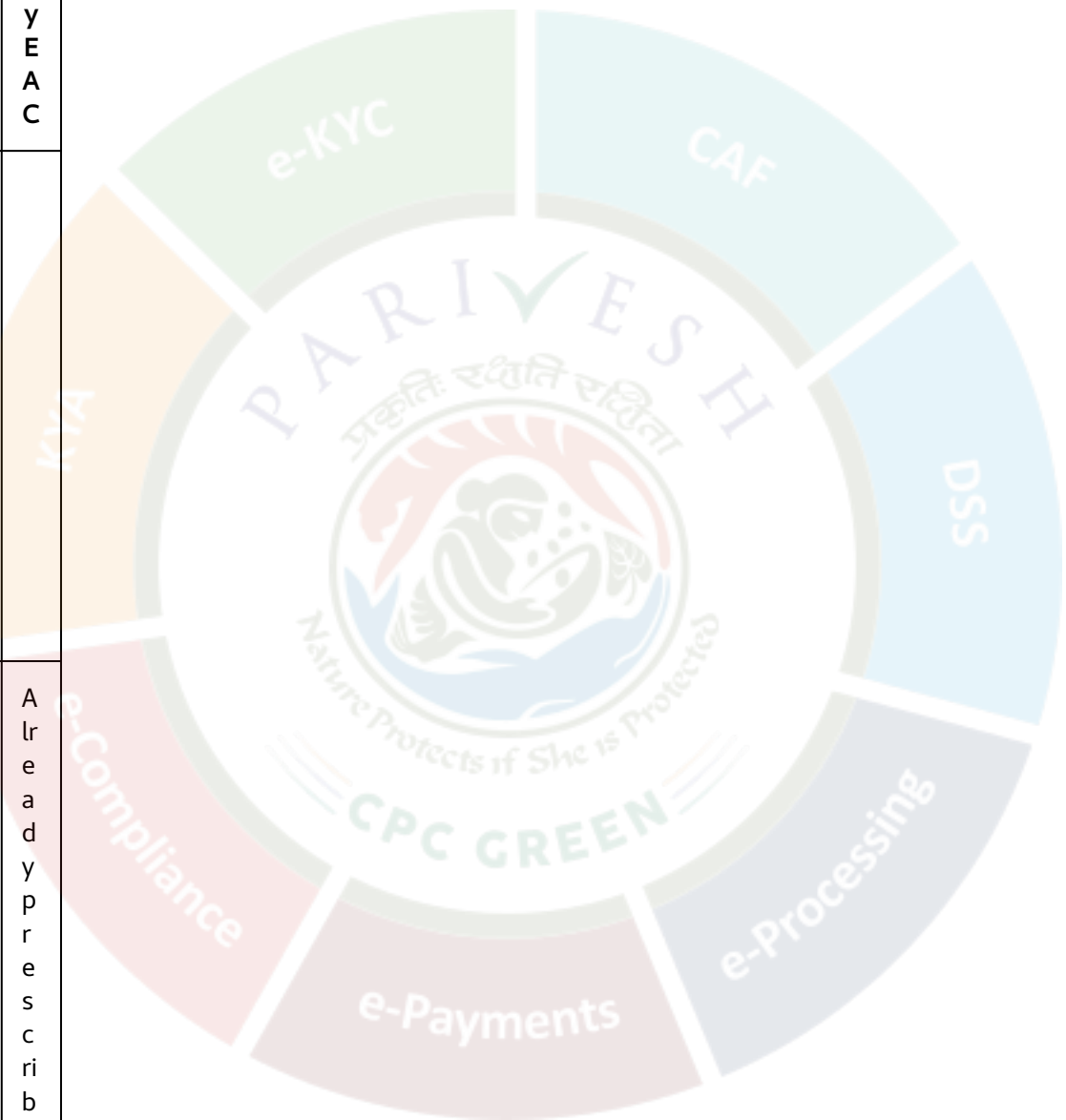


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	compliance to the conditions stipulated in Environmental Clearance letter. Consent	ribed by EAC

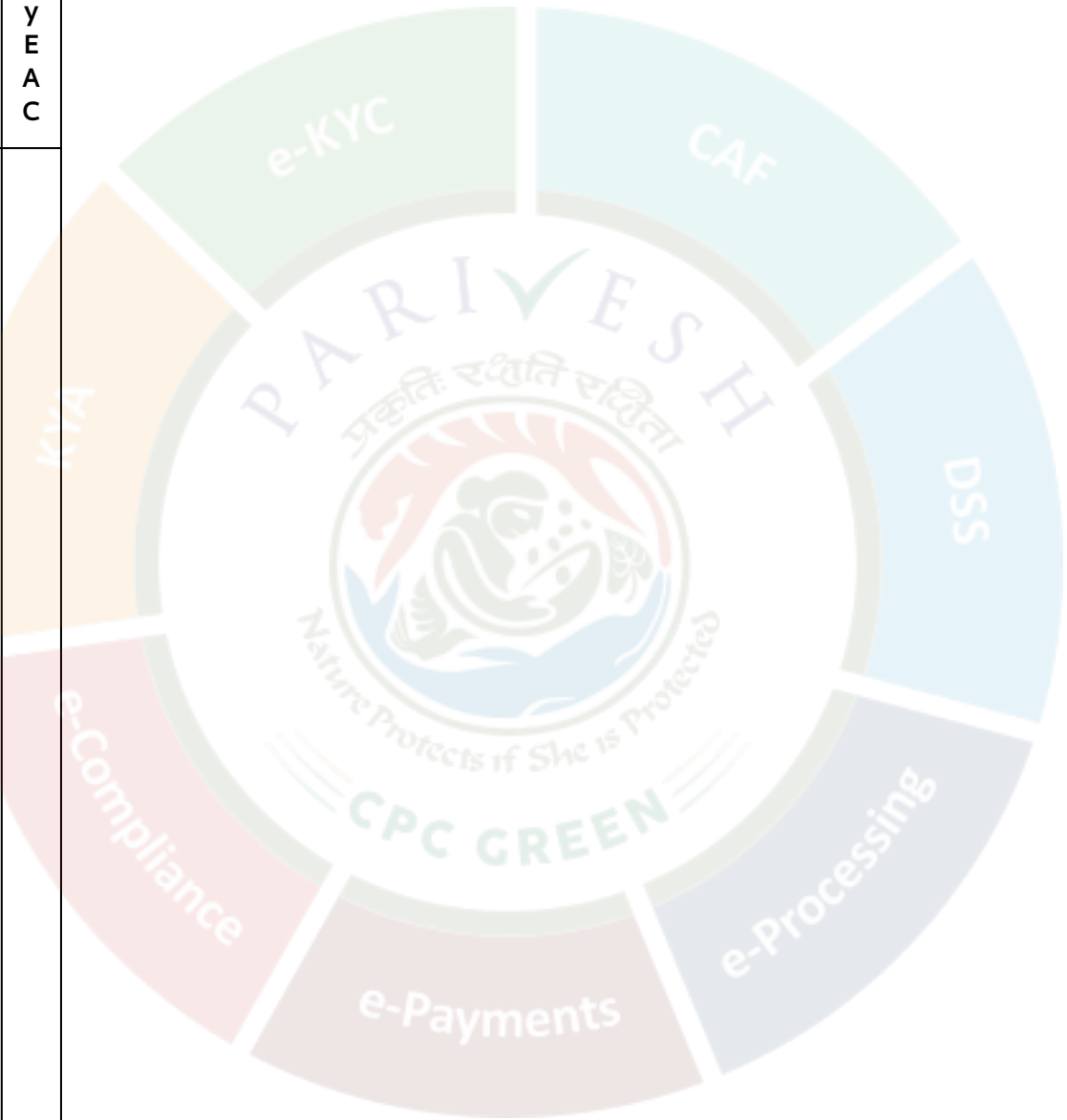


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ditions and environmental monitoring data shall be uploaded periodically on company website an	

S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	submitted to regulatory authorities.	
	Application for Consent to Operate (CTO) shall be made after	Already prescribed by EAC



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	r compliance of environmental clearance and all condition so far above Environmental Safeguards.	



24. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
25. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
26. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

3.2.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.2.6. Details of Environment Conditions

3.2.6.1. Specific

Specific	
1.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
2.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
3.	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
4.	PP shall complete acquisition of the remaining land in a time-bound manner and ensure that all requisite statutory permissions, including land conversion wherever applicable, are obtained
5.	Kopedih Village is located at about 0.7 km in the southwest direction, along with other nearby habitations. Educational institutions such as Primary School, Magarlota are located at about 1.27 km in the west direction. In addition, several healthcare facilities including Central India Institute of Mental Health and Neuro Sciences (~1.47 km, S), Primary Health Center Mangata (~3.39 km, NNW), and other hospitals are present within the study area, along with other sensitive areas within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall

	address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
6.	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
7.	The project proponent shall obtain necessary permissions from the State Forest Department/competent authority for tree cutting and transplantation and implement the same as per the approved plan. Tree felling shall be limited to bare minimum and in consultation and supervision of State Forest Department.
8.	A seasonal minor drain and a branch canal are located within the project area, Khapri Nala at about 0.1 km (N), Raja Talab at about 0.5 km (S), a water body near Kopedih at about 1.2 km (SW) along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
9.	The project proponent shall ensure that existing natural drains/nalas are not disturbed and that an adequate storm water drainage system is constructed within the plant premises as committed. The PP shall also comply with the conditions stipulated in the NOC granted by the Water Resources Department dated 26.06.2025.
10.	Existing Water requirement is 4400 m ³ /day (183.3 KLH), which will be obtained from the Shivnath (a.k.a. Seonath) River, treated waste water and rain water harvesting pond and ground water. The water requirement for the proposed project is estimated as 37,417 m ³ /day (1592 m ³ /hr), out of which 35,501 m ³ /day (1512 m ³ /hr) of fresh water requirement will be obtained from the Shivnath (a.k.a Seonath) River, rain water harvesting and ground water while the remaining requirement of 1,916 m ³ /day will be met from the recycled water. PP shall secure the required approval from the appropriate authority.
11.	As committed, the project proponent shall undertake widening of the existing 4 m road to 10 m road along with the avenue plantation on both the side from the plant gate to Joratarai over a length of 4.4 km at the committed cost of Rs. 8.8 crores, in a time-bound manner and in consultation with the concerned State Authorities.
12.	Green Belt shall be developed and maintained in the 27.73 ha area (33% of total project area), as committed and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop the greenbelt within a period of 3 years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
13.	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in).
14.	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 59 crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation

	of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
1 5.	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1 6.	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
1 7.	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1 8.	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1 9.	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
2 0.	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
2 1.	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
2 2.	PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
2 3.	PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
2 4.	Tailing pond, sludge storage area and hazardous waste storage area shall have impervious HDPE lining to prevent groundwater contamination.

2 5.	Tailings from beneficiation plant shall not be dumped indiscriminately and shall be scientifically managed with stability analysis and monitoring.
2 6.	Coke Oven emissions including Benzene Soluble Organic Fraction (BSOF) and fugitive emissions from charging/pushing operations shall be adequately controlled.
2 7.	Hot air/gas leakage from kilns, furnaces and coke ovens shall be prevented through proper maintenance and monitoring.
2 8.	Public complaints register and grievance redressal mechanism shall be maintained and action taken reports shall be submitted to CECB.
2 9.	Real-time monitoring data of emissions and effluent shall be displayed at plant gate and website.
3 0.	Baseline environmental quality of nearby villages shall be periodically assessed during construction and operation phases.
3 1.	The project proponent shall ensure that no wastewater, process sludge, tailings or solid waste is discharged/dumped outside the premises causing public complaints or environmental degradation.
3 2.	The project proponent shall carry out regular ambient air quality monitoring within the vicinity of plant premises, including nearby habitations, to assess incremental Ground Level Concentrations (GLC) due to project activities.
3 3.	The recommendations of CECB, to the extent not already covered under the stipulated EC conditions, shall be incorporated suitably without duplication.

3.2.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Statutory compliance	
1.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
2.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
Air Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

2.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
3.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
6.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
9.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
10.	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
11.	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
12.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
13.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
14.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
15.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
1	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular

6.	intervals.
1 7.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
1 8.	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
1 9.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
Air Quality Monitoring and Preservation in case of Ferro Alloy Plants	
1.	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
2.	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
3.	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
4.	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m ³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants. (in case of Silico Manganese and Ferro Silicon alloy steel)
5.	Modified wet quenching shall be used in coke ovens battery.
6.	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility). Land-based APC system shall be installed to control coke pushing emissions.
7.	Monitor CO, HC and O ₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
8.	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.
9.	The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
1 0.	The emission norms applicable for the cement plant shall be adhered to.
1 1.	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
1 2.	Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor

	systems and from transportation roads.
1 3.	The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
1 4.	The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.
1 5.	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
1 6.	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
Air Quality Monitoring and Preservation in case of DI Pipe	
1.	Ductile Iron (DI) plant shall have the following provisions: a. Bag filter for Zn coating and Mg converter area. b. Wet scrubbers in paint and bitumen coating area. c. Bag Filter in Cement lining area. d. PTFE dipped bags shall be used in the plant. e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm ³ . f. ETP with recycling facility shall be included.
Air Quality Monitoring and Preservation in case of BOF	
1.	Basic Oxygen Furnace (BOF) gas shall be cleaned dry
2.	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
3.	Low NO _x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.
Water Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.	Water meters shall be provided at the inlet to all unit processes in the plants.
5.	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.

6.	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
7.	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
8.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
Water Quality Monitoring and Preservation in case of Rolling Mills	
1.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time. (in case of rolling mills)
2.	The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
3.	Treated water from ETP of COBP shall not be used for coke quenching.
4.	The effluent discharge (workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
5.	Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
6.	
7.	An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
8.	Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
9.	Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
10.	No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m ³ /tonne of raw coal.
11.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
1	The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and

2.	around the Project Site up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government
1 3.	The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine Project Site up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government
1 4.	Tailing management plan shall be implemented as included in EIA report.
1 5.	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.
Noise Monitoring and Prevention	
1.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
2.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
3.	
Energy Conservation Measures	
1.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
2.	Restrict Gas flaring to < 1%.
3.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
4.	Provide LED lights in their offices and residential areas.
Energy Conservation Measures in case of Reheating Furnace	
1.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2.	Practice hot charging of slabs and billets/blooms as far as possible.
3.	Ensure installation of regenerative type burners on all reheating furnaces
Energy Conservation Measures in case of Blast Furnace	
1.	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
2.	Modified Wet Quenching System shall be provided for coke quenching for both recovery and non-

	recovery type coke ovens.
Energy Conservation Measures in case of DRI Kilns (Sponge Iron)	
1.	The project proponent shall provide waste heat recovery system on the DRI Kilns.
2.	The dolochar generated shall be used for power generation.
3.	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
4.	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
5.	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production.
6.	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
Waste Management	
1.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
2.	Kitchen waste shall be composted or converted to biogas for further use.
3.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
5.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
6.	Solid waste utilization: a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.
Waste Management in case of Sinter Plant	
1.	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
2.	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant

	shall be installed.
3.	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
4.	
5.	Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).
6.	Rejects / Middlings from coal washery shall only be used either in the captive power plant (or) in the Thermal Power Plants or any other industry meeting emission standards.
Green Belt	
1.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
2.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
3.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
Public Hearing and Human Health Issues	
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
3.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
Environment Management	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
2.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and

	balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
6.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
7.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
8.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
9.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned

	Regional Office of the MoEF&CC.
1 1.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
1 2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
1 3.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
1 4.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1 5.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1 6.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
1 7.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3.3. Agenda Item No 3:

3.3.1. Details of the proposal

Establishment of Greenfield steel plant comprising of DRI Kilns (Sponge Iron - 1,75,200 TPA), Induction Furnaces with matching CCM (90 % Hot Billets remaining 10% Billets - 1,65,600 TPA), Rolling Mills (TMT bars / Structural Steel) (Hot charging with Hot Billets and Billets through RHF with Gasifier as fuel - 2,07,000 TPA), Coal Gasifier - 4000 NM3/Hr., Ferro Alloy Unit 1 x 9 MVA & 1 x 7.5 MVA (FeSi - 12,800 TPA/ FeMn - 36,600 TPA/ SiMn - 25,600 TPA/FeCr - 27,000 TPA/ Pig Iron - 44,000 TPA), B by MR INTEGRATED STEELS PRIVATE LIMITED located at DURG, CHHATTISGARH			
Proposal For		Fresh EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/CG/IND1/560889/2026	IA-J-11011/228/2024-I A-II(IND-I)	01/04/2026	Metallurgical Industries (ferrous and non ferrous) Integrated Steel Plants (3(a))

3.3.2. Project Salient Features

[Proposal no.: IA/CG/IND1/560889/2026; File No. IA-J-11011/228/2024-IA-II (IND-I)]

[Consultant: Pioneer Enviro Consultants Private Limited; Valid upto: 09.09.2029]

Date of Application	Consideration	Details	Date of Accord	ToR Validity
25.05.2024	61 st meeting of the EAC for Industry-I sector held on 18 th - 19 th June 2024	Terms of Reference	10.08.2024	09.08.2028

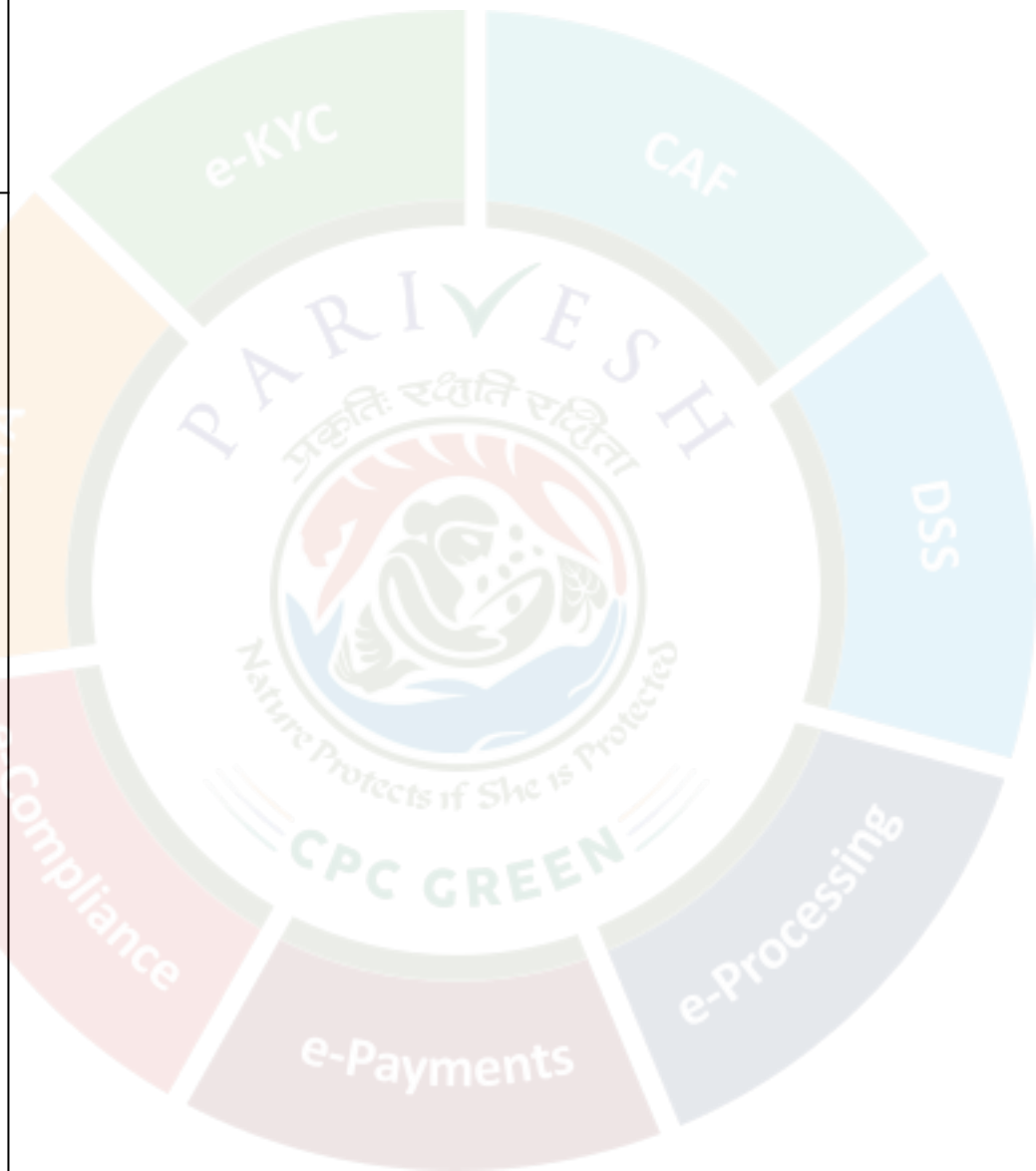
S.No.	EDS point	Reply by Management
1.	PP is requested to upload a detailed document in not	No tarized English translation of document



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	ar iz e d E n g l i s h t r a n s l a t i o n , a n d a s p e r t h e O M d a t e d 0 7- 1 0- 2 0 1 4.	e n t s a r e u p l o a d e d i n P a r i v e s h P o r t a l.

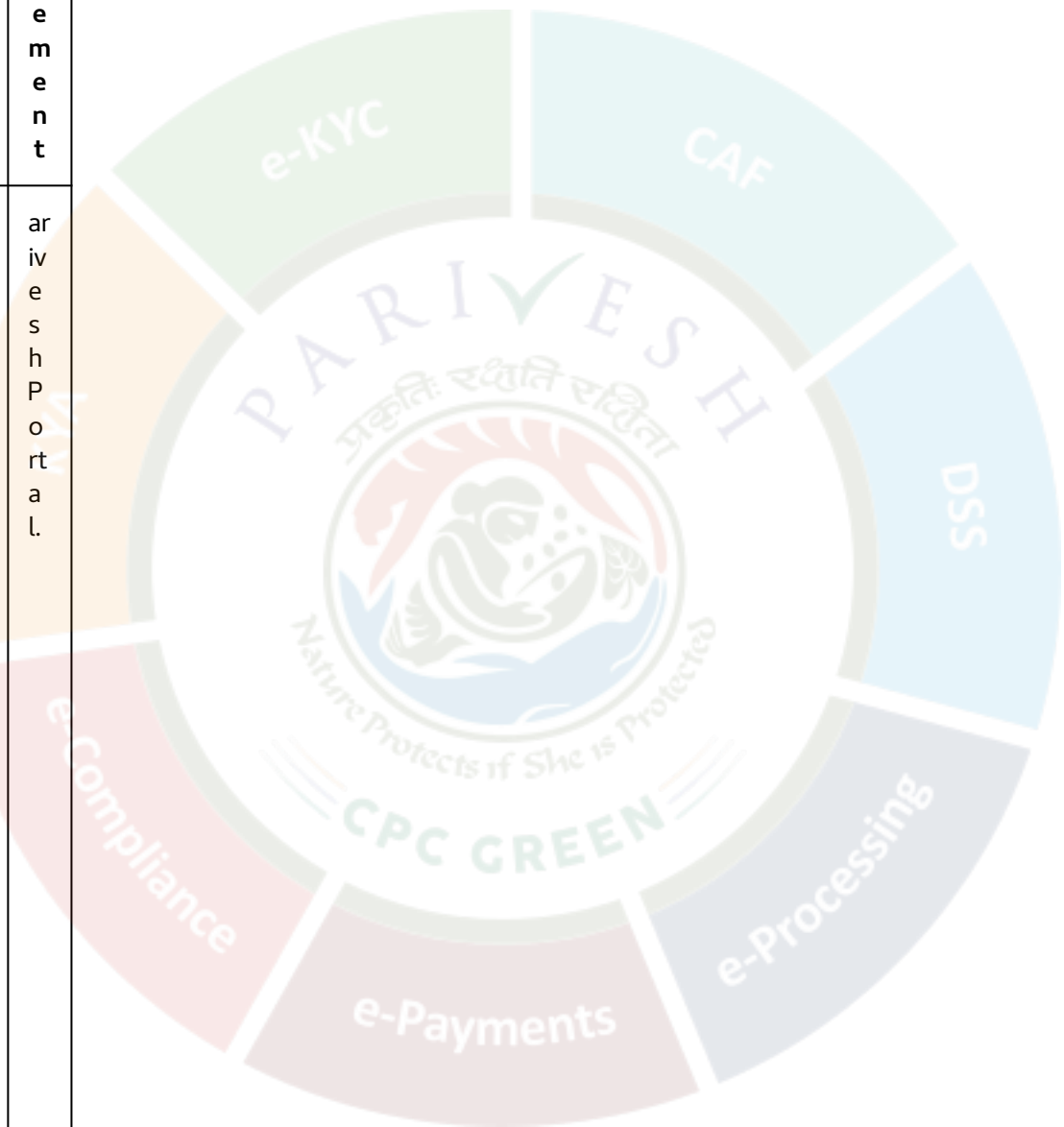


S.N o.	E D S p o i n t	R e p l y b y M a n a g e m e n t
2.	P P m a y e n l i s t a l l t h e e n v i r o n m e n t a l l y s e n s i t i v e r e c e p t o r s w i t h i n	D e t a i l s o f e n v i r o n m e n t a l s a f e g u a r d s a n d m i t i g a t i o n m e a

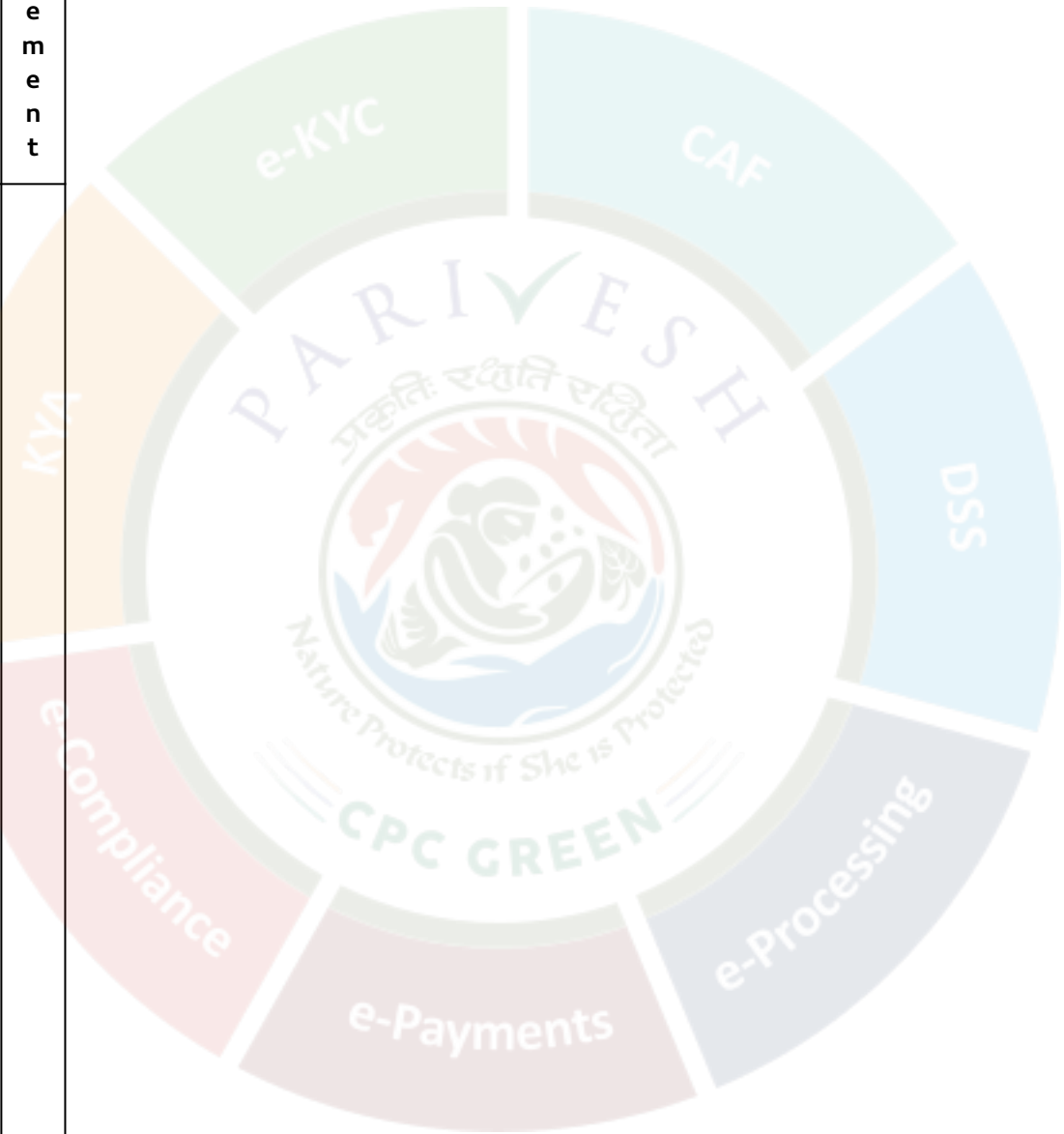


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S.N o.	E D S p o i n t	R e p l y b y M a n a g e m e n t
	gi ca l si te s, F o r e s t, w a t e r b o d i e s e t c. a n d o t h e r e n v i r o n m e n t a l s e n s i	ar iv e s h P o r t a l.



S.N o.	E D S p o i n t	R e p l y b y M a n a g e m e n t
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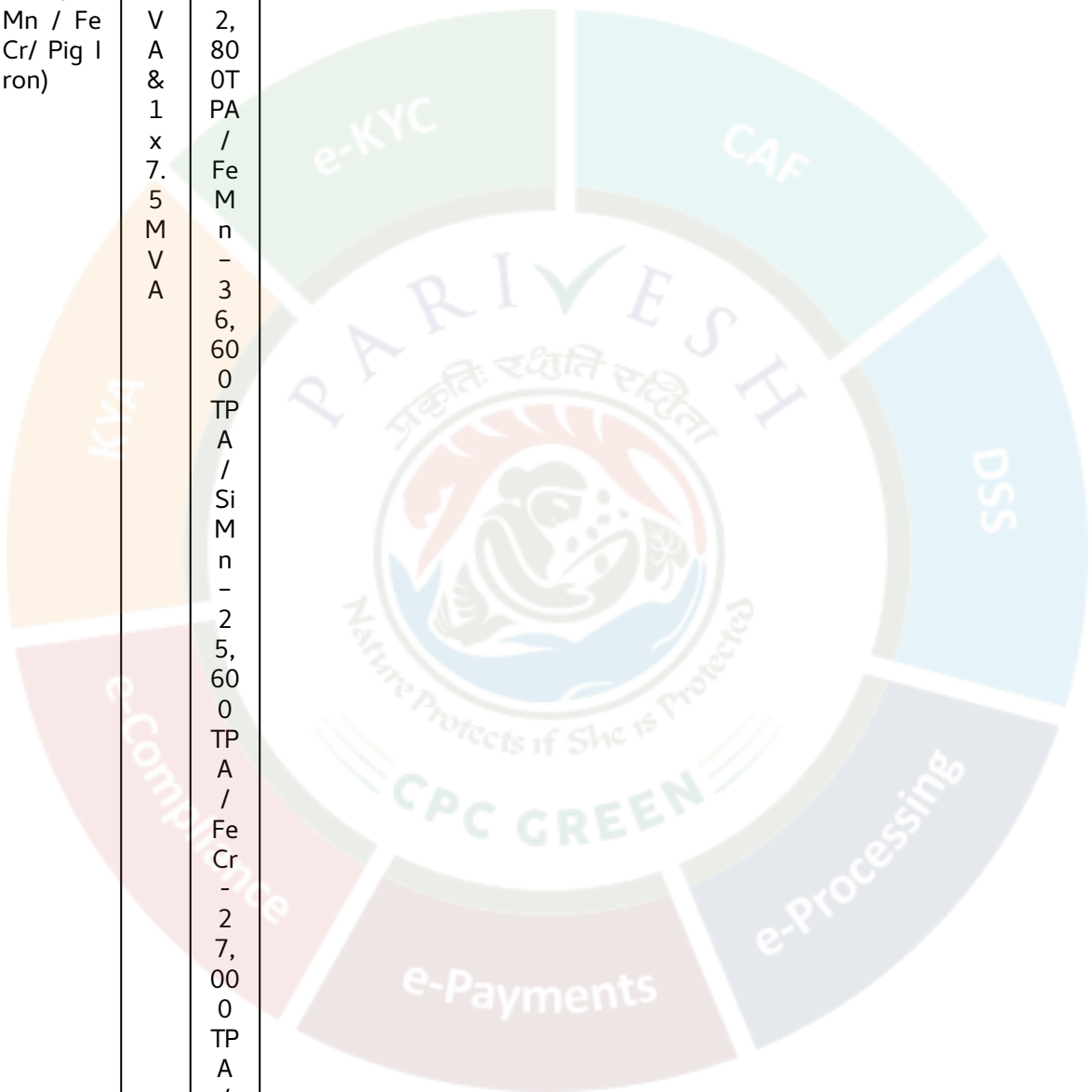


S.N o.	E D S p o i n t	R e p l y b y M a n a g e m e n t																				
	p r a i s a l b y E A C																					
1.																						
	Land acquisition details as per MoEF&C C O.M. dated October 2014.	Total land identified for the proposed project is 15.36 Ha. and same is registered in the name of M/s. MR Integrated Steels Pvt. Ltd.	Entire Land is diverted for Industrial Purpose																			
	Existence of habitation & involvement of R&R, if any.	Project site: No habitation exists in the plant site. Nawagoan Village- 0.9 Kms. (N Direction)																				
	Latitude and Longitude of the project site	<table><tr><th>S.No.</th><th>Point</th><th>Coordinates</th></tr><tr><td>1.</td><td>Point # 1</td><td>21° 29'14.37"N 81°11'39.60"E</td></tr><tr><td>2.</td><td>Point # 2</td><td>21° 29'14.00"N 81°11'46.56"E</td></tr><tr><td>3.</td><td>Point # 3</td><td>21° 9'11.12" N 81°11'47.58"E</td></tr><tr><td>4.</td><td>Point # 4</td><td>21° 9'10.52" N 81°11'57.22"E</td></tr><tr><td>5.</td><td>Point # 5</td><td>21°29'02.6</td></tr></table>	S.No.	Point	Coordinates	1.	Point # 1	21° 29'14.37"N 81°11'39.60"E	2.	Point # 2	21° 29'14.00"N 81°11'46.56"E	3.	Point # 3	21° 9'11.12" N 81°11'47.58"E	4.	Point # 4	21° 9'10.52" N 81°11'57.22"E	5.	Point # 5	21°29'02.6		
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11.	Point # 11	21° 29'5.98" N 81°11'41. 83"E																						
	Elevation of the project site																							
	Involvement of Forest Land, if any																							
	Water body exists within the project site as well as study area	Project Site:Nil Study area: <table><tr><th>Name</th><th>Distance (Kms.)</th><th>Direction</th></tr><tr><td>Konka Village Pond</td><td>0.03</td><td>N</td></tr><tr><td>Moti Nala</td><td>2.00</td><td>E</td></tr><tr><td>Kulhuri Nala</td><td>7.00</td><td>S</td></tr><tr><td>Amner River</td><td>7.10</td><td>S</td></tr></table>	Name	Distance (Kms.)	Direction	Konka Village Pond	0.03	N	Moti Nala	2.00	E	Kulhuri Nala	7.00	S	Amner River	7.10	S	NOC has been issued by Water Resources department govt. of Chhattisgarh vide letter dated 8-12-2025.						
Name	Distance (Kms.)	Direction																						
Konka Village Pond	0.03	N																						
Moti Nala	2.00	E																						
Kulhuri Nala	7.00	S																						
Amner River	7.10	S																						
	Existence of ESZ / ESA / National Park / Wildlife Sanctuary / Biosphere Reserve / Tiger Reserve / Elephant Reserve etc. if any within the study area		----																					

S. N o.	Units (P roduct s)	Pl an t C on fi gu ra ti on	Pr od uc ti on C ap ac it y
	DRI Kiln s (Sponge Iron)	2 x 25 0 TP D	1, 7 5, 20 0 TP A
	Inductio n Furnac es with CCM (90 % H ot Billet s remain ing 10% Billets)	4 x 12 T	1, 6 5, 60 0 TP A
	Rolling mill (TMT ba rs / Stru ctural St eel) (Hot cha rging wi th Hot B illets an d Billets through RHF wit h Gasifie r as fue l)	1 x 60 0 TP D	2, 0 7, 00 0 TP A
	Gasifier for Rehe ating Fu rnace	1 x 40 00 N M 3/ H r.	1 x 40 00 N M 3/ H r.
	Ferro All oys Unit (FeSi / F	1 x 9	Fe Si -

S. N o.	Units (P roduct s)	Pl an t C on fi gu ra ti on	Pr od uc ti on C ap ac it y
	eMn / Si Mn / Fe Cr/ Pig I ron)	M V A & 1 x 7.5 M V A	1 2, 80 0T PA / Fe M n - 3 6, 60 0 TP A / Si M n - 2 5, 60 0 TP A / Fe Cr - 2 7, 00 0 TP A / Pi g I ro n - 4 4, 00 0 TP A



S. No.	Units (Products)		Plant Configuration	Production Capacity
	Brick Manufacturing Unit		20,000 Brick/day	20,000 Brick/day
	Briquetting Plant		200 Kg./Hr.	200 Kg./Hr.
	Power Plant (15 MW)	WHRB Power Plant	2 x 5 MW	10 MW
		FBC Power Plant	1 x 5 MW	5 MW

S. No.	Raw Material	Quantity (TPA)	Sources	Distance w.r.t site (in Kms.)	Mode of Transport
1	Pellets	2,54,040	Odisha & Chhattisgarh	~ 500	By rail & road (through covered trucks)

S. No.	Raw Material		Quantity (TPA)	Sources	Distance w.r.t site (in Kms.)	Mode of Transport
	(or)					
2	Iron Ore		2,80,320	Barbil, Orissa NMDC, Chhattisgarh	~ 500	By rail & road (through covered trucks)
3	Dolomite		23,040	Chhattisgarh	~ 150	By Rail & Road (Covered trucks)
4	Sponge iron		1,62,000	Own generation	---	Through covered conveyers
5	MS Scrap / Pig Iron		35,000	Own generation & Purchased from outside	~ 100	By road (through covered trucks)
6	Ferro alloys		3,000	Own generation	---	By road (through covered trucks)
7	Coal	Indian	2,70,260	SECL Chhattisgarh / MCL Odisha	~ 500	By rail & road (through covered trucks)
		(or)				
		Imported	1,73,966	Indonesia / South Africa / Australia/Any other country	~ 600	Through vessel, rail & by road (Covered trucks)
8	Hot Billets		1,49,040	Own generation	---	----
9	Billets (for Reheating furnace)		71,170	Own generation & Purchased from outside	--- ~ 100	By road (through covered trucks)
10	LDO / LSHS		1880 Kl/annum	Nearby IOCL Depot	~ 100	By road (through Tankers)
11	Quartz		38,767	Chhattisgarh / Andhra Pradesh	~ 500	By road (through covered trucks)
12	Coke		79,632	Andhra Pradesh	~ 500	By road

S. No.	Raw Material	Quantity (TPA)	Sources	Distance w.r.t site (in Kms.)	Mode of Transport
			h		(through covered trucks)
13	Electrode paste	3,137	Maharashtra / West Bengal	~ 300	By road (through covered trucks)
14	Briquetted Bagfilter dust	1,820	Own generation	---	---
15	Manganese Ore	1,39,040	MOIL / OMC	~ 500	By Rail & Road (through covered trucks)
16	FeMn Slag	11,520	Own generation	---	---
17	Chrome Ore	64,800	Sukinda/Odisha	~ 500	By road (Covered trucks)
18	Bauxite	4,050	Chhattisgarh / Maharashtra	~ 500	By road (through covered trucks)
19	Fluorspar	1,100	Maharashtra / West Bengal	~ 300	By road (through covered trucks)
20	Lime stone	6,600	Chhattisgarh	~ 100	By road (through covered trucks)
1 st March 2024 to 31 st May 2024					
AAQ parameters at all sampling locations	AAQ brief for all 8 nos. of stations is as following $PM_{2.5} = 25.3$ to 36.8 mg/m^3 $PM_{10} = 41.9$ to 62.4 mg/m^3 $SO_2 = 7.2$ to 14.1 mg/m^3 $NO_x = 10.5$ to 21.4 mg/m^3 $CO = 449$ to 1070 mg/m^3				
	Maximum Incremental GLCs due to the proposed project: $PM_{2.5} = 0.73 \text{ } \mu\text{g/m}^3$ (800 m in E) ; $PM_{2.5} = 0.16 \text{ } \mu\text{g/m}^3$ (vehicular) $PM_{10} = 1.29 \text{ } \mu\text{g/m}^3$ (800 m in E) ; $PM_{10} = 0.26 \text{ } \mu\text{g/m}^3$ (vehicular) $SO_2 = 5.08 \text{ } \mu\text{g/m}^3$ (860 m in E) $NO_x = 7.90 \text{ } \mu\text{g/m}^3$ (950 m in E) ; $NO_x = 1.97 \text{ } \mu\text{g/m}^3$ (vehicular) $CO (\text{ind}) = 0.29 \text{ } \mu\text{g/m}^3$; $CO = 1.28 \text{ } \mu\text{g/m}^3$ (vehicular)				
Ground water quality	pH- 7.1 to 7.8, TDS (in mg/l) - 435 to 572, TSS (in mg/l)-0.51 to 1.33, Total Hardness (in mg/l)- 219 to 286, Chlorides (in mg/l)- 229 to 293, Fluoride (in mg/l) -0.44 to				

	0.78, Heavy metals Iron (in mg/l) - 0.16 to 0.35.																			
Surface water quality	pH - 7.6 to 8.1, DO (in mg/l) -4.6 to 6.9, BOD (in mg/l) – 2.1 to 2.8, COD (in mg/l) – 5.3 to 7.0, TDS (in mg/l) -467 to 640, Sulphates (in mg/l) - 144 to 228, Chlorides (in mg/l) -253 to 316, Fluoride (mg/ml) - 0.61 to 0.89, Fe (mg/l)-0.19 to 0.33.																			
	The equivalent day-night noise levels in the study zone are ranging from 44.97 dBA to 53.72 dBA.																			
Traffic assessment study Findings	<table><tr><th>Road</th><th>V (Volume in PCU/hr.)</th><th>C (Capacity in PCU/hr.)</th><th>Proposed V/C Ratio</th><th>LOS</th></tr><tr><td>Baseline</td><td>545.80</td><td>1500</td><td>0.36</td><td>B</td></tr><tr><td>During operation of the proposed project</td><td>587.78 (545.80 + 41.98)</td><td>1500</td><td>0.39</td><td>B</td></tr></table>					Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS	Baseline	545.80	1500	0.36	B	During operation of the proposed project	587.78 (545.80 + 41.98)	1500	0.39	B
	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS															
	Baseline	545.80	1500	0.36	B															
	During operation of the proposed project	587.78 (545.80 + 41.98)	1500	0.39	B															
	V/C		LOS	Performance																
	0.0 – 0.2		A	Excellent																
	0.2 – 0.4		B	Very Good																
	0.4 – 0.6		C	Good																
	0.6 – 0.8		D	Fair/ Average																
	0.8 – 1.0		E	Poor																
	1.0 & above		F	Very Poor																
	· V/C after proposed project will be 0.031. Hence LOS will be 'B' .																			
· Hence the existing road is capable of taking the additional vehicular traffic due to the proposed project.																				
Flora and fauna																				
S.No.	Waste	Quantity (TPA)	Proposed method of disposal																	
1.	Ash from DRI	31,536	Will be utilized in the proposed Brick Manufacturing Unit																	
2.	Dolochar	35,040	Will be used in proposed FBC power plant as fuel.																	
3.	Kiln Accretion Slag	1,577	Will be utilized in the proposed Brick Manufacturing Unit																	
4.	Wet scrapper sludge	7,008	Will be utilized in the proposed Brick Manufacturing Unit																	
5.	SMS Slag	33,400	Will be given to road contractor for road laying																	
6.	End Cuttings from	6,605	Will be reused in the SMS																	

S.No.	Waste	Quantity (TPA)	Proposed method of disposal
	Rolling Mill		
7.	Mill scales from Rolling Mill	4,403	Mill scales will be utilized in the proposed Ferro alloy manufacturing units.
8.	Ash from Power Plant (Indian Coal + Dolochar)	26,505	Will be utilized in the proposed Brick Manufacturing Unit
9.	Slag from FeMn	36,600	Will be reused in manufacture of SiMn as it contains high SiO ₂ and Silicon.
(or)			
10.	Slag from FeSi	1,792	Will be given to Cast iron foundries
(or)			
11.	Slag from SiMn	25,600	will be used for Road construction / will be given to slag cement manufacturing
(or)			
12.	Slag from FeCr	24,300	Will be processed in Ziggling plant for Chrome recovery. After Chrome recovery, the left-over slag will be analysed for Chrome content through TCLP test, if the Chrome content in the slag is within the permissible limits, then it will be utilised for Road laying /brick manufacturing. If Chrome content exceeds the permissible limits, it will be sent to nearest TSD F.
13.	Slag from Pig Iron	26,400	Will be given to slag-based cement manufacturing unit
Note: Solid waste utilisation will be in accordance with SWM Rules January 2026.			
Details of advertisement given		Public Hearing Notice published in Newspapers "Navbharat Sampu	

	rn (Hindi)" & "Financial Express, New Delhi (English)", Dated 14.06.2025
Date of Public Consultation	16/07/2025 at 12.00 Noon
Venue	At Khasra No. 505, near Navagaon Rounda chowk, Village-Rounda, Block & Tehsil-Dhamdha, District-Durg (C.G.)).
Presiding Officer	Additional District Magistrate (ADM), Durg District
Major issues raised	Ø Environmental Pollution, effect on crops and effect on health of the people. Ø Employment to local people Ø Developmental activities in the village Ø Proposed Air pollution control systems Ø Project benefit and impact on land

Action Plan as per OM dated 30.09.2020

S.N O.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPEN DITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lak hs)	2 nd Year (Rs. in Lakh s)	3 rd Year (Rs. in Lak hs)	
A). Based on SIA Study						
1	Community & Infrastructure Development Programmes					
	i. Construction of public toilets	Physical N os. & villa ge	1 no. in ea ch Konka (v), Navagaon (v) & Roun da (v)	1 no. in eac h Konka (v), Navagaon (v) & Rounda (v)	---	18
		Budget in Lakhs	9	9	--	
	ii. Drinking water facility for villagers	Physical N os. & villa ge	1 nos. of mineral wa ter plant in each Konk a (v), Roun da (v) & Nawagaon (v)	---	1 nos. of mineral wa ter plant in each Konk a (v), Roun da (v) & Nawagaon (v)	30
		Budget in Lakhs	15	---	15	
	iii.Vermicomposting facil ity/ Organic fertilizers supplied to surroundi	Physical N os. & villa ge	Konka (v)	Rounda (v)	Navagaon (V)	10

S.N O.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPEN DITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
	ng farmers	Budget in Lakhs	3	3	4	58
					Total	
2	Education					
	i. Provide furniture, computer facility Library facility in school	Physical Nos. & village	Nawagaon (v)	---	---	10
		Budget in Lakhs	10	---	---	
					Total	10
3	Health & hygiene					
	i. Sanitation facility in existing schools	Physical Nos. & village	Nawagaon (v)	---	---	5
		Budget in Lakhs	5	---	---	
	ii. Napkins Vending Machine in High Schools.	Physical Nos. & village	Machines will be installed in Nawagaon (v)	---	---	5
		Budget in Lakhs	5	---	---	
					Total	10
					TOTAL (A)	78
B). Based on Public Consultation/Hearing						
1	Primary Health Centre with Ambulance facility	Physical Nos. & village	Primary Health Centre with Ambulance in Konka (v)			100
		Budget in Lakhs	100			

S.N O.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPEN DITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
2	RWH pits and De-siltation of pond in surrounding villages	Physical Nos. & village	Rounda (v)	Konka (v)	Saleh Kalan (V)	45
		Budget in Lakhs	15	15	15	
3	Plantation in nearby villages & along the Roads	Physical Nos. & village	500 nos. of plant in each Konka (V), Nawagaon (V), Raunda (V), Gorpa (V), Khurd (V), Saleh (V)	500 nos. of plant in each Konka (V), Nawagaon (V), Raunda (V), Gorpa (V), Khurd (V), Saleh (V)	500 nos. of plant in each Konka (V), Nawagaon (V), Raunda (V), Gorpa (V), Khurd (V), Saleh (V)	45
		Budget in Lakhs	15	15	15	
4	Water sprinkling along road side in villages	Physical Nos. & village	Water sprinkling along road side in the Konka (v), Rounda(v), Navagaon (v)			12
		Budget in Lakhs	4	4	4	
5	Impart training to the local villagers for skill development." Skill Development Centre" along with necessary infrastructure for various vocational training program for employment generation in association with National Skill Development Mission (Automobile Repair, Welding, Electrical, Computer Hardware, Soft skills like computer programs etc.)	Physical Nos. & village	Skill Development center in Konka/ Rounda/Navagaon or any other suitable location			230
		Budget in Lakhs	70	80	80	
					Total (B)	432
	Grand Total (A + B)		251	126	133	510

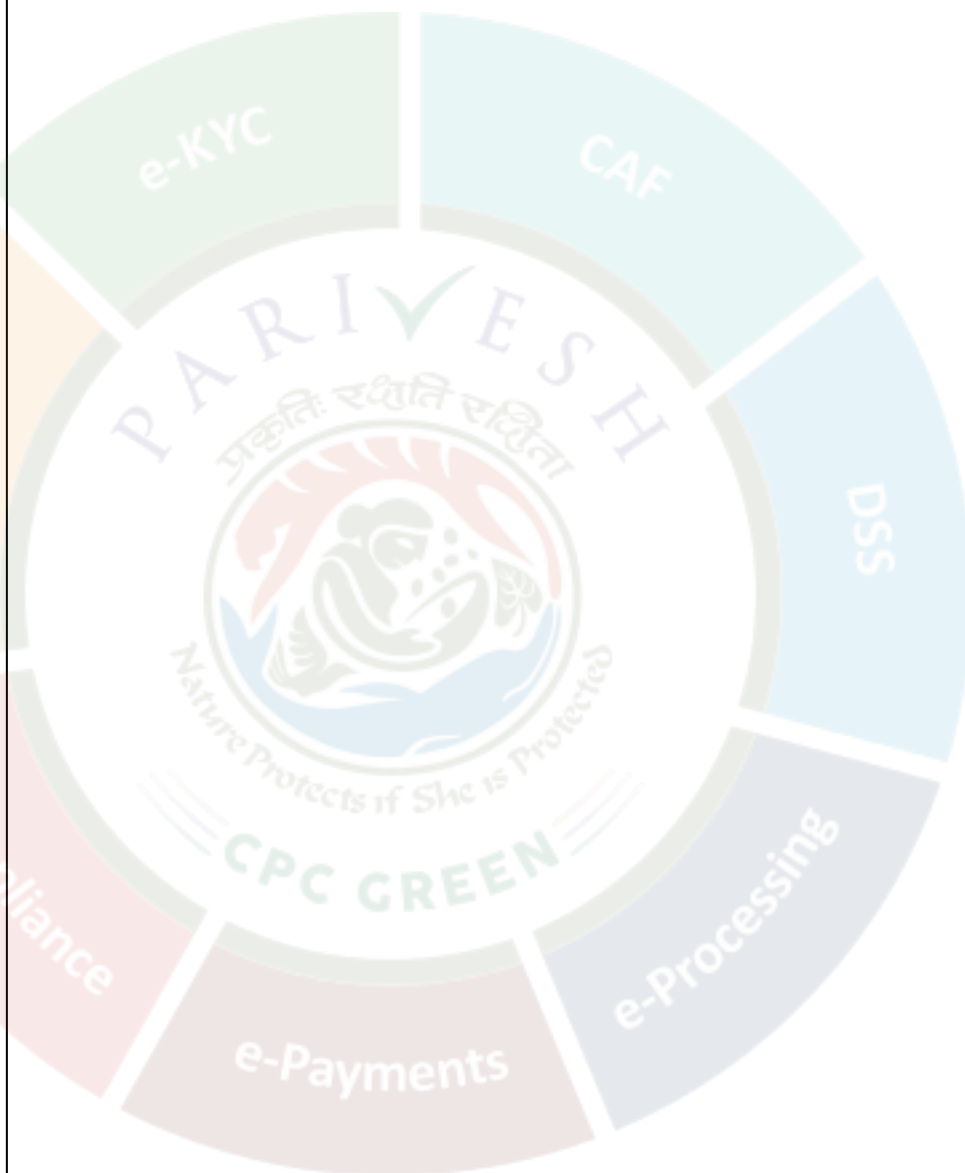
S.N O.	MAJOR ACTIVITY HEADS	YEAR OF IMPLEMENTATION			TOTAL EXPEN DITURE (Rs. in Lakhs)
		1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	

Recurring expenditures under CSR as per companies Act 2014 (this is not part of SID)
Health checkup will be carried out periodically in surrounding villages as mentioned above @ Rs 5.0 Lakhs every year.

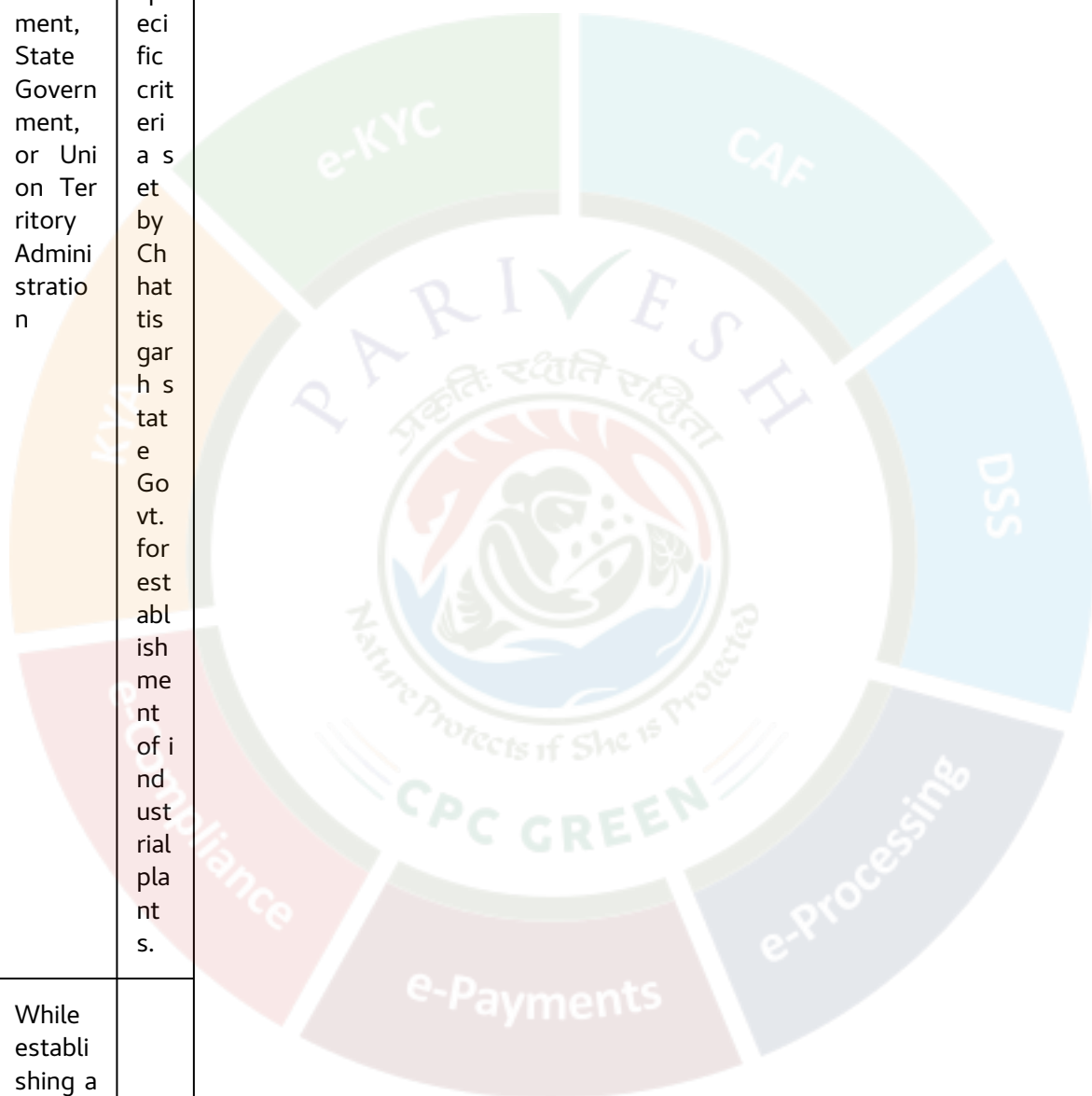
S. N o.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / An num (Rs.in Lakhs)
1	Air Emission Management		
	· Electro Static Precipitators (ESPs)	12.00	360
	· Fume Extraction system with bag filters	5.00	18
	· other APCS & Conveyor systems	3.00	45
	· Stacks	3.00	12.5
	· Mechanical Dust sweepers	0.50	2
	· Water Sprinklers	0.20	0.5
2	Wastewater Management		
	· ETP	1.00	10
	· STP	0.40	8
	· Garland drains	0.30	3
	· Settling ponds	0.05	0.3
3	Solid waste Management		
	· Fly Ash Handling & disposal	2.00	60
	· Slag Handling & Disposal	0.25	5
	· Hazardous waste storage & disposal	0.10	5
	· Municipal solid waste storage & disposal	0.05	2.5
4	Greenbelt development, Land scaping	0.60	19.5
5	Noise Management	0.20	10

S. No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / Annum (Rs.in Lakhs)
6	RWH in Plant & Drainage system	0.80	0.2
7	Fire Safety Systems	2.50	25
8	Environmental Monitoring		
	· CEMS	0.40	3
	· CAAQMS	1.60	40
	· Environment Monitoring	0.00	11.11
	· Performance monitoring of APCS	0.00	1
9	Occupational Health & Safety		
	· Occupational Health centre	0.30	7.5
	· Personal Protective Equipment's (PPEs)	0.12	12
	Total	34.37	661.11
O.M. dated	O.M. pertaining to	Compliance	
14-10-2014	Registration of land /Consent from the Land for entire land	Complied Total land identified for the proposed project is 15.36 Ha. and same is registered in the name of M/s. M R Integrated Steels Pvt. Ltd.	
----	Presence of streams/Nalas within the site	Complied No Streams/Nalas passing through the site.	
08-06-2022	Validity of Baseline data for 3 years	Complied Baseline data period is 1 st March 2024 to 31 st May 2024	
08-06-2022	CCR validity is 1 year from the date of inspection by MOEF&CC/SPCB	NOT APPLICABLE As it is greenfield project	
08-06-2022	PH validity for 3 years	Complied PH held on 14.06.2025	

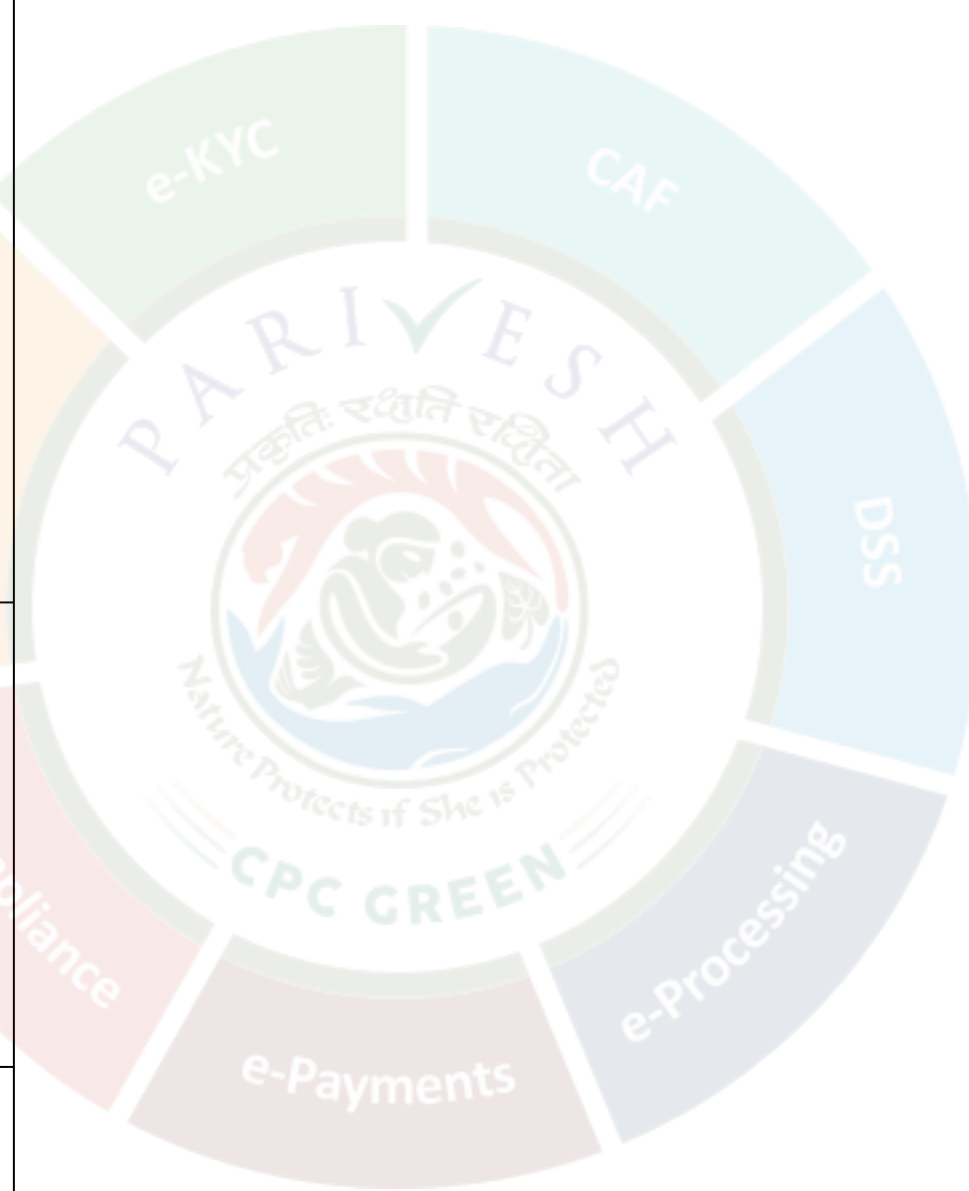
S. No	Chapter -3 Clause -9	Compliance
1.	Restrictions on establishing an industrial plant based on technological and scientific developments to protect sensitive areas like national parks, sanctuaries, wetlands, and archaeological monuments.	Complied There are no National Parks, Sanctuaries, wetlands and archaeological monuments within 10 K.m. radius of the plant site
2.	Industrial plant must compl	Complied



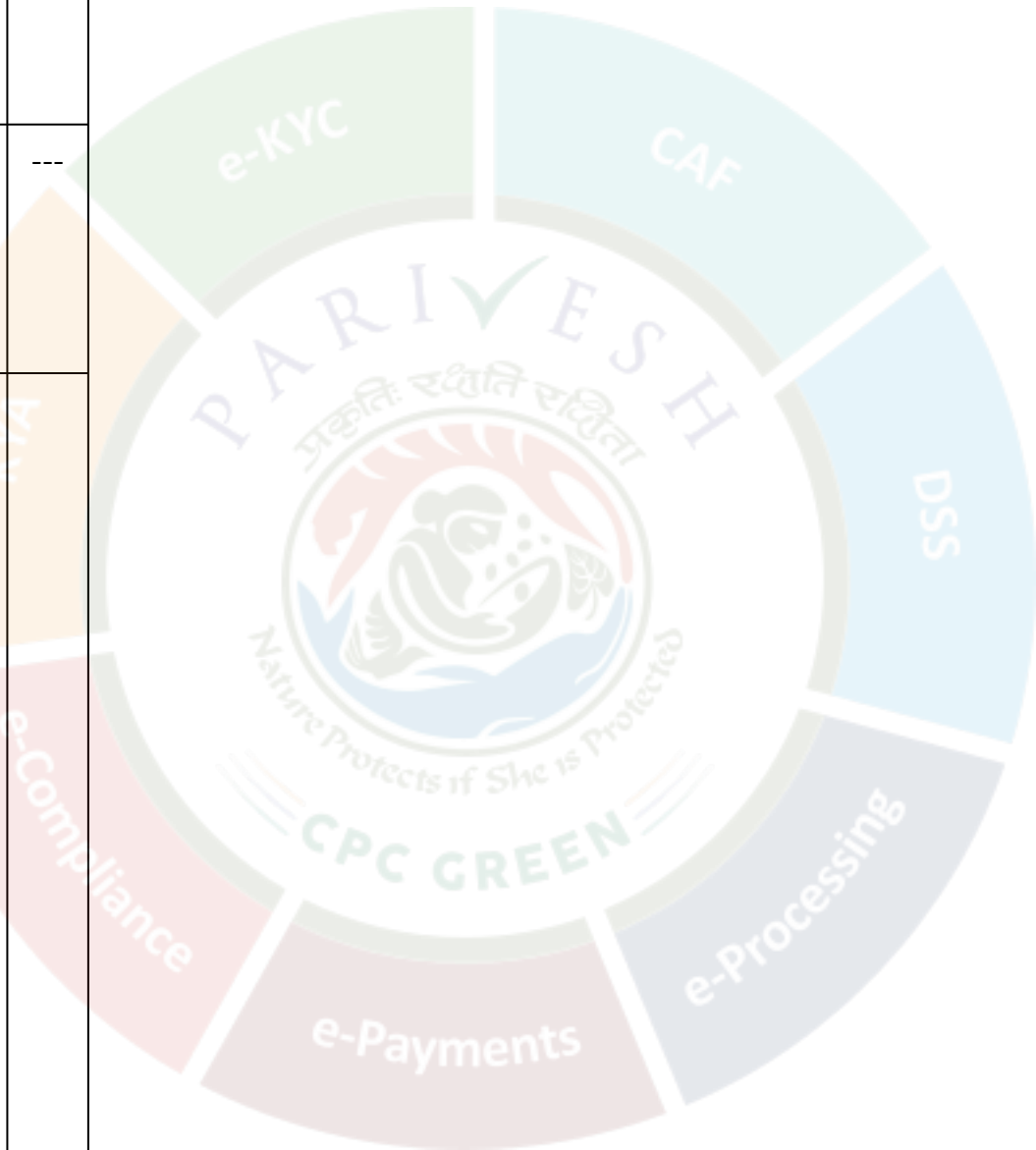
S. No	Chapter -3 Clause -9	Compliance
	y with criteria set by Central Government, State Government, or Union Territory Administration	There are no specific criteria set by Chhatishgarh State Govt. for establishment of industrial plants.
3.	While establishing an industrial plant, the following minimum distances shall be maintained:	



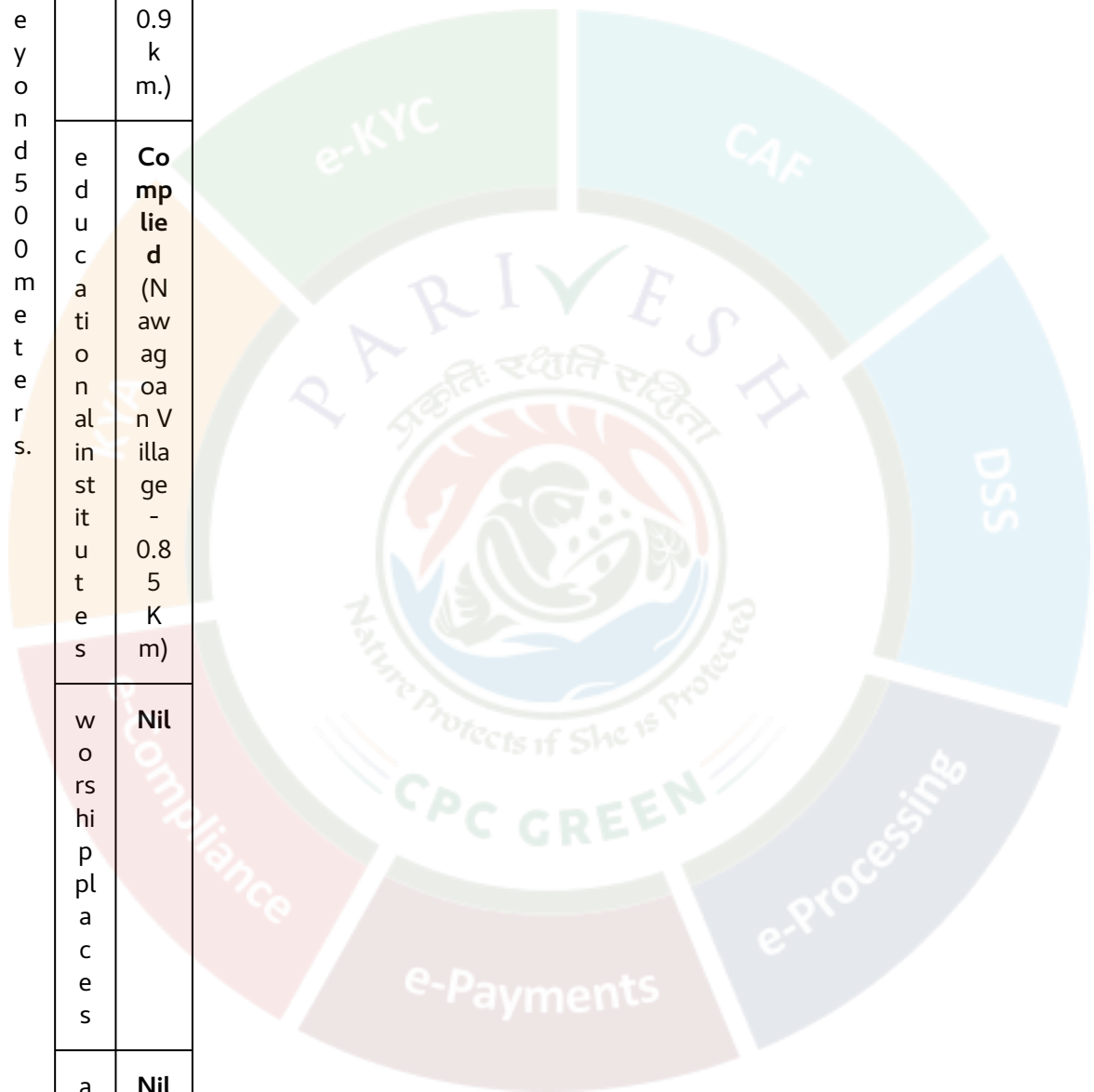
S. No	Chapter -3 Clause -9	Compliance
3(a)	From the nearest boundary of surface water body (flood plain/ HFL/Red line) as per revenue records in case of industrial plant of:	
3(a)(i)	Red category: Beyond 500 meters.	Complied No rivers in 500m radius
3(a)(ii) (A)	Orange category (with effluent generation): Beyond 75 meters.	---
3(a)(ii)	Orange category (	---



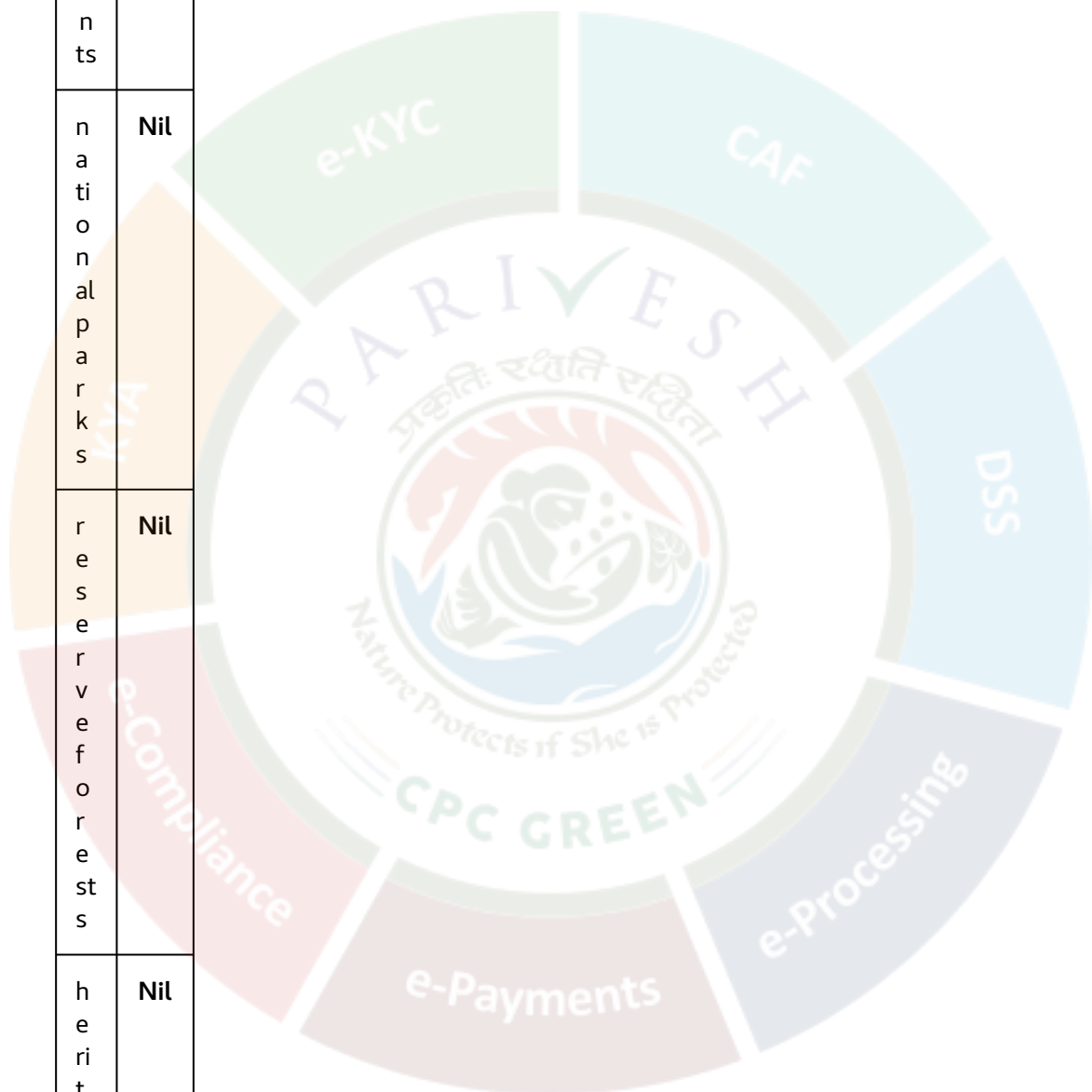
S. No	Chapter -3 Clause -9	Compliance
(B)	without effluent generation): Beyond 30 meters.	
3(a)(iii)	Green category: Beyond 30 meters.	---
3(b)	From settlements, educational institutions, worship places, archaeological monuments, national parks, reserve forests, heritage sites, in case of industrial plant of:	
3(b)(i)	Red category	Settlements Complied (Nawag)



S. No	Chapter -3 Clause -9		Compliance
	gory: Beyond 500 meters.	t	oan Village - 0.9 km.)
		educational institutes	Complie d (Nawag oan Village - 0.85 Km)
		worship places	Nil
		archaeological m	Nil



S. No	Chapter -3 Clause -9	Compliance
	Documents National parks reserves for forests heritage sites	Nil Nil Nil
3(b)	Orange cate	---



S. No	Chapter -3 Clause -9	Compliance
ii)	Category: Beyond 200 meters.	
3(b)(iii)	Green category: Beyond 100 meters	---
3(c)	The State Board shall ensure compliance with all applicable laws, rules, regulations, and notifications	---
3(d)	Natural or storm drains passing through the industrial plant locations shall not be disturbed.	---

Written submission by the PP:

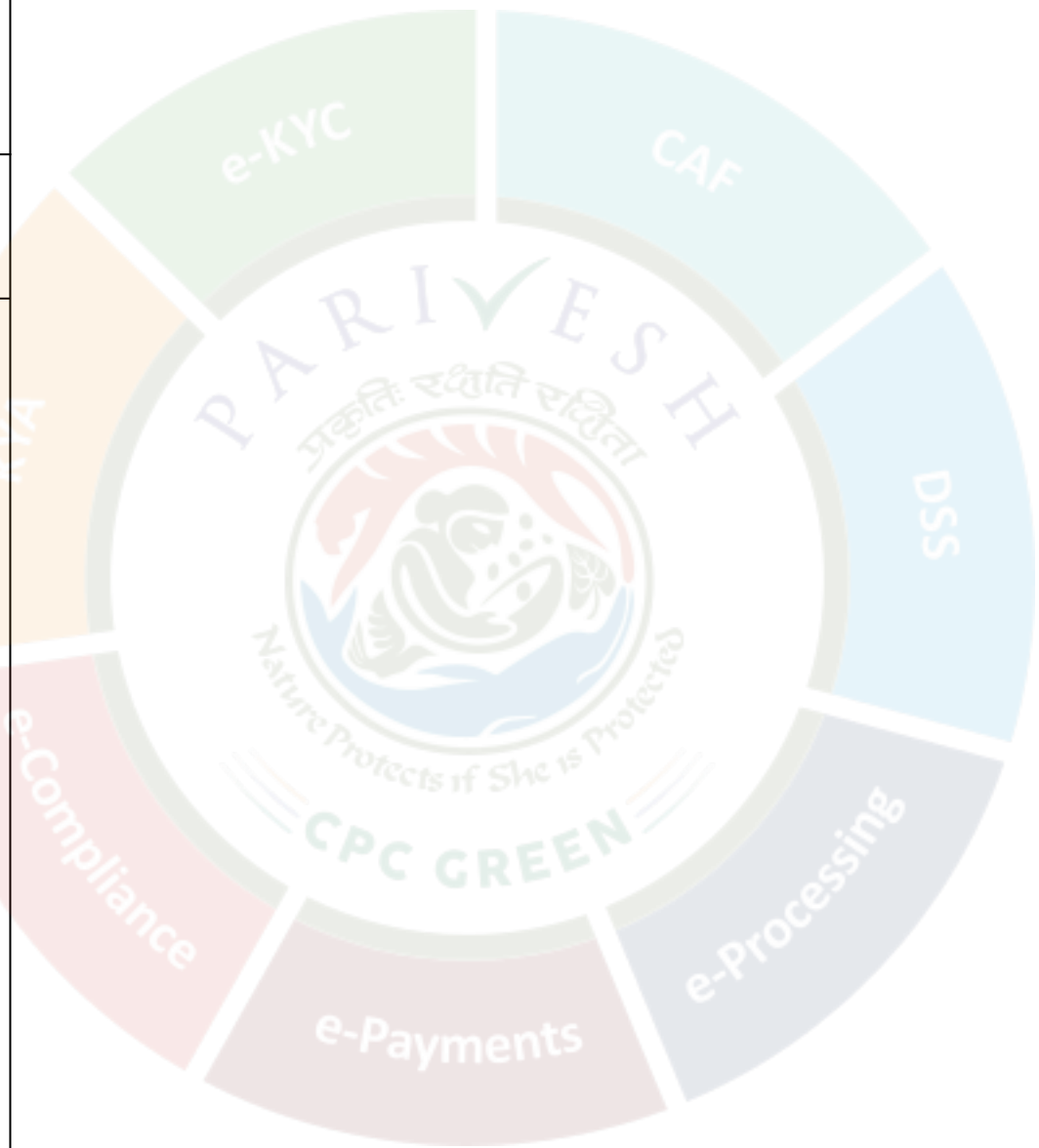
3.3.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

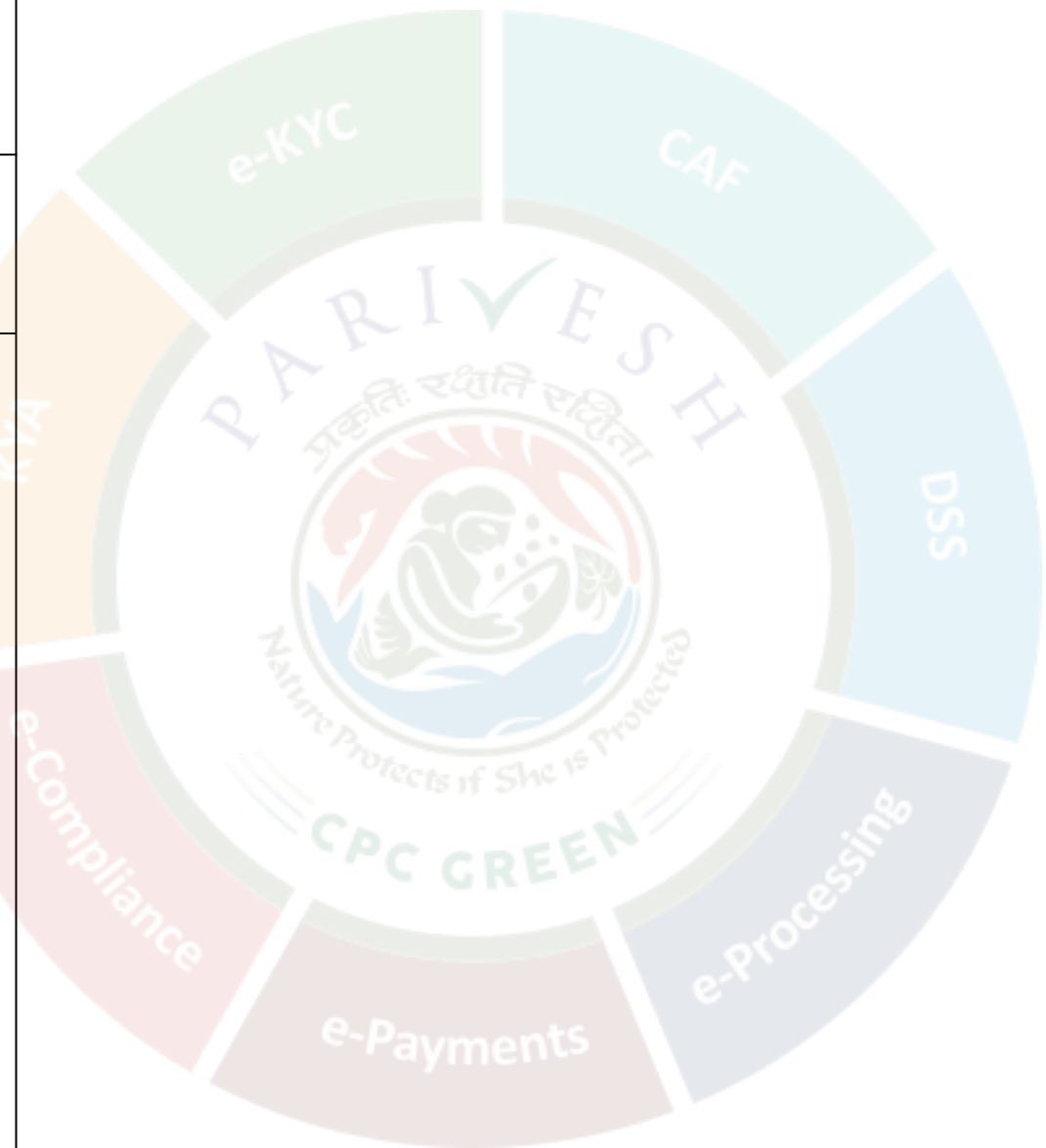
1. The instant proposal is for establishment of a Greenfield Steel Plant comprising of DRI Kilns (sponge iron -1,75,200 TPA), Induction Furnaces with matching LRF & CCM (90 % Hot Billets to Rolling Mill & remaining 10% Billets through RHF)- 1,65,600 TPA), Rolling Mills to produce TMT bars / Structural Steel (90% Hot charging with Hot Billets and 10% Billets through RHF with producer gas as fuel - 2,07,000 TPA), Coal Gasifier - 3500 NM3/Hr., Ferro Alloy Unit 1 x 9 MVA & 1 x 7.5 MVA (FeSi - 12,800 TPA/ FeMn - 36,600 TPA/ SiMn - 25,600 TPA/FeCr - 27,000 TPA/ Pig Iron - 44,000 TPA), Briquetting Plant (200 Kg/Hr), WHRB based Power Plant - 2 x 5 MW, FBC based Power Plant - 1 x 5 MW & Brick Manufacturing unit (20,000 Bricks / Day).
2. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
3. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
4. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
5. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
6. The Committee noted that the project is a greenfield proposal. Accordingly, SPCB furnished its comments and environment safeguards vide letter dated 08.04.2026. The EAC apprised the proposal taking into consideration the comment and environment safeguards suggested by SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
7. The PP submitted that total land identified for the proposed project is 15.36 Ha. and same is registered in the name of M/s. MR Integrated Steels Pvt. Ltd. Entire Land is diverted for industrial purpose.
8. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Nawagoan Village is at a distance of 0.9 Kms. (N Direction), Konka Village Pond at 0.03 km in North of site along with other sensitive areas within the study area of the project site. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.
9. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.

10. Konka Village Pond at 0.03 km in North direction along with other sensitive areas within the study area of the project site. PP reported that NOC has been issued by Water Resources department govt. of Chhattisgarh vide letter dated 08.12.2025. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures.
11. Water required for the proposed project will be 650 KLD which will be sourced from Ground water source (490 KLD) and Water Reservoir proposed within the site premises (160 KLD). The EAC opined that the PP shall secure the required approval from the appropriate authority. PP shall also explore alternate source of water to minimise its dependency on ground water.
12. The Committee also deliberated upon the issues raised during the public hearing and the action plan for socio-economic development, with a budgetary allocation of Rs. 5.10 crores for implementation of the commitments made therein, and found the same to be satisfactory.
13. Further, the Committee noted the undertaking submitted by the project proponent through written submission in response to concerns raised during the Public Hearing regarding potential impacts on agriculture and crop damage. The Committee observed that the PP has committed to implement adequate environmental protection measures including installation of ESPs, bag filters, dry fog systems, wheel washing facilities, zero liquid discharge, and proper solid waste utilization. The PP has also assured provision of interlocking systems with APCDs to ensure stoppage of operations in case of exceedance of emission standards. Further, the PP has undertaken to provide compensation for any crop damage, if established by the concerned authority, as per State Government norms. The Committee emphasized that the commitments made shall be strictly adhered to during the operation of the project.
14. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LIFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
15. The PP reported that it is proposed to develop 3.86 ha (25% of project area) of greenbelt within the project site, with a minimum width of 15 m maintained along the plant boundary. A total of 9,650 plants will be planted in a phased manner over three years. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be developed within a period of 1 year and further maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.
16. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
17. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
18. The Committee noted the detailed comments furnished by the Chhattisgarh Environment Conservation Board (CECB) in compliance with MoEF&CC OM dated 14.01.2025 for the proposed project of M/s MR Integrated Steels Private Limited, Chhattisgarh, and observed that the Board has recommended a comprehensive set of environmental safeguards. These include strict adherence to Environmental Clearance conditions, adoption of Zero Liquid Discharge through provision of adequate ETP/STP systems and recycling of treated wastewater, installation of air pollution control measures such as adequate stack height, dust suppression systems, water sprinkling, covered transportation, wheel washing systems, and installation of continuous monitoring systems (CEMS/CAAQMS/CEQMS) with connectivity to regulatory servers. The Board has further emphasized noise control measures, proper solid waste management systems, rainwater harvesting, and development of greenbelt over 33% of the total land area. In addition, provisions for labour welfare, sanitation, occupational health, obtaining necessary permissions such as CGWA/NOC from Gram Panchayat, and compliance with standard operating procedures issued by the Board have been stipulated. The Committee, after deliberation, advised that the relevant recommendations of CECB, to the extent not already covered in the EIA/EMP and EAC conditions, shall be incorporated suitably without duplication, and the point-wise deliberations are as follows:

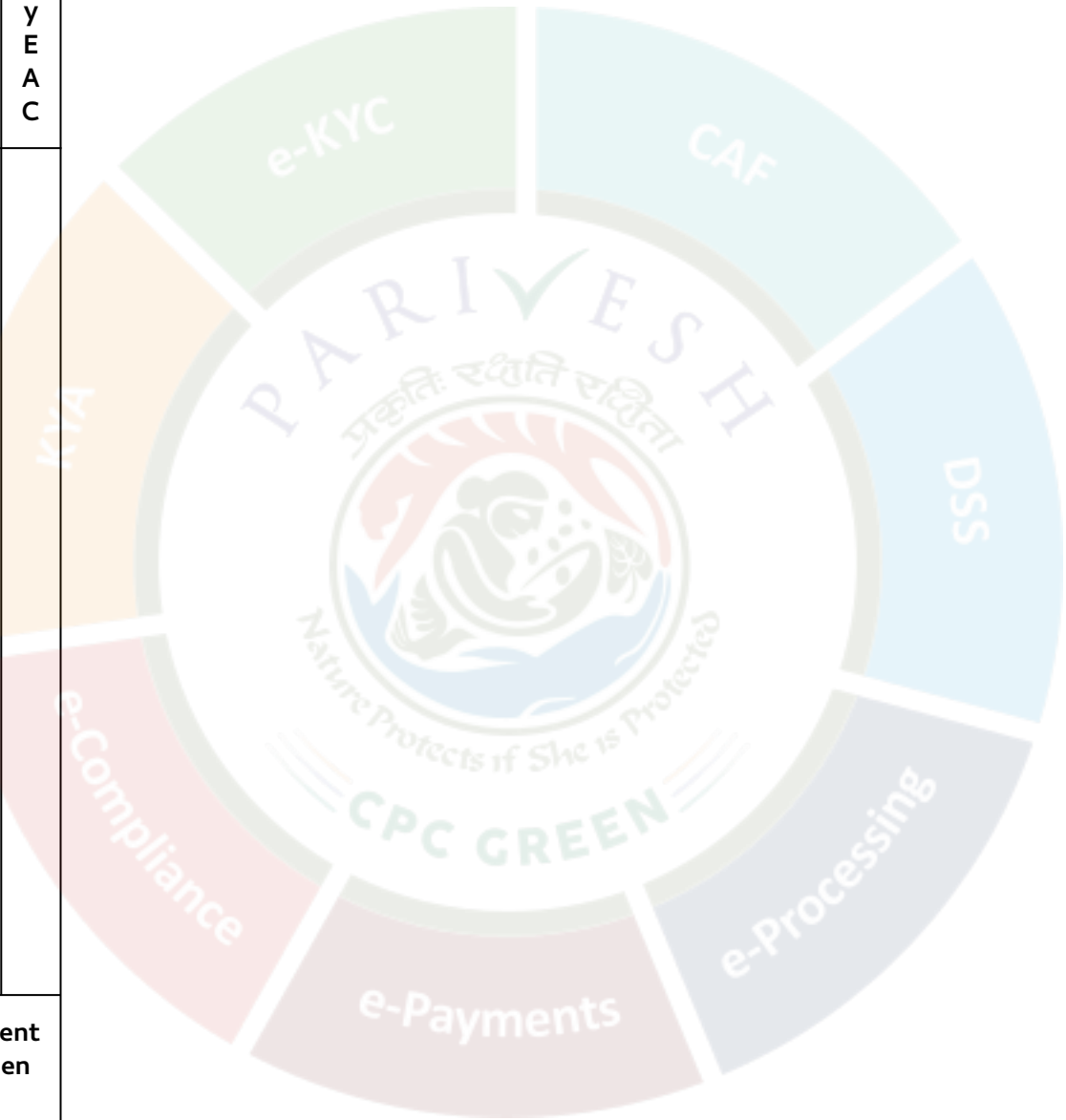
S l. N o.	En vir on m en tal Sa fe gu ar d / Co nd iti on	D e li b e r a ti o n b y E A C
1. Strict adherence to EC conditions:		
	All ter m s a n d co nd iti on s of th e En vir on m en tal Cl ea ra nc e s shal l b e f oll o w ed wi th ou t	A l r e a d y p r e s c ri b e d b y E A C



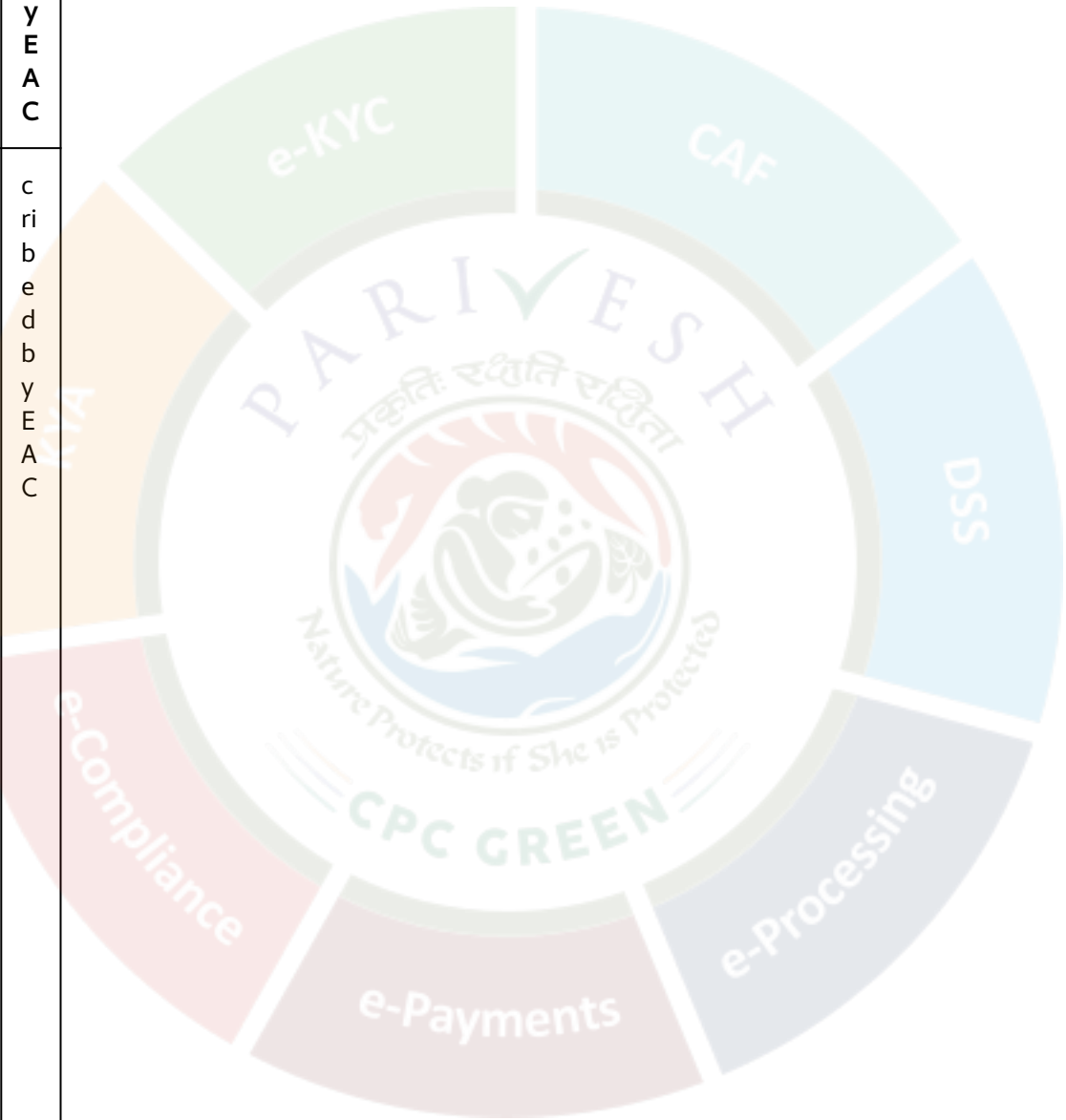
S.L. No.	Environmental Safeguard / Condition	Delegation by EAC
	eviation.	
	If any deviation found in the project cost at the time of application for CTO, Proj	Delegation by EAC



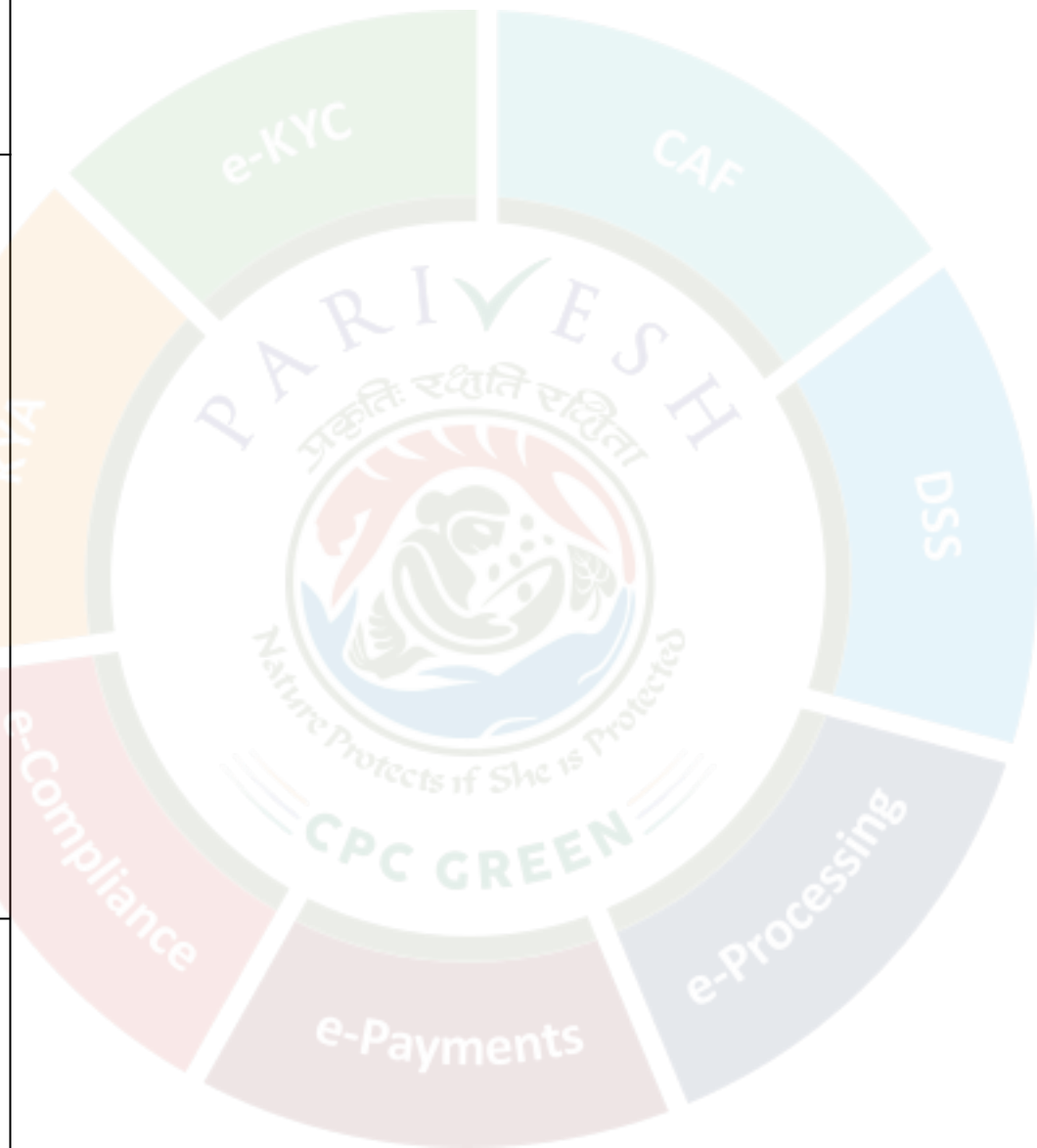
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ect P ro po ne nt sh all be lia bl e t o pa y t he dif fer en ce a m ou nt.	
2. Effluent Management :		
	Un tre at ed se wa ge or wa st	A lr e a d y p r e s



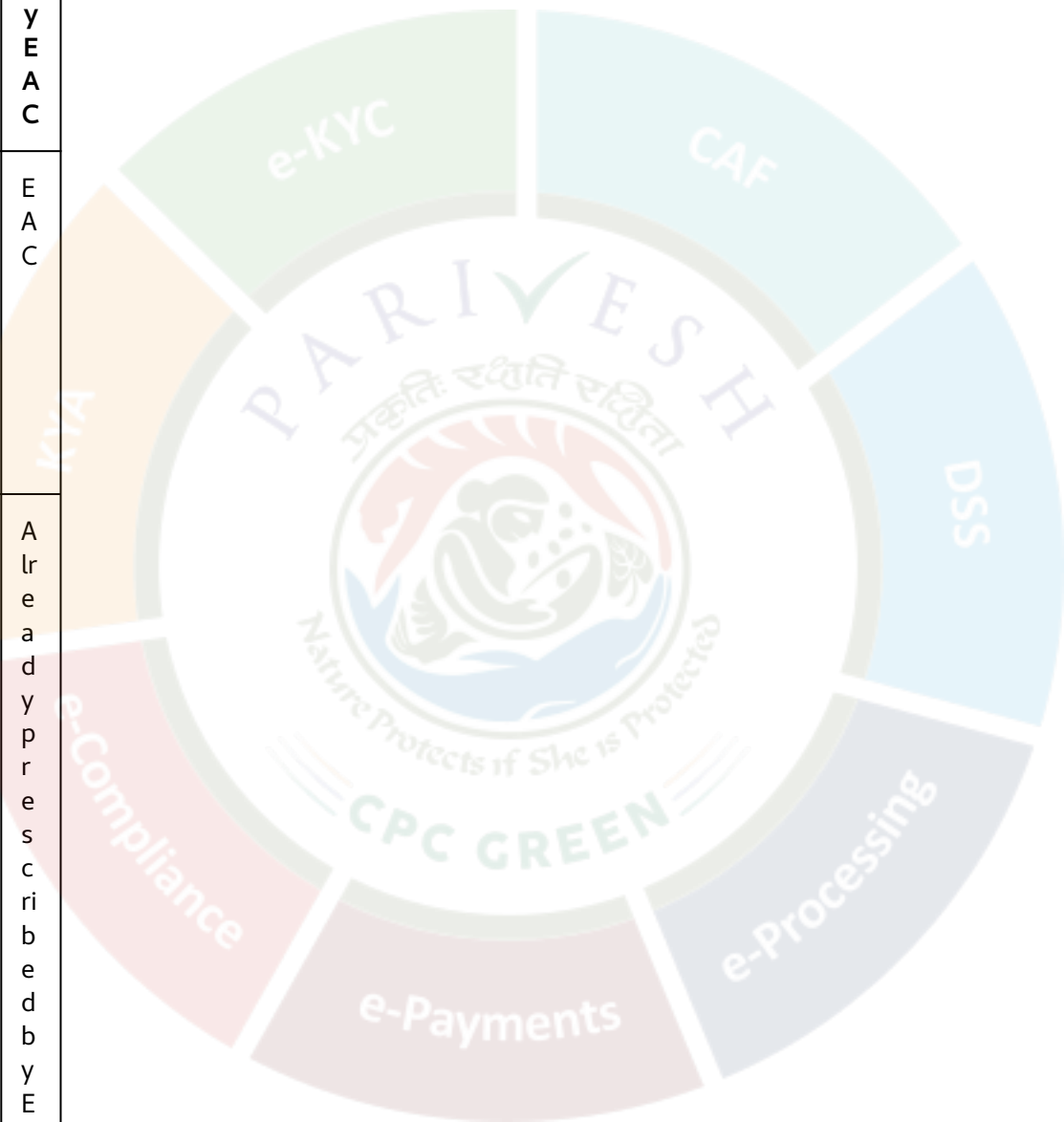
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	e water shall not be discharged outside the premise under any circumstances	c r i b e d b y E A C
STPs hall be		A l r e a d



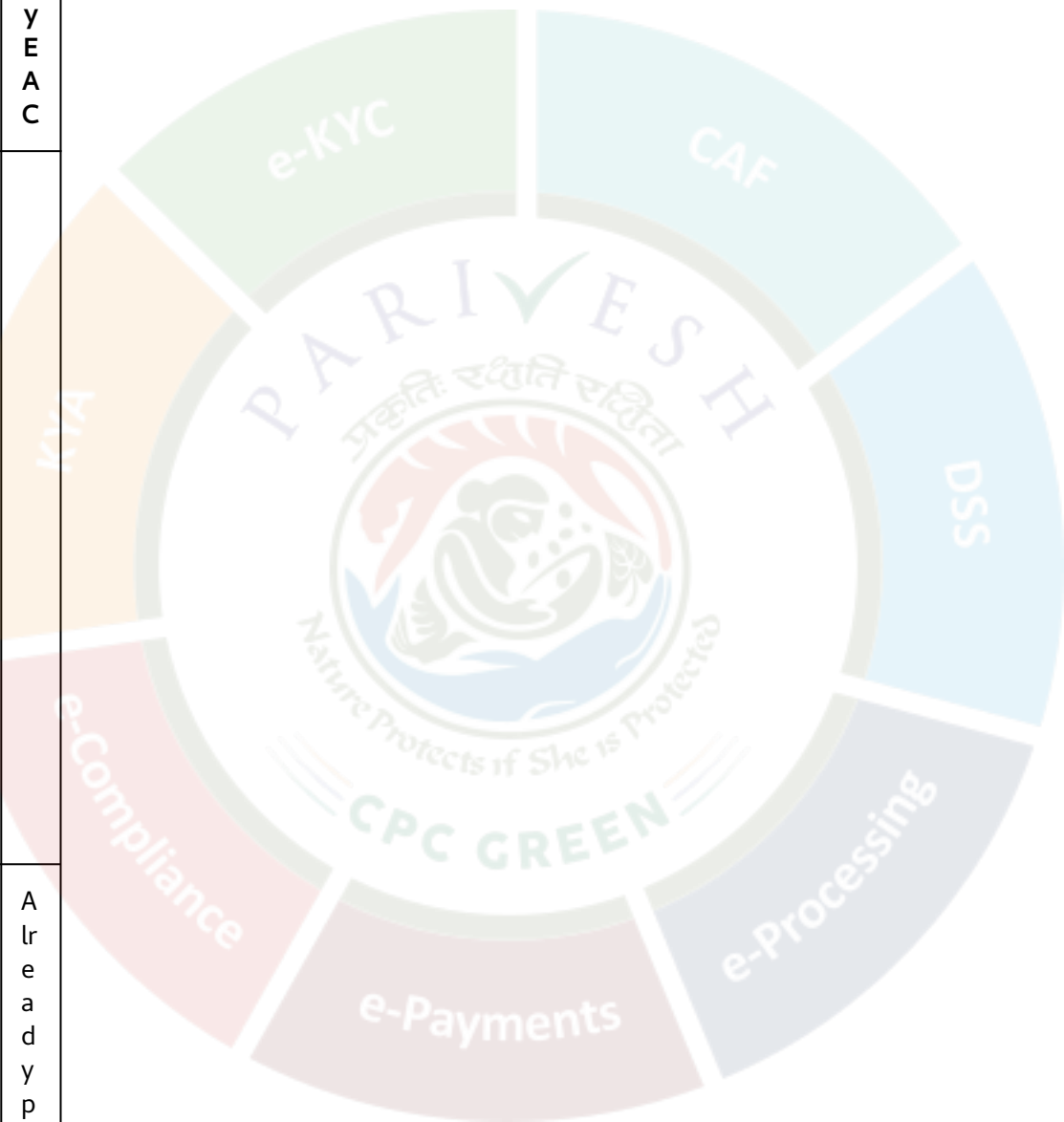
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	provided for treatment of domestic waste water.	y prescribed by EAC
ETPs shall be provided for treatment of effluent		Already prescribed by



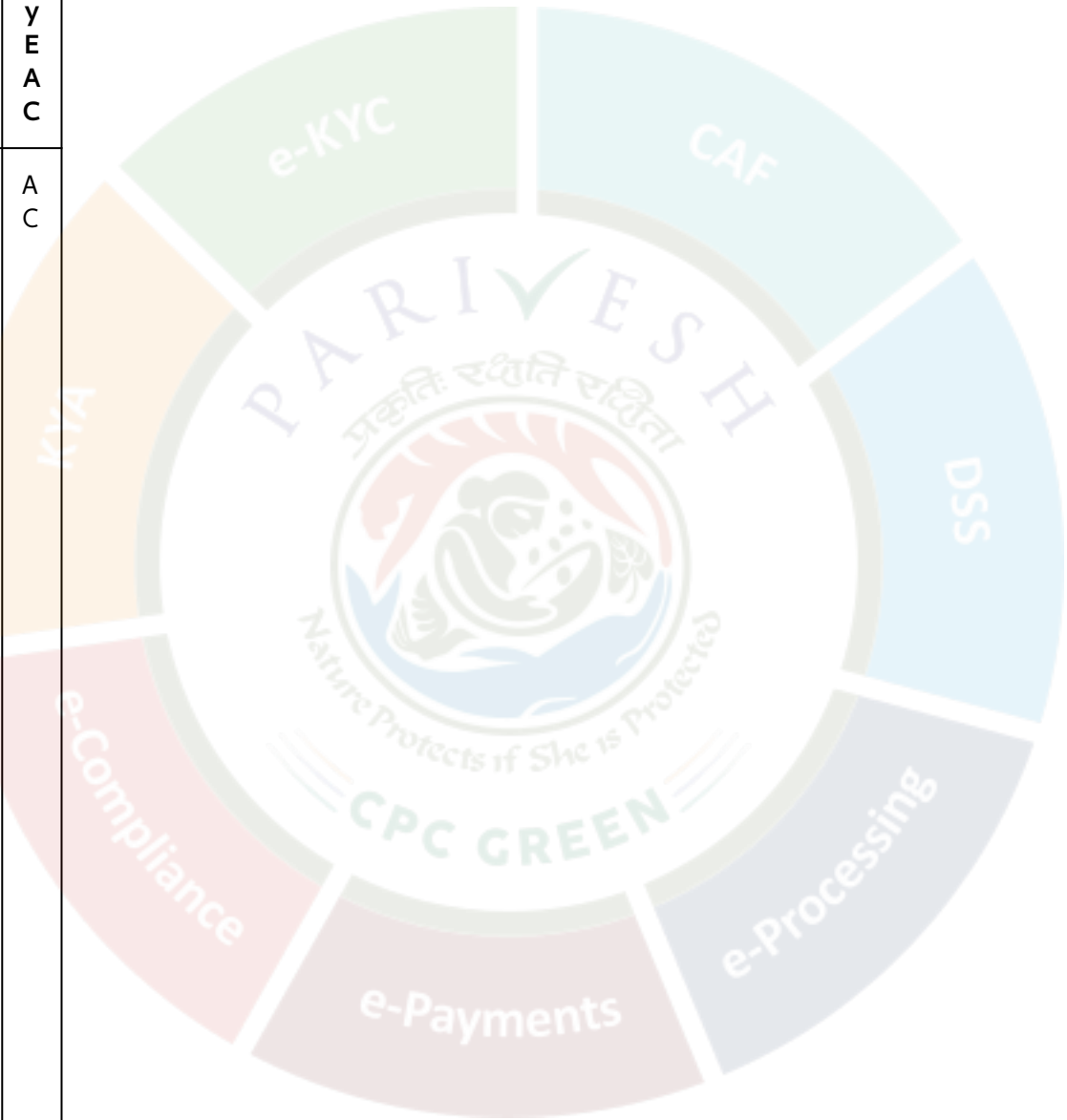
S.L. No.	Environmental Safeguard / Condition	Delegation by EAC
	Industrial waste water.	EAC
	Processes effluent will be treated and will be recycled and reused in the process	Already prescribed by EAC



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ocess. Zero liquid discharge shall be maintained.	
	Oil & grease trap will be provided for treatment	Already prescribed by E



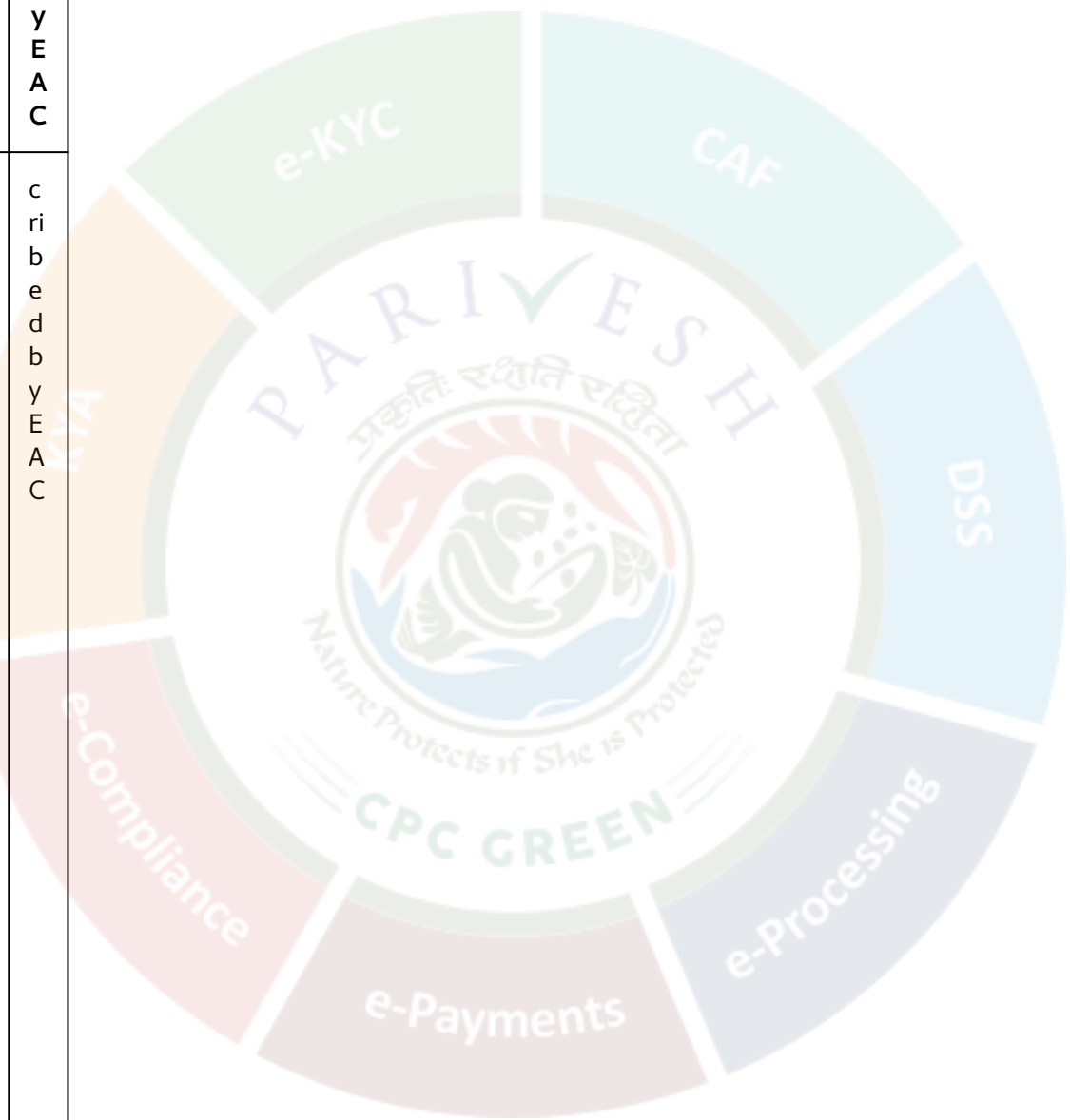
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ent of waste water from workshops and garages. Treated water will be recycled.	A C
Practicin		Delib



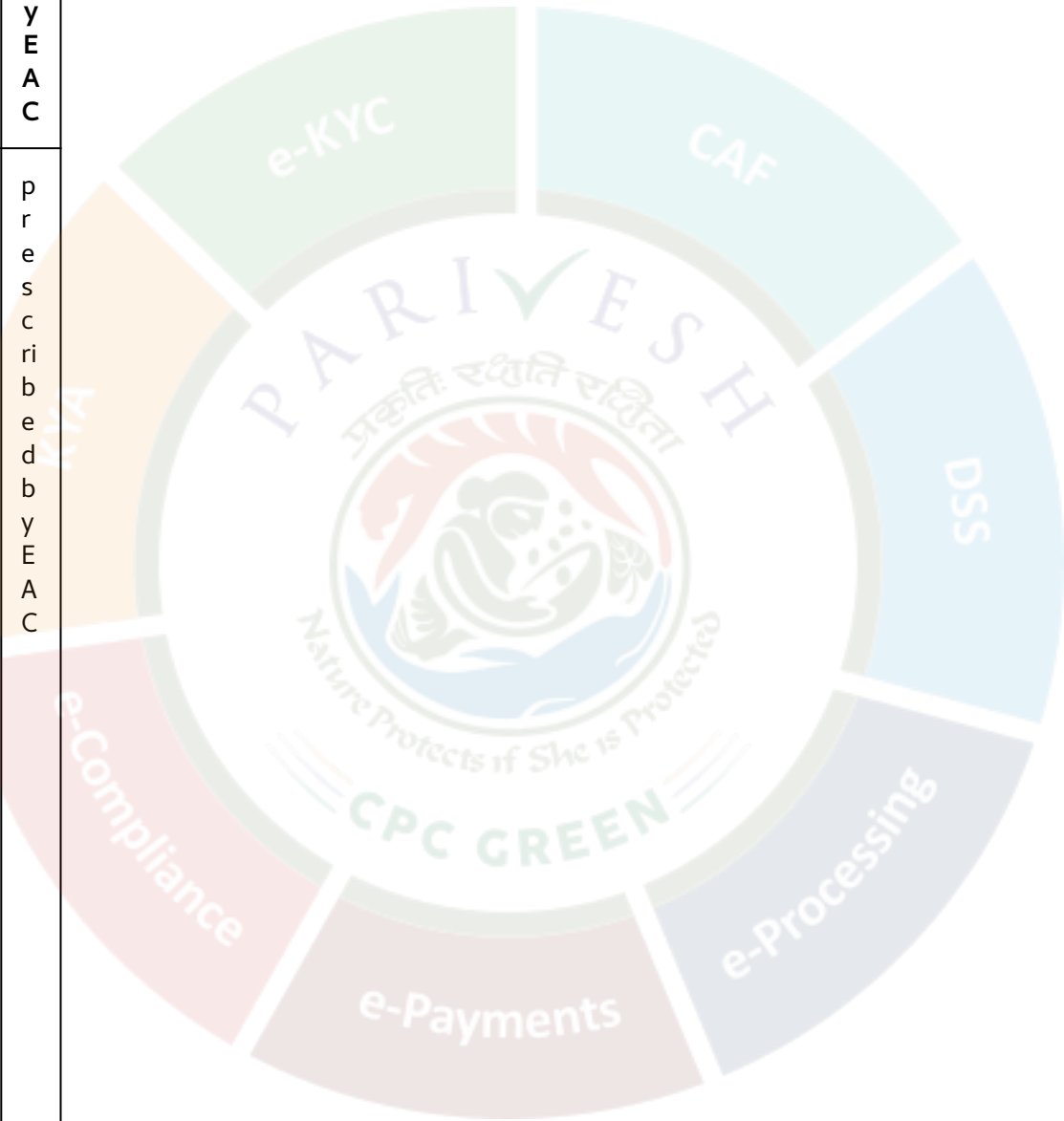
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	g g o o d h o u s e k e e p i n g t o m a i n t a i n h y g i e n i c c o n d i t i o n s a t w o r k s i t e.	e r a t e d a n d i n c o r p o r a t e d b y E A C
	Ra i n w a t e r t o b e c o l l e c t e d	A l r e a d y p r e s



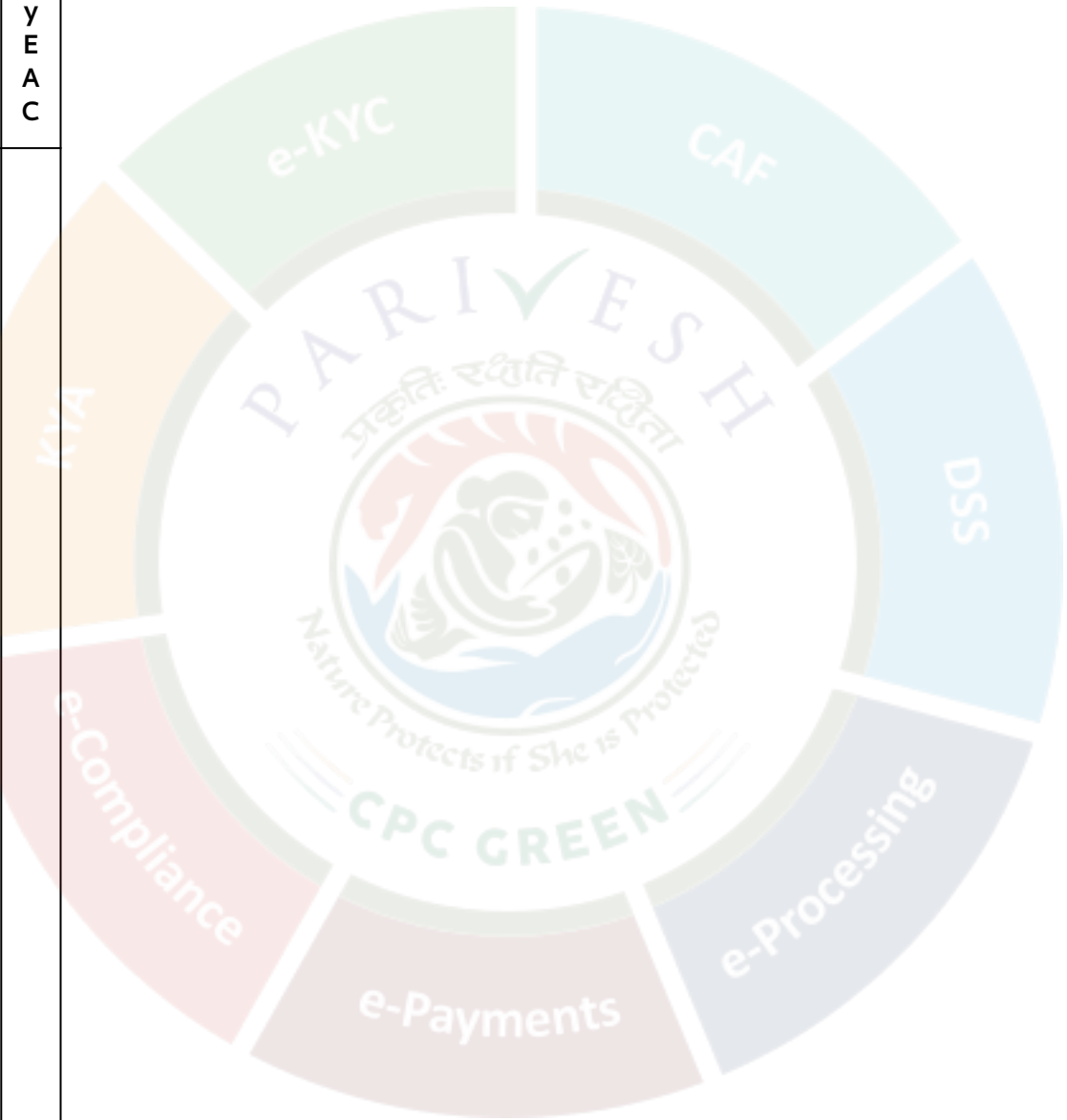
S L. N o.	En vir on m en tal Sa fe gu ar d / Co nd iti on	D e li b e r a ti o n b y E A C
	and used for recharging ground water table and to be use in lean season.	cribed by EAC
3. Air Pollution Control:		
	Height of stack	Already



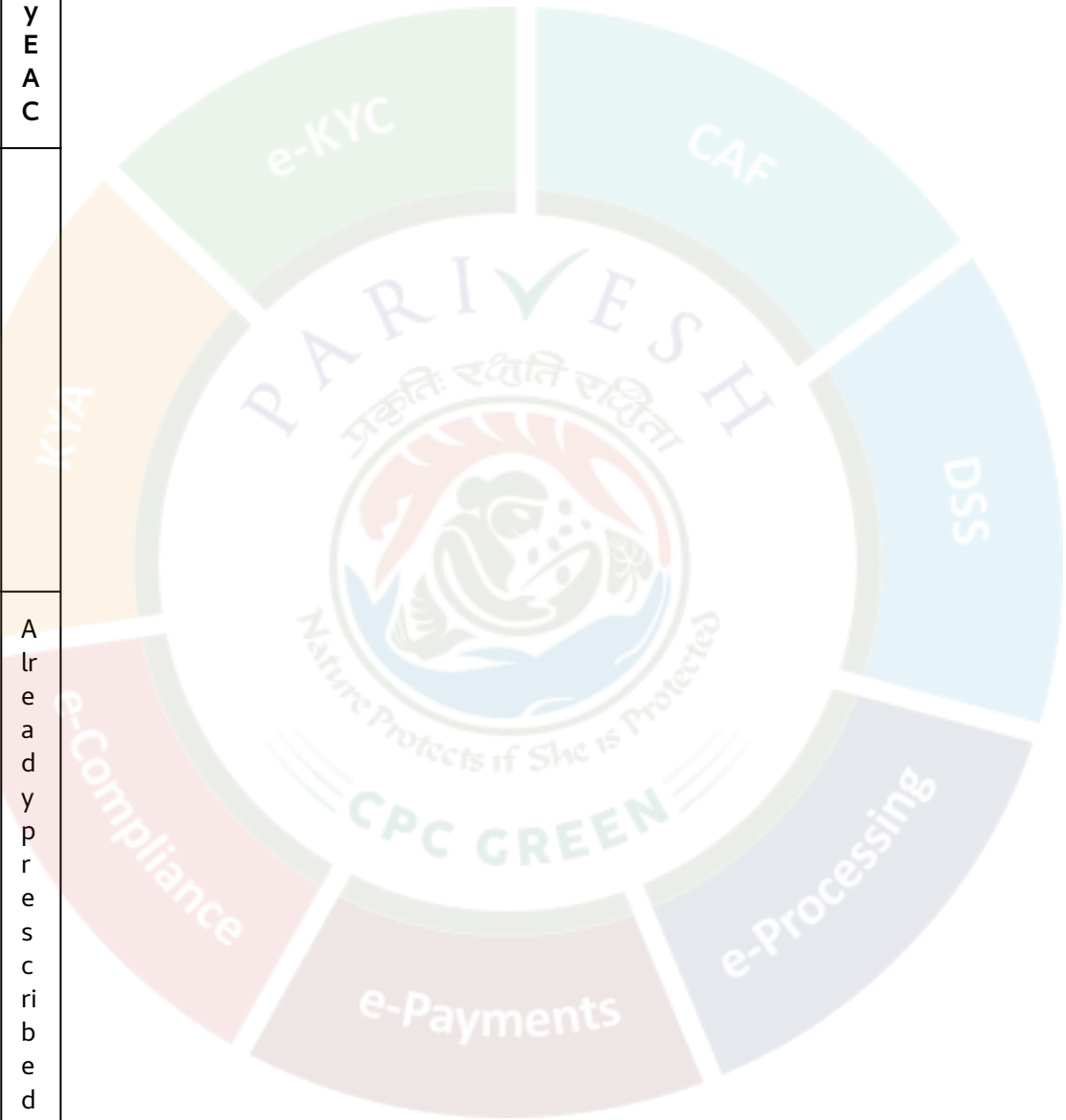
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	k shall be a special CP CB norms. Before applying for Consent to Operate, CEMS should be installed in t	p rescribed by EAC

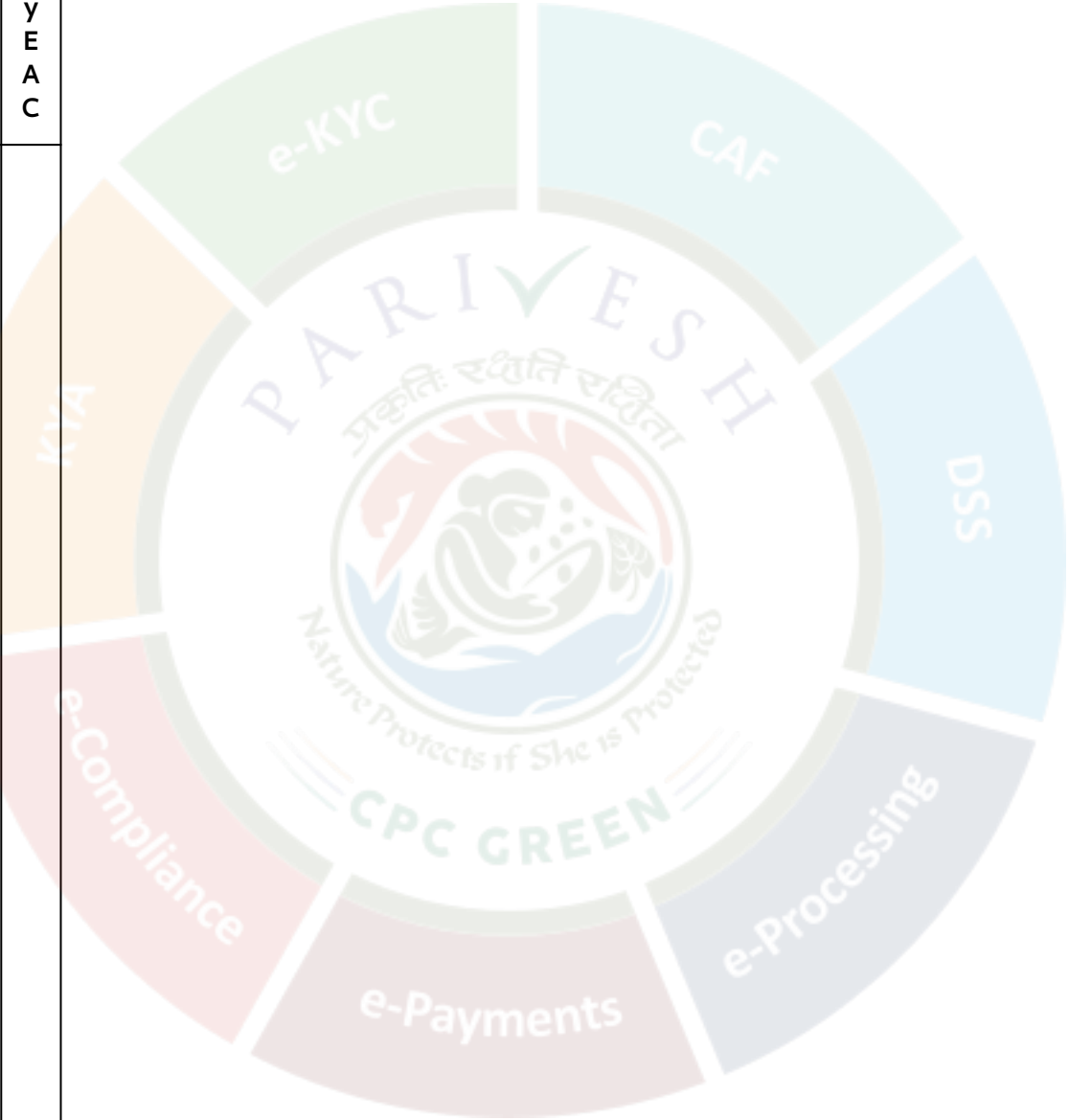


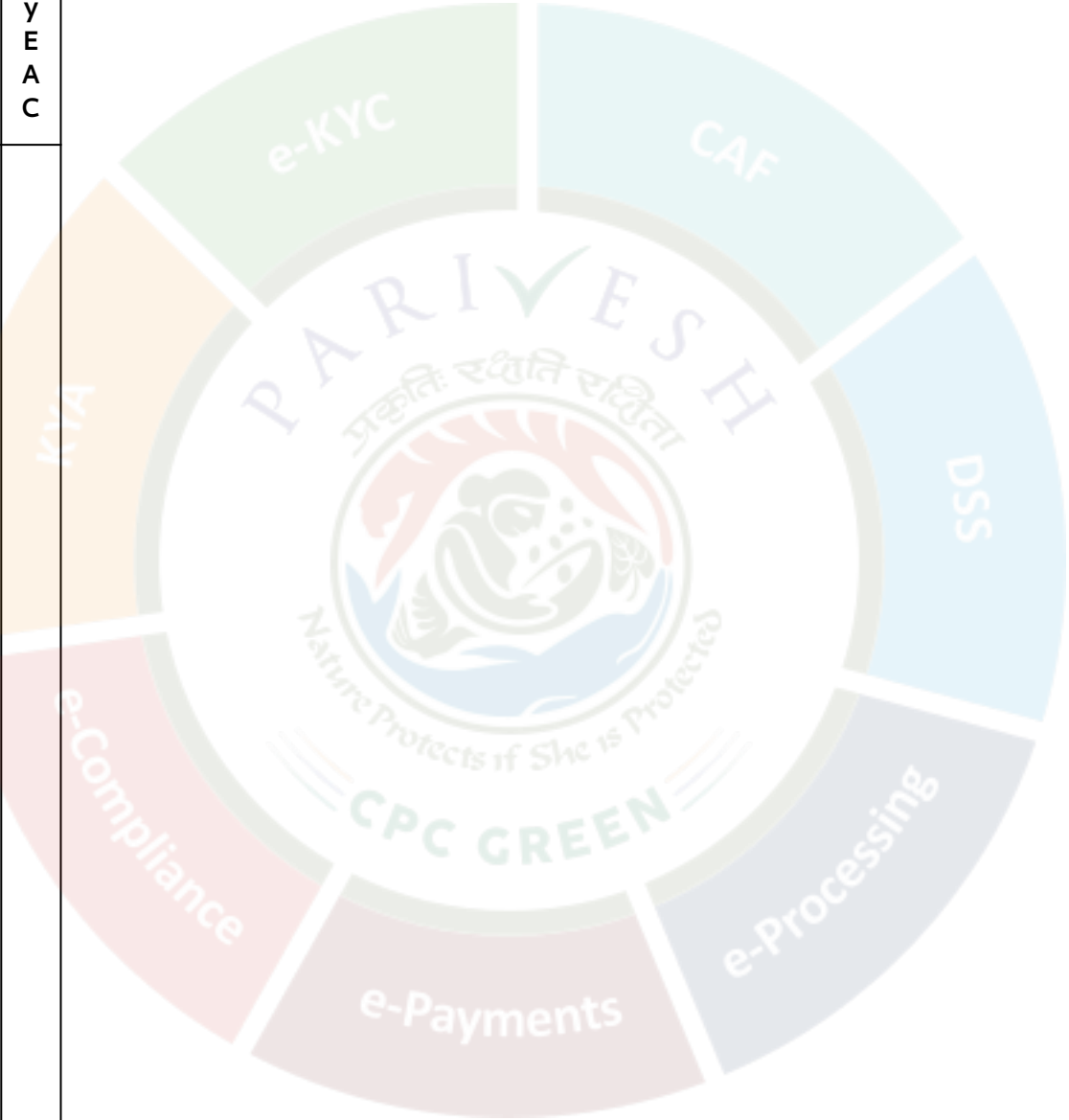
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	he chimney for continuous monitoring, CA A Q M S for measuring ambient air quality, CE Q M	



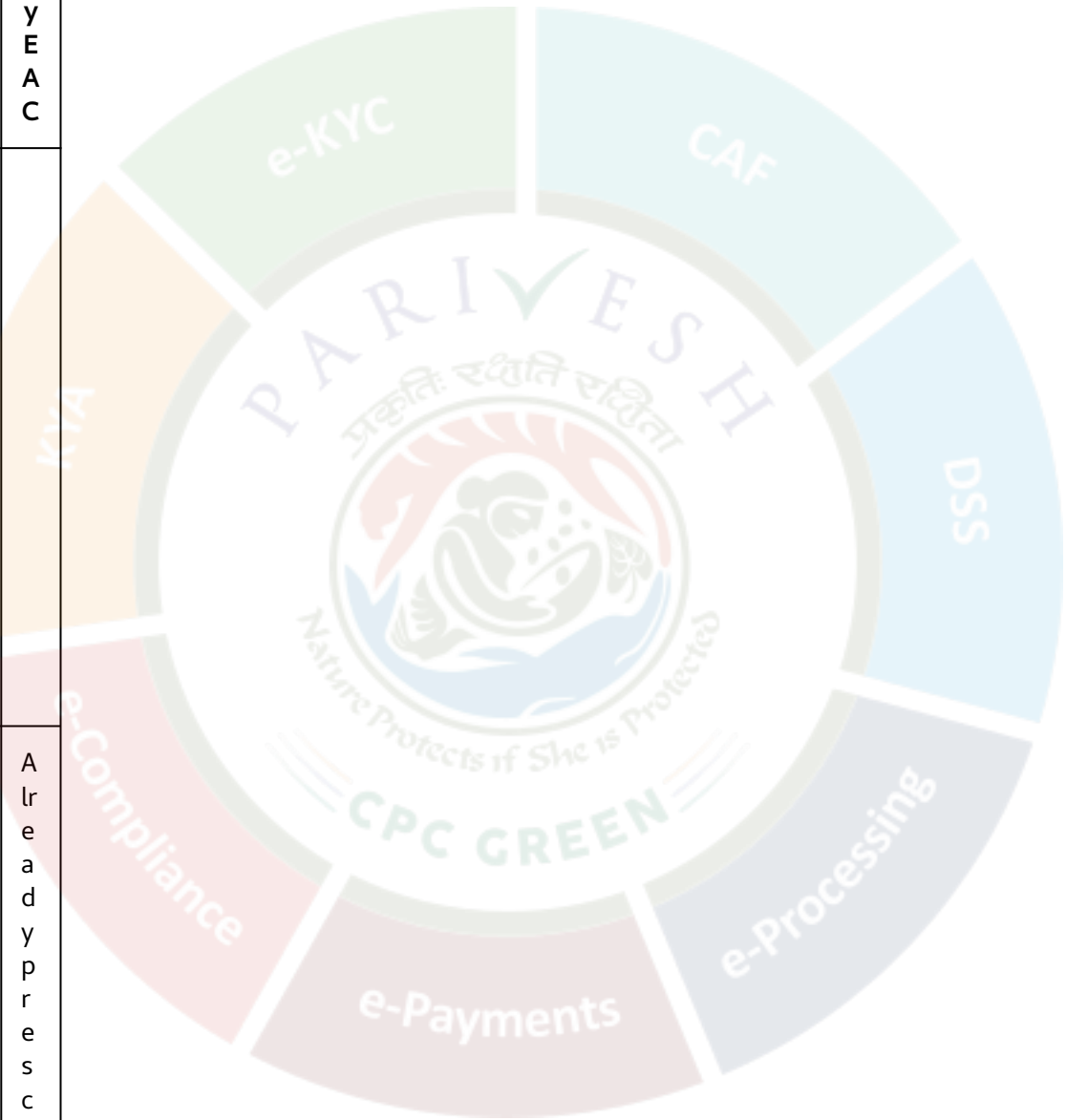
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	S f o r m e a s u r i n g w a t e r q u a l i t y.	
	P a r t i c u l a t e m a t t e r e m i s s i o n f r o m t h e p r o c e s s s t a c k s h o u l d b e	A l r e a d y p r e s c r i b e d b y E A C



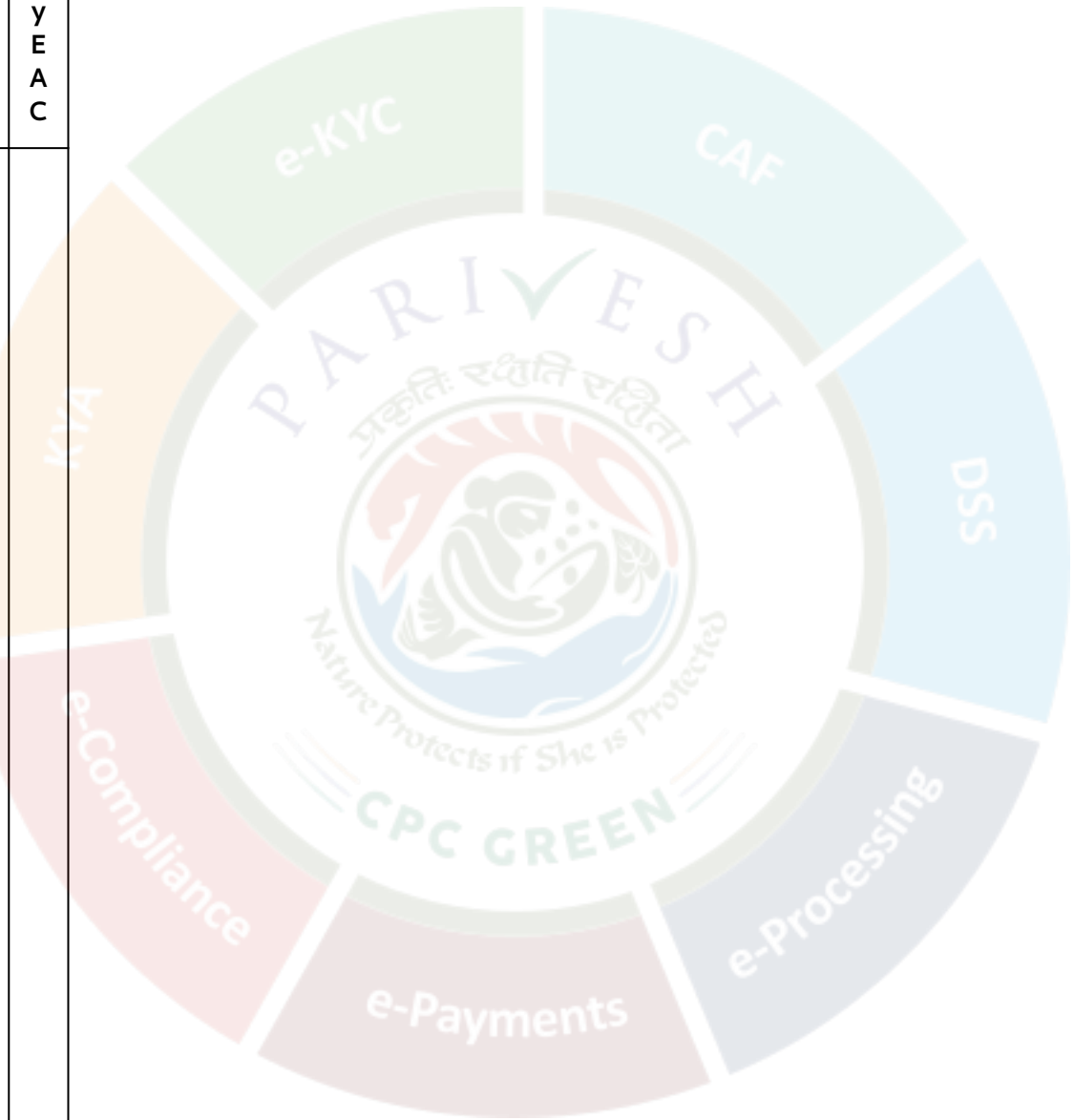
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	kept below 30 mg/normal cubic meter and the stack height should be kept as per the guideline	 The diagram is a circular infographic for CPC GREEN. At the center is a logo with a green tree and the text 'PARIVESH' in a semi-circle above it, and 'CPC GREEN' in a semi-circle below it. Between the semi-circles is a circular emblem containing a stylized figure and the text 'प्रकृति रक्षति रक्षितः' and 'Nature Protects if She is Protected'. Surrounding the central logo are eight colored segments, each representing a different initiative: e-KYC (green), CAF (light blue), DSS (blue), e-Processing (grey), e-Payments (brown), e-Compliance (red), KYA (orange), and e-KYC (green).

S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	s of the Ministry of Environment, Forest and Climate Change/ CP CB and the height of all other	 The diagram is a circular infographic for 'PARIVESH CPC GREEN'. At the center is a circular logo featuring a stylized tree and the text 'प्रकृति रक्षति रक्षितः' (Prakriti Rakshati Rakshitah) and 'Nature Protects if She is Protected'. Surrounding this central logo is a ring divided into eight colored segments, each representing a service: 'e-KYC' (green), 'CAF' (light blue), 'DSS' (blue), 'e-Processing' (grey-blue), 'e-Payments' (brown), 'e-Compliance' (red), 'KYA' (orange), and 'e-KYC' (green). The text 'PARIVESH' is written in a large, semi-circular arc above the central logo, and 'CPC GREEN' is written in a large, semi-circular arc below it.

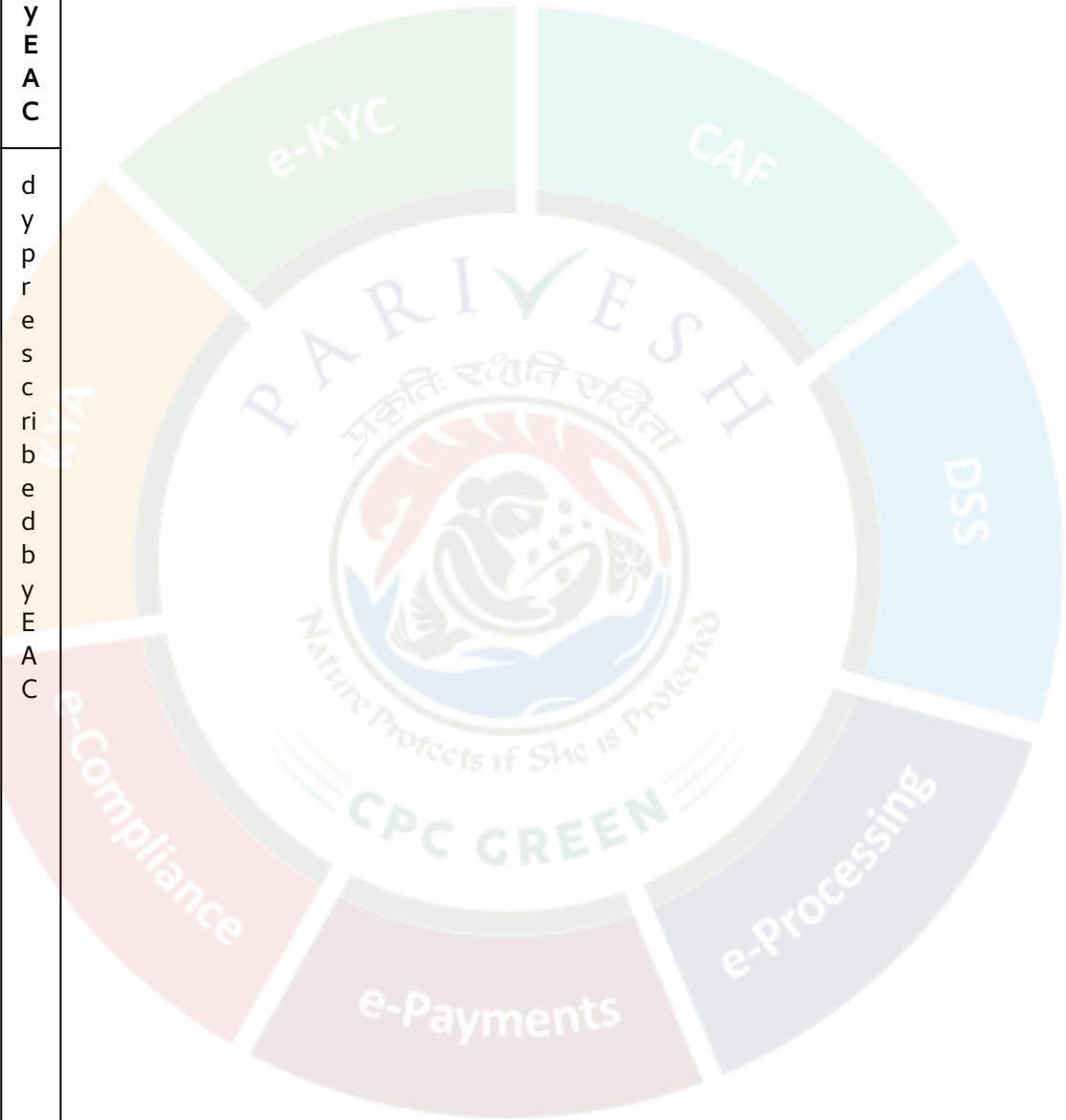
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	r s ta ck s s h o u l d b e k e p t a t 3 0 m e t e r s.	
	Pr o p e r m a n a g e m e n t o f d u s t s u p p r e s s i o n, c o n t a m i	A l r e a d y p r e s c r i b e d b y E A C



S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	nated water, construction waste etc. should be done during the installation work.	
	Regular	Area

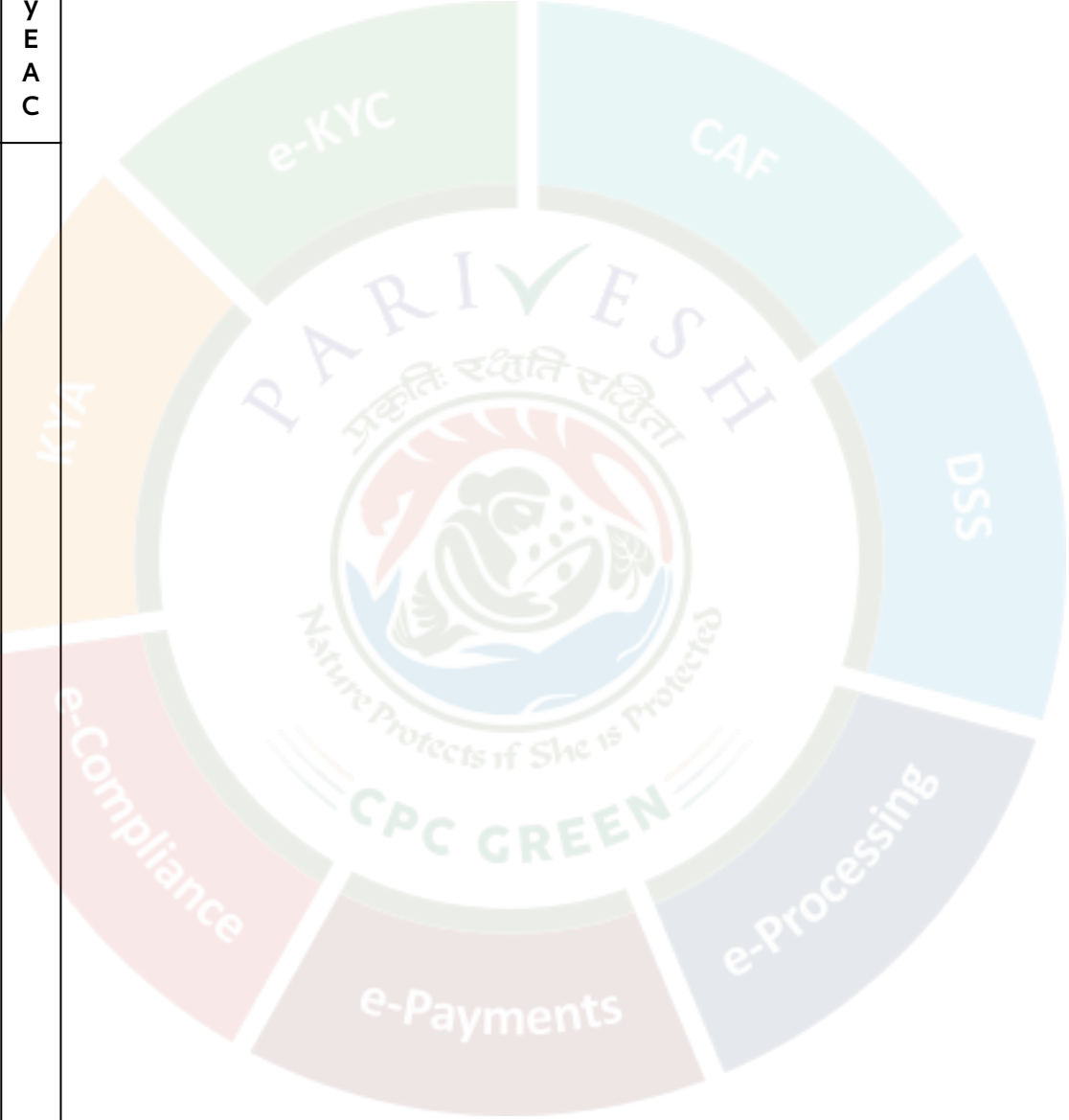


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	onitoring of ambient air quality inside plant area and in nearby villages	dyprescribed by EAC
Water sprinklers arranged		Already approved

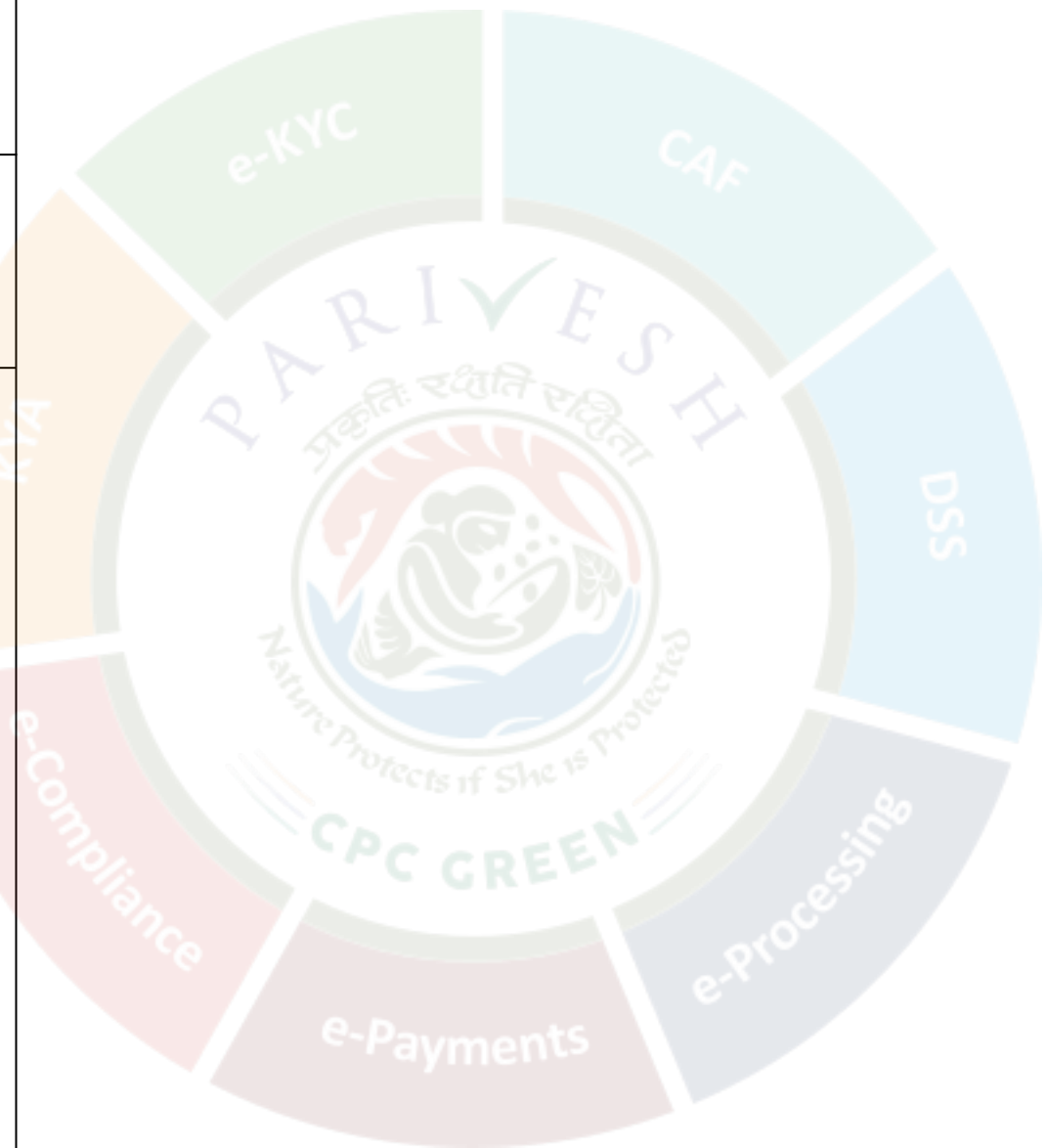


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	an ge m en t s h a l l b e p r o v i d e d i n i n t e r n a l r o a d.	e s c r i b e d b y E A C
To c o m p l y w i t h s t a n d a r d o p e r a t i n g p r o c e d u r e (		A l r e a d y p r e s c r i b e d b y E A C

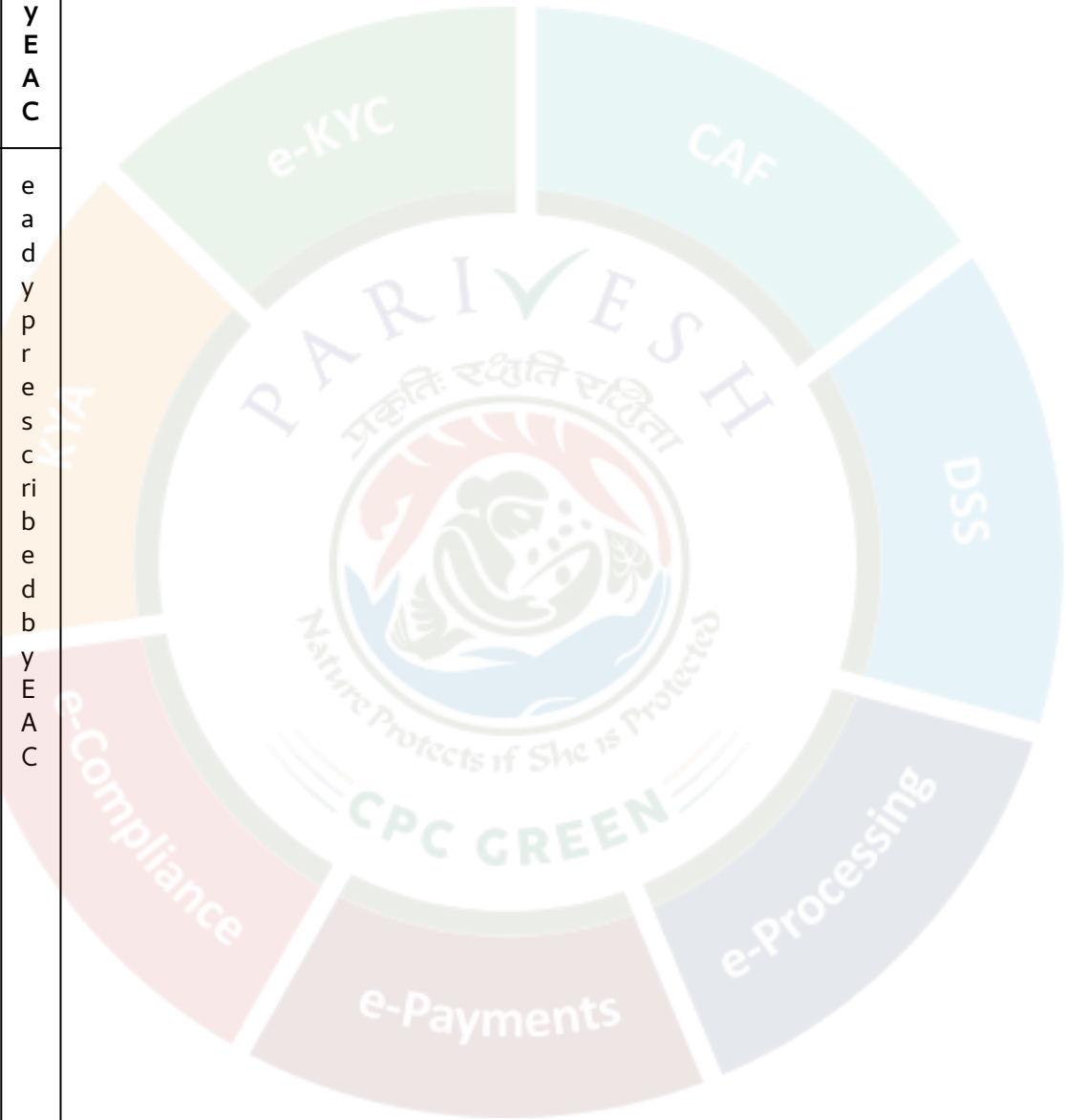


S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	for properly covering vehicles engaged in transportation work) issued by CE/CB vide order dated 2	

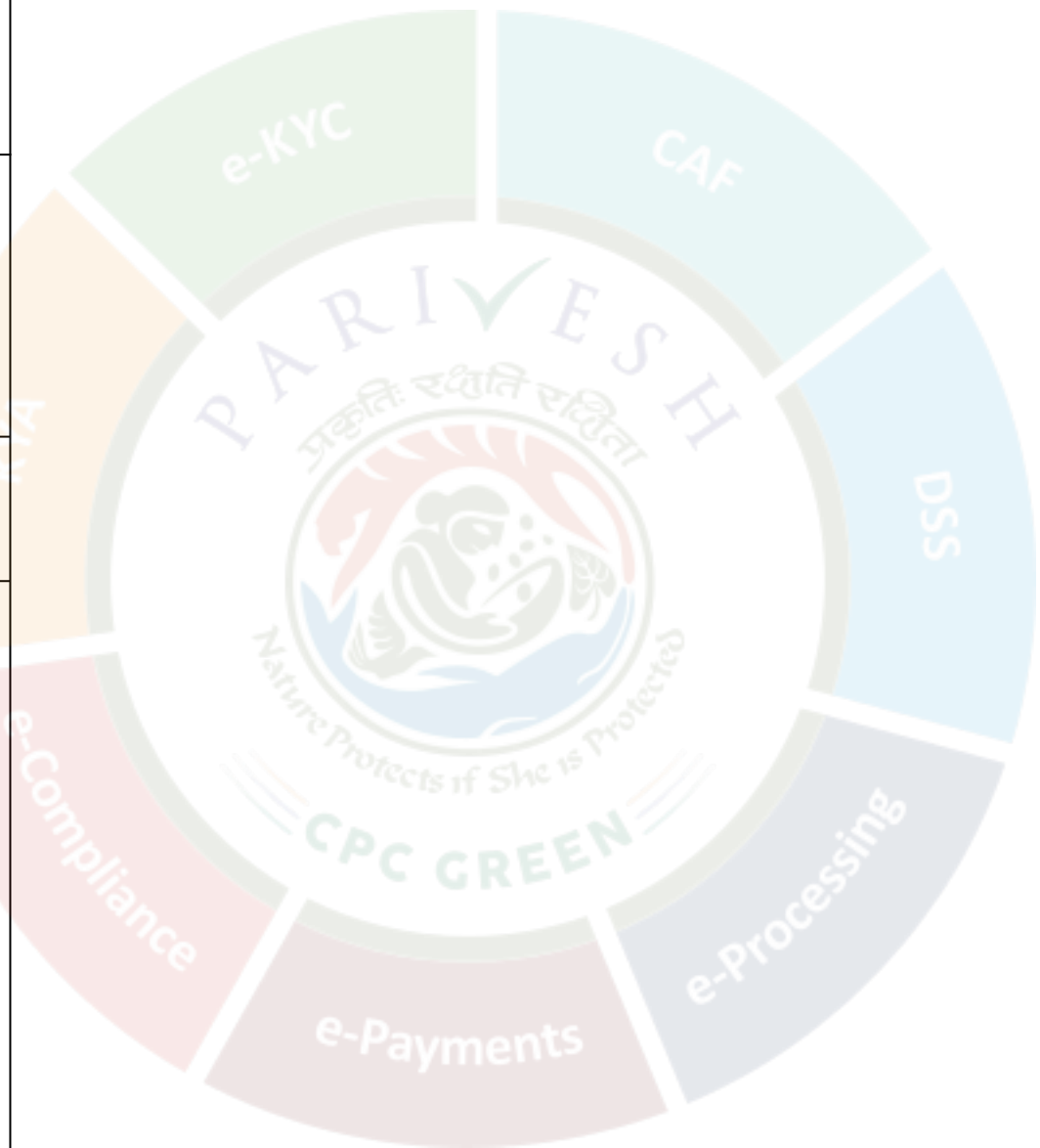
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
6.06.2024		
	When the washing system shall be installed at entry and exit gates.	Already prescribed by EAC
4. Noise Control Measures:		
	Provi	Alr



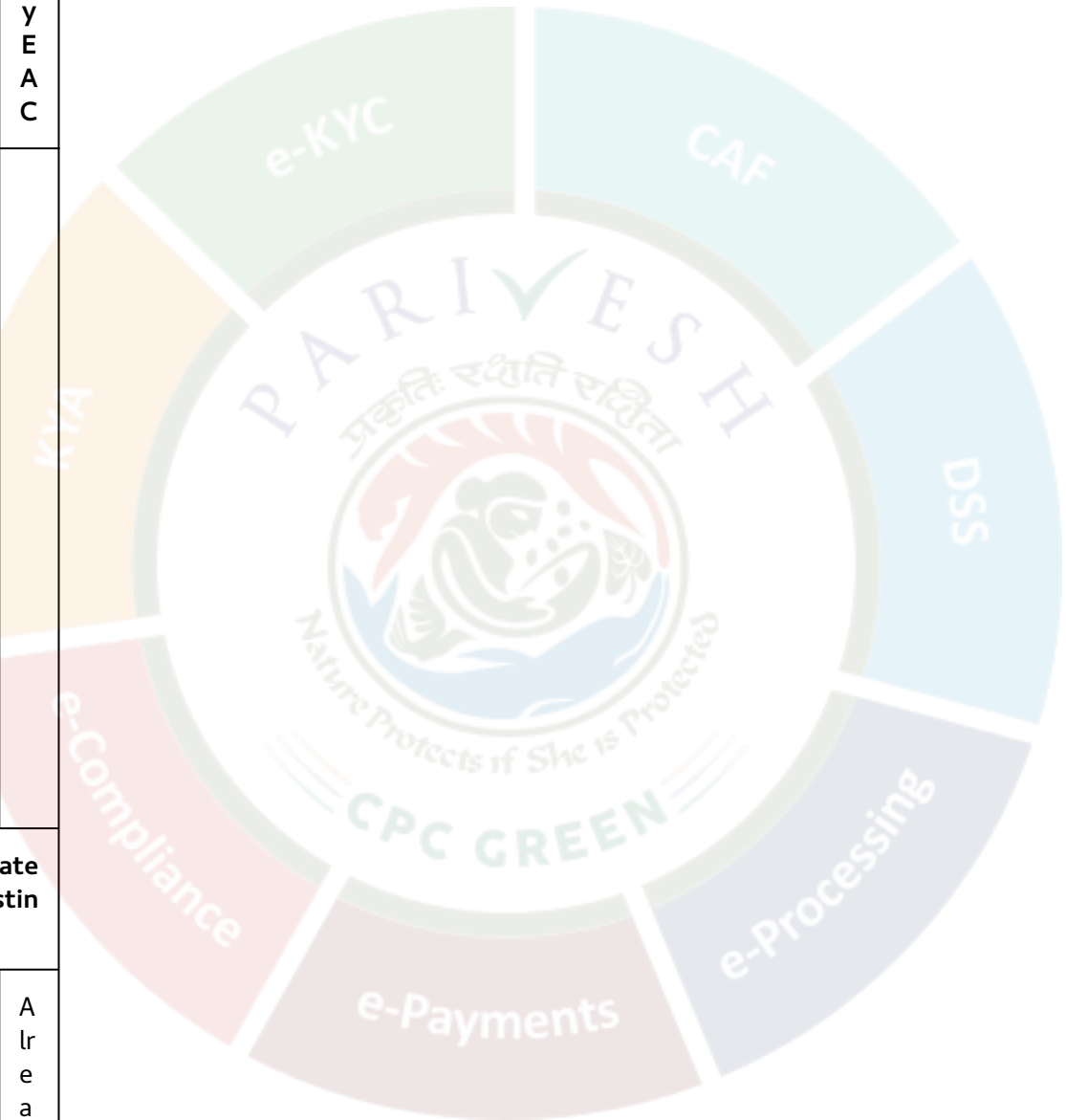
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	sion of enclosures, silencers, etc shall be provided in boilers, Turbo-Generators and DG sets for	e ad y p r e s c r i b e d b y E A C



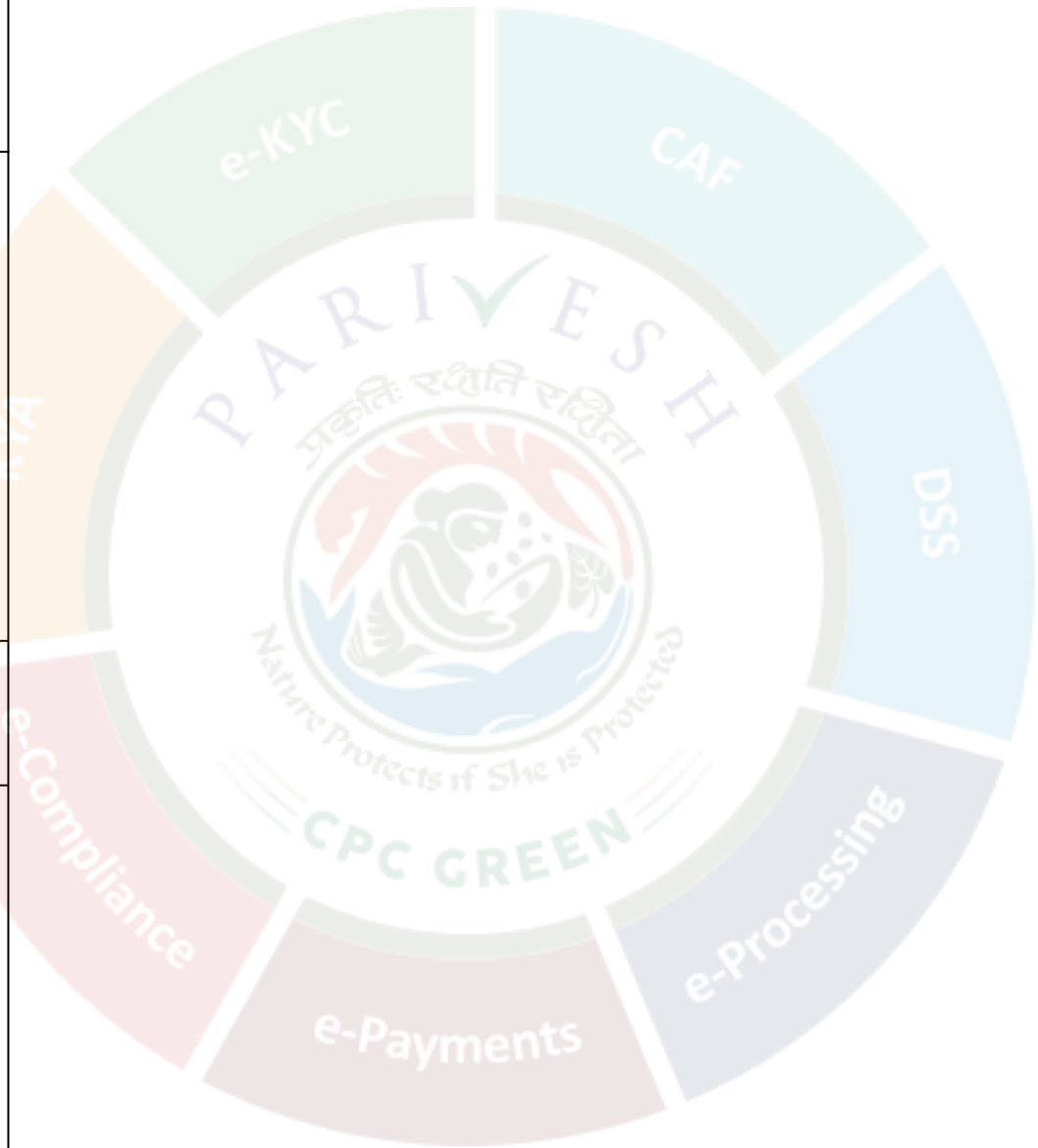
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	control noise level.	
5. Solid Waste Management:		
	Appropriate solid waste management systems must be established	Already prescribed by EAC



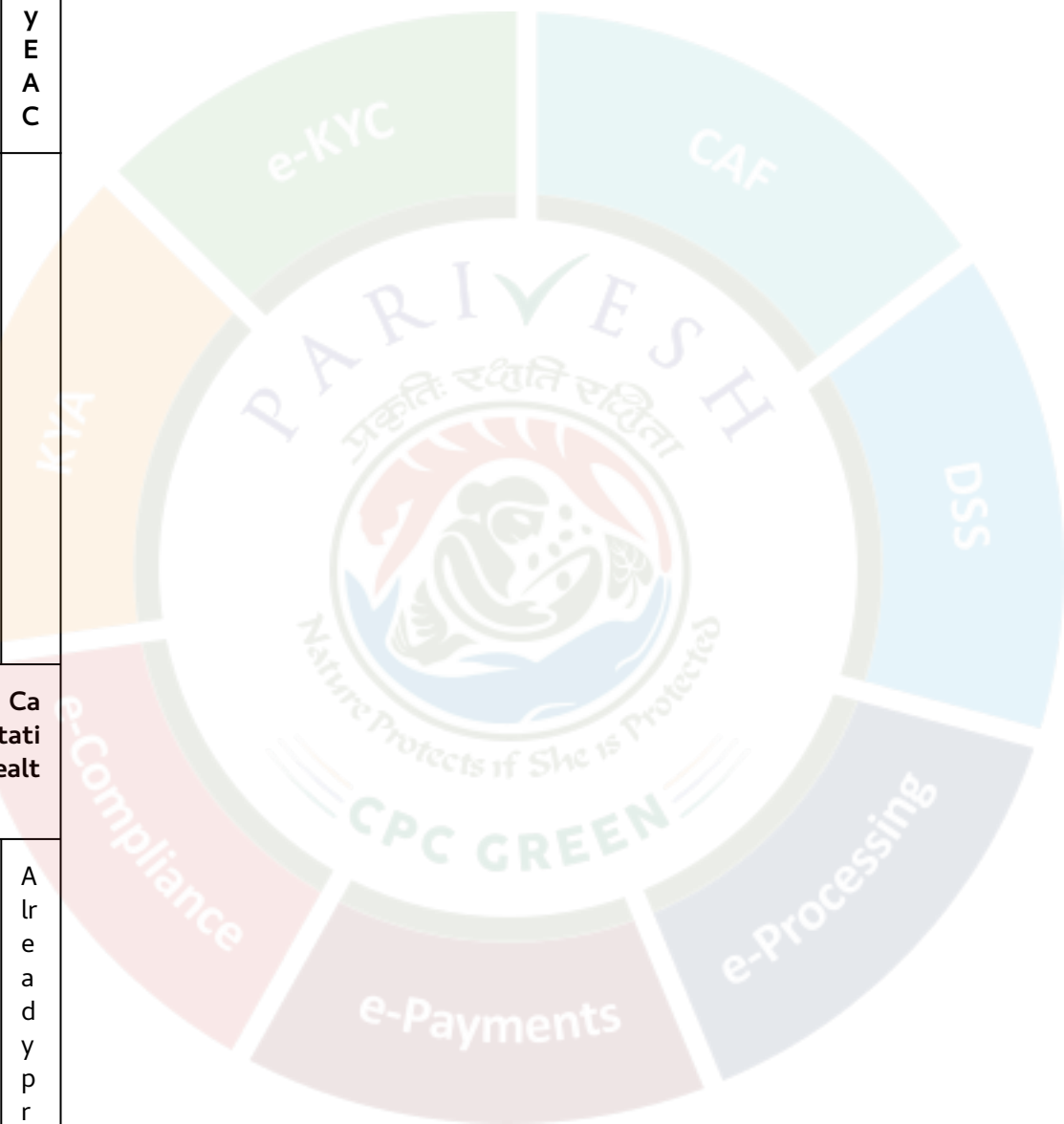
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	Published before applying for consent to operate.	
6. Rain Water Harvesting:		
	The recipient is aware to be constructed	Already prepared to be constructed



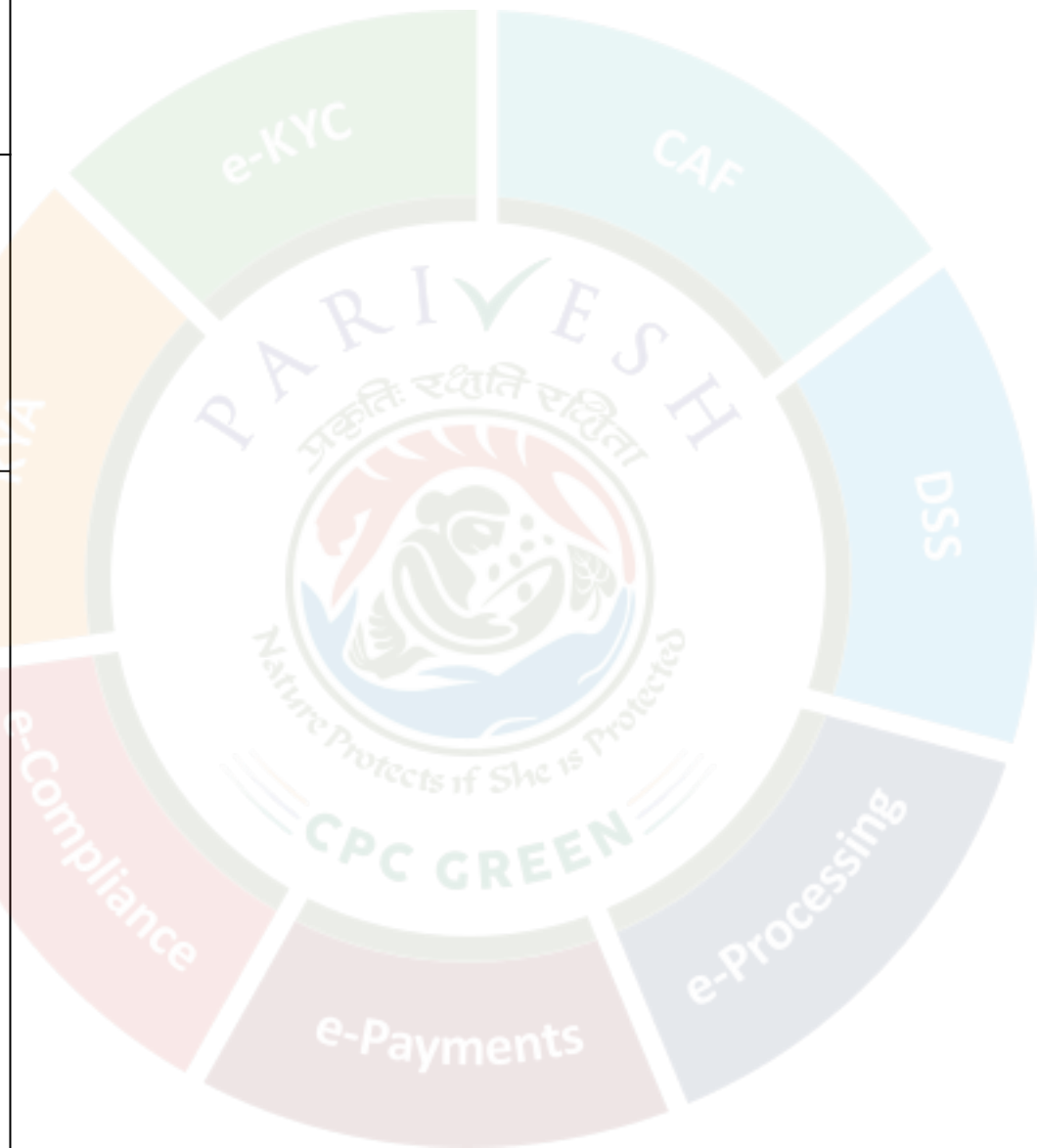
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ed for recharging the rainwater.	by EAC
7. Greenbelt and Soil Conservation:		
	Greenbelt shall be developed in 33% of total land av	Already prescribed by EAC



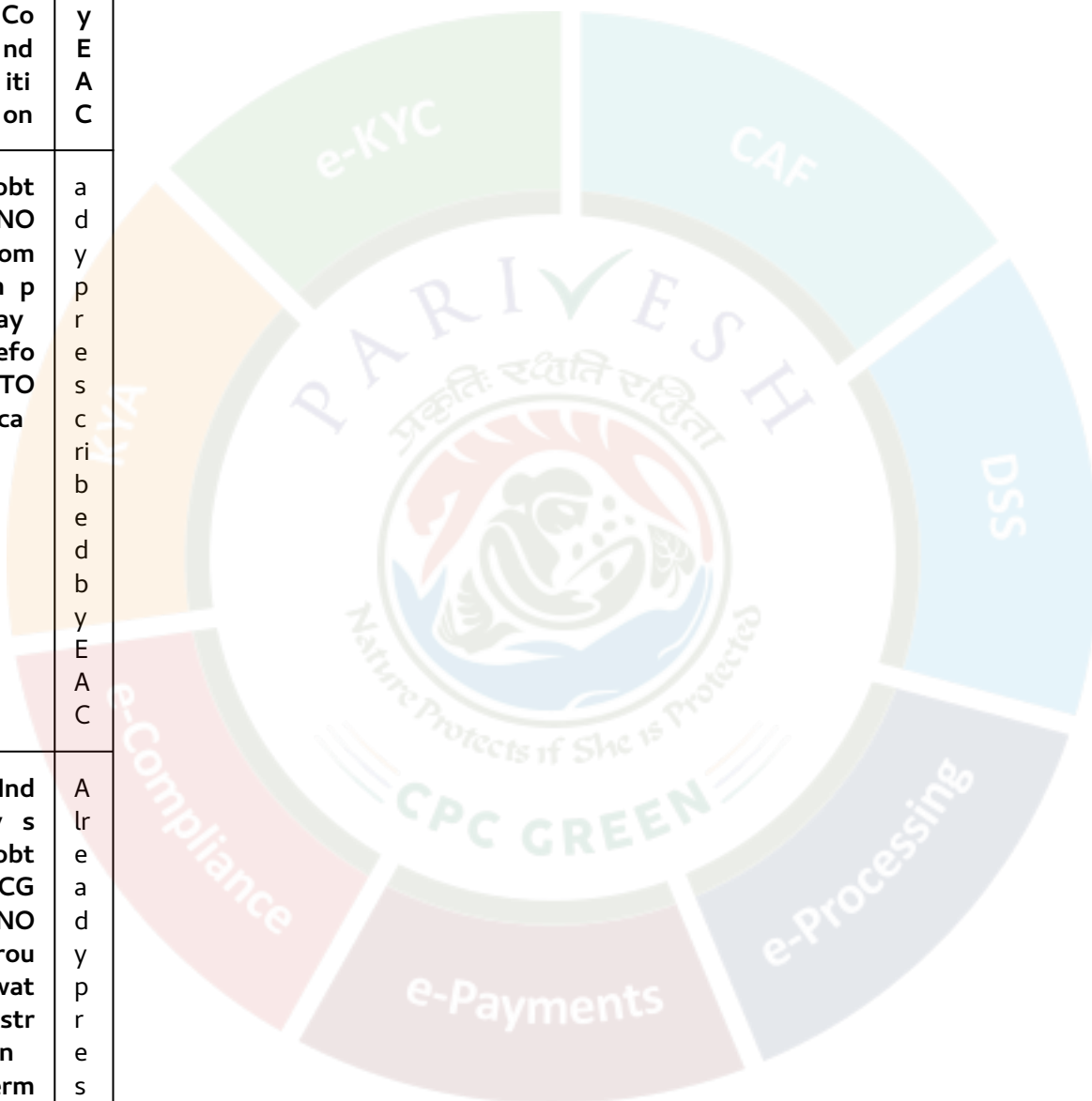
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	ailable by the Project proponent.	
8. Labour Camp Sanitation and Health:		
	Drinking water and sanitation facilities shall be pr	Allowed by EAC



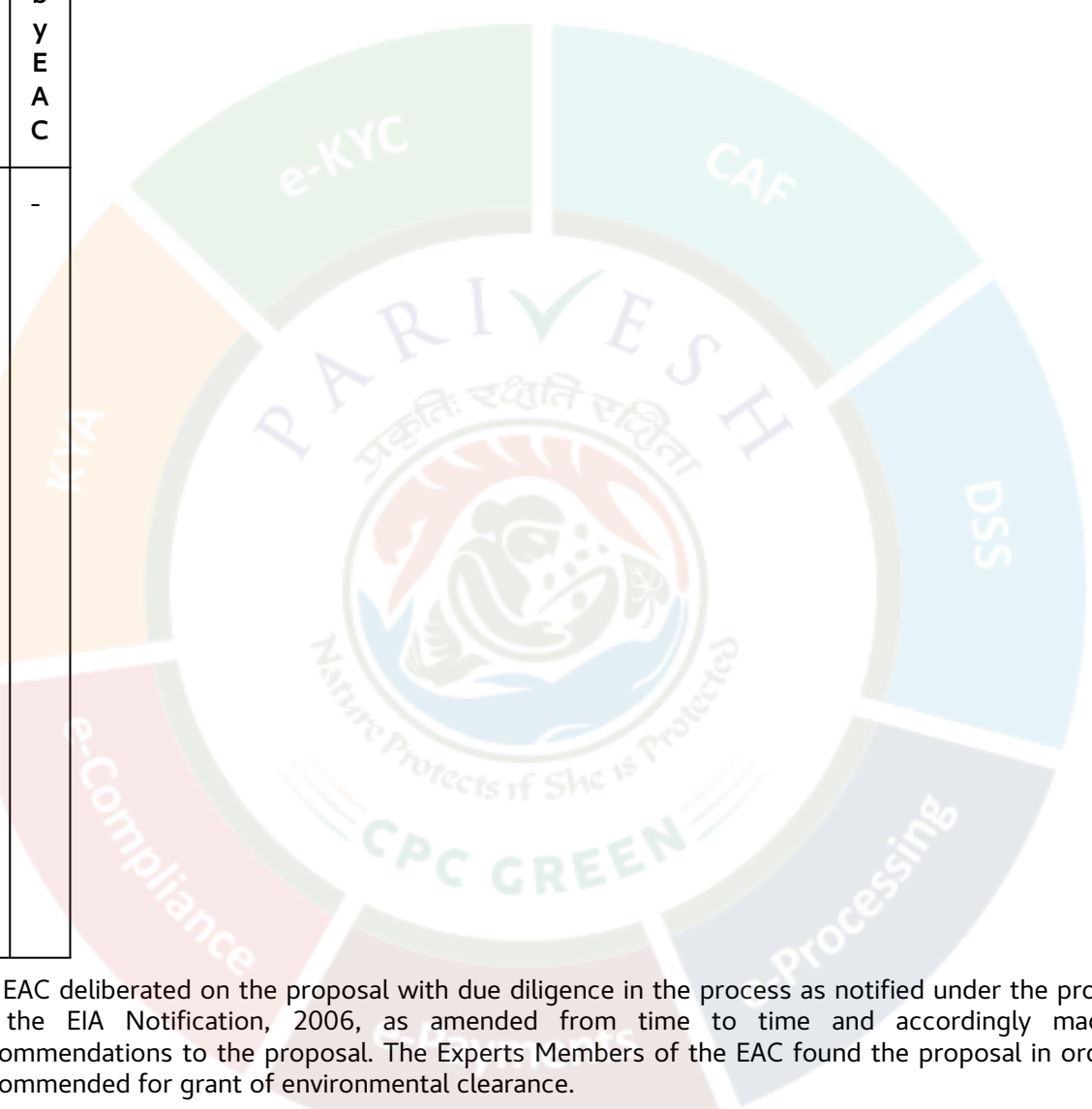
S.L. No.	Environmental Safeguard / Condition	Deliberation by EAC
	provided to labourers.	C
	Medical aid and first aid kits shall be made available on-site.	Already prescribed by EAC
9. Project Proponents		Already



S l. N o.	En vir on m en tal Sa fe gu ar d / Co nd iti on	D e li b e r a ti o n b y E A C
	hall obt ain NO C from Gram p anchay at befo re CTO applica tion.	a d y p r e s c ri b e d b y E A C
10. Ind ustry s hall obt ain CG WA NO C Grou nd wat er abstr action or Perm ission f rom co ncerne d depar tment f or with drawal of surfa ce wate r.		A lr e a d y p r e s c ri b e d b y E A C



S l. N o.	En vir on m en tal Sa fe gu ar d / Co nd iti on	D e li b e r a ti o n b y E A C
	Applica tion for Consen t to Op erate (CTO) s hall be made a fter co mplianc e of en vironm ental cl earance and all conditi ons of above E nviron mental Safegu ards.	-

- 
19. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
20. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
21. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project

is also being stipulated with the modified General conditions.

Recommendations of the Committee:

3.3.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.3.6. Details of Environment Conditions

3.3.6.1. Specific

Specific	
1.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
2.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
3.	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
4.	Nawagoan Village is at a distance of 0.9 Kms. (N Direction), Konka Village Pond at 0.03 km in North of site along with other sensitive areas within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
5.	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
6.	Konka Village Pond at 0.03 km in North direction along with other sensitive areas within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
7.	Water required for the proposed project will be 650 KLD which will be sourced from Ground water source (490 KLD) and Water Reservoir proposed within the site premises (160 KLD). PP shall secure the required approval from the appropriate authority. PP shall also explore alternate source of water to minimise its dependency on ground water.

8.	Green Belt shall be developed and maintained in 3.86 ha (25% of project area), in a period of 1 year and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
9.	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in).
10.	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 5.10 crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
11.	The project proponent shall implement all commitments made during the Public Hearing, and shall ensure that no adverse impact on agriculture occurs due to project activities. In case of any crop damage attributable to the project, compensation shall be provided as per State Government norms, as committed.
12.	PP shall implement the skill development programs, in alignment with relevant Government initiatives/programmes (like Mission LIFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
13.	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
14.	PP shall Install CO sensors with alarms at strategic locations in the Plant.
15.	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
16.	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported.
17.	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations.

	Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1 8.	PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
1 9.	PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
2 0.	If any deviation found in the project cost at the time of application for CTO, Project Proponent shall be liable to pay the difference amount.
2 1.	PP shall emphasize practicing good housekeeping to maintain hygienic conditions at work site.
2 2.	The recommendations of CECB, to the extent not already covered under the stipulated EC conditions, shall be incorporated suitably without duplication.

3.3.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Statutory compliance	
1.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
2.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
Air Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 02 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area covering upwind and downwind directions.
3.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited

	laboratories.
4.	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
6.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
9.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
10.	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
11.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
12.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
13.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
14.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
15.	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
16.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
17.	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
18.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and

	similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
Air Quality Monitoring and Preservation in case of Ferro Alloy Plants	
1.	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
2.	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
3.	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
4.	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m ³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants. (in case of Silico Manganese and Ferro Silicon alloy steel)
5.	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
6.	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
7.	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
8.	Low NO _x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.
Water Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.	Water meters shall be provided at the inlet to all unit processes in the plants.
5.	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.

6.	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
7.	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
8.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
Water Quality Monitoring and Preservation in case of Rolling Mills	
1.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time. (in case of rolling mills)
2.	Air Cooled condensers shall be used in the captive power plant.
Noise Monitoring and Prevention	
1.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
2.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
Energy Conservation Measures	
1.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
2.	Provide LED lights in their offices and residential areas.
Energy Conservation Measures in case of Reheating Furnace	
1.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2.	Practice hot charging of slabs and billets/blooms as far as possible.
3.	Ensure installation of regenerative type burners on all reheating furnaces
Energy Conservation Measures in case of DRI Kilns (Sponge Iron)	
1.	The project proponent shall provide waste heat recovery system on the DRI Kilns.
2.	The dolochar generated shall be used for power generation.
3.	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.

4.	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
Waste Management	
1.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.
2.	Kitchen waste shall be composted or converted to biogas for further use.
3.	Used refractories shall be recycled as far as possible.
4.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
5.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
6.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
7.	Solid waste utilization: a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.
Waste Management in case of Sinter Plant	
1.	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
2.	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
3.	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
Green Belt	
1.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
2.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition

	pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
3.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
Public Hearing and Human Health Issues	
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
3.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
Environment Management	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
2.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
6.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
7.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
8.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
9.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
11.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
13.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

1 7.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3.4. Agenda Item No 4:

3.4.1. Details of the proposal

Expansion of Sponge Iron Unit from 200 TPD (2X100 TPD) to 550 TPD (1X350 TPD), Captive Co-gen Power Plant from 10 MW to 20 MW and Establishment of 6 Lakh Tonnes Per Year Iron Ore Pellet Plant with Coal gasifier, 1.3 Lakh Tonnes Per Year TMT rebar and other steel products by M/s. Dhruvdesht Metastee l Pvt. Ltd. by DHRUVDESH METASTEEL (PRIVATE) LIMITED located at KOPPAL,KARNATAKA			
Proposal For		Expansion EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/KA/IND1/459470/2026	J-11011/391/2006-IA.II(IND-I)	08/04/2026	Metallurgical Industries (ferrous and non ferrous) Sponge Iron Manufacturing I ndustry (3(a))

3.4.2. Project Salient Features

[Proposal no.: IA/KA/IND1/459470/2026; File No. IA-J-11011/391/2006-IA-II (IND-I)] [Consultant: Environmental Health and Safety Consultants Private Limited; Valid upto: 23.08.2027]

3.4.3. Deliberations by the committee in previous meetings

N/A

3.4.4. Deliberations by the EAC in current meetings

3.4.5. Recommendation of EAC

Returned in present form

3.5. Agenda Item No 5:

3.5.1. Details of the proposal

Integrated Cement Plant with production capacity of Clinker - 8.0 Million TPA (2 x 4.0 Million TPA), Cement (OPC, PPC, PSC, CC and LC3) - 6.0 Million TPA (2 x 3.0 Million TPA), WHRS - 50 MW (2 x 25 MW), CPP - 20 MW & D.G. Sets- 4000 kVA and Residential Colony (Built up Area - 19190 Square Meter) in phased manner at Village: Lototi, Tehsil : Jaitaran, District: Beawar, Rajasthan by Star Cement North East Ltd. b y STAR CEMENT NORTH EAST LIMITED located at Beawar,RAJASTHAN

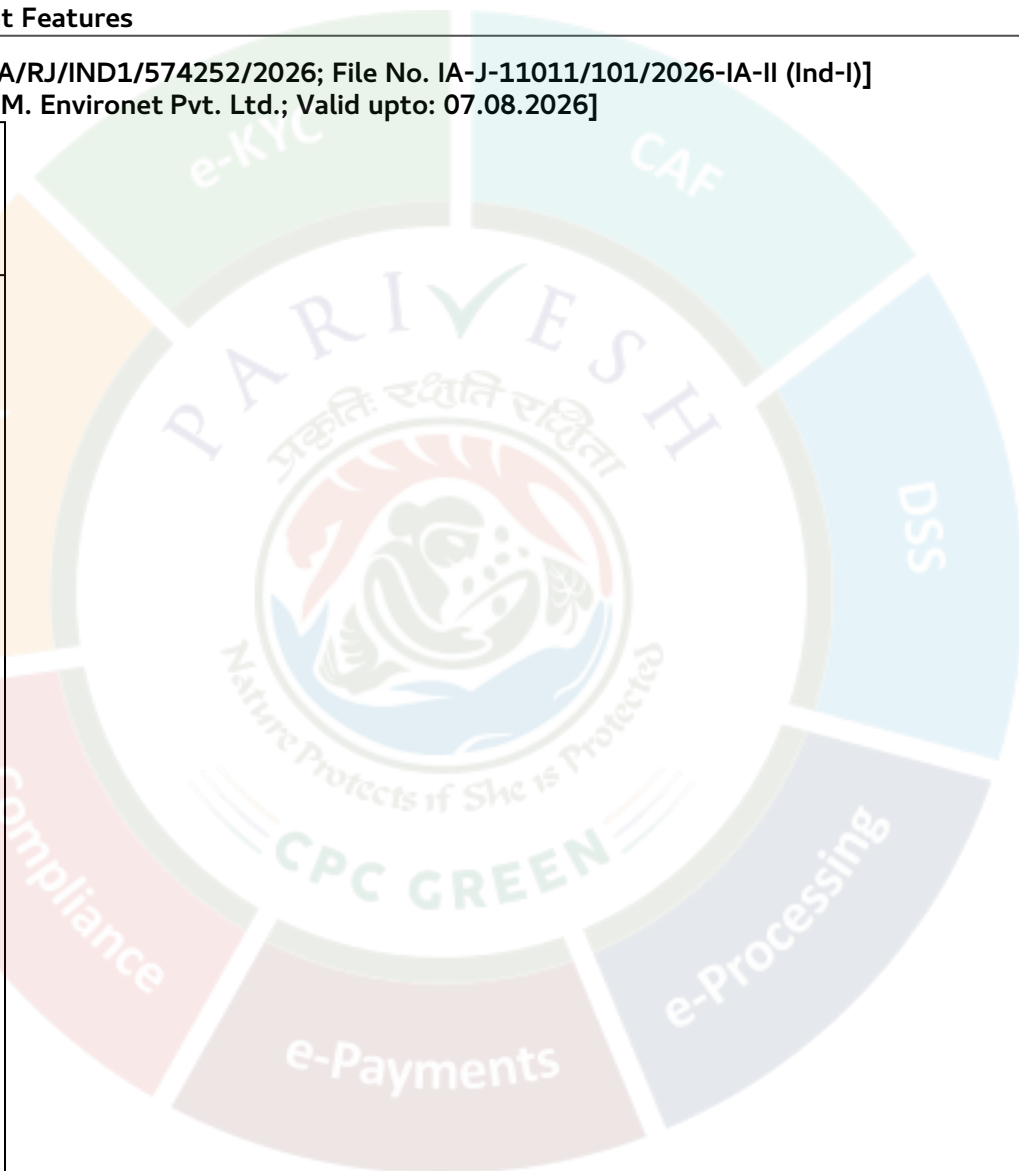
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/RJ/IND1/574252/2026	IA-J-11011/101/2026-IA-II(Ind-I)	07/05/2026	Cement plants Integrated Cement plants and Grinding units (3(b))

3.5.2. Project Salient Features

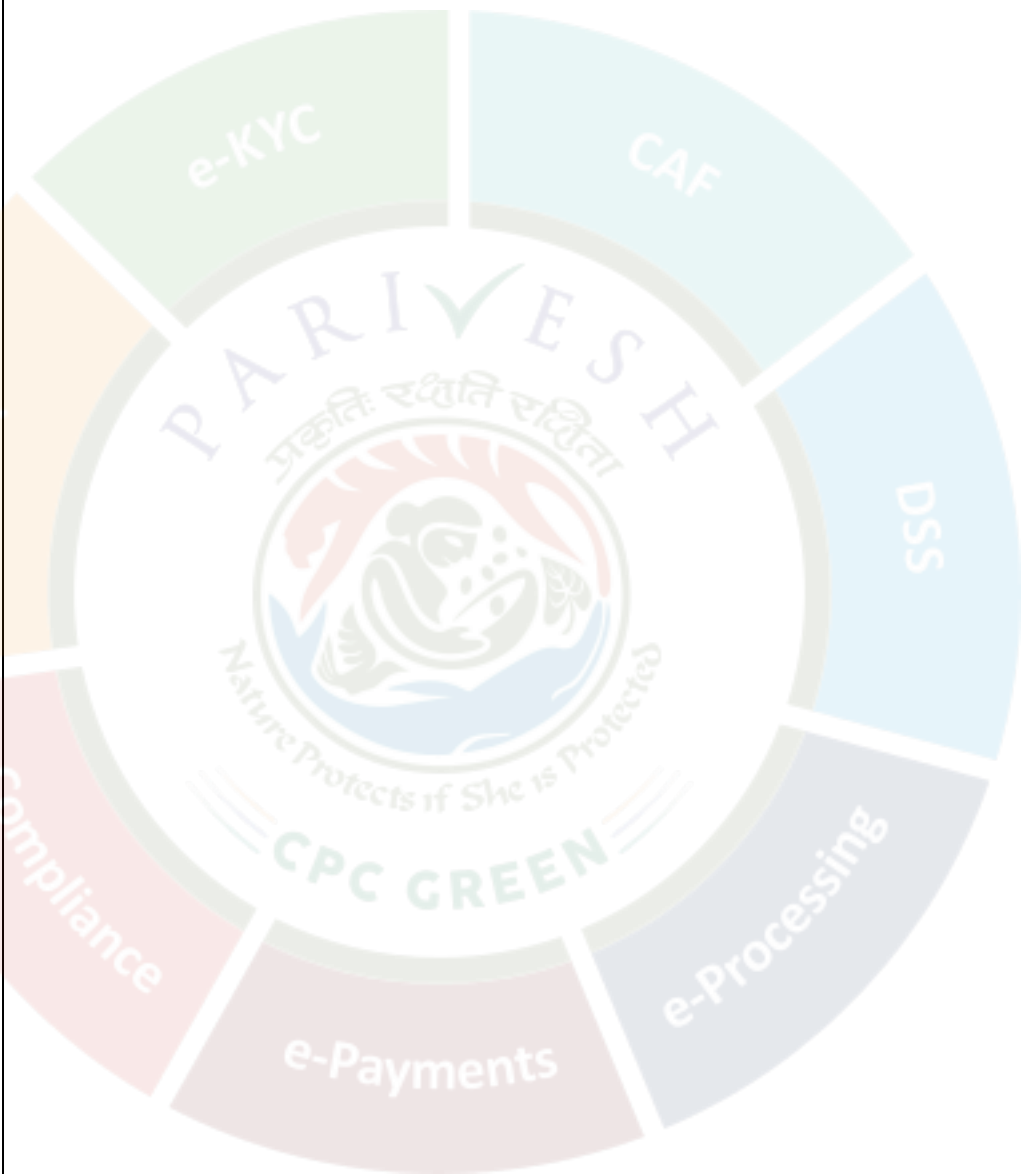
[Proposal no.: IA/RJ/IND1/574252/2026; File No. IA-J-11011/101/2026-IA-II (Ind-I)]

[Consultant: J. M. Environet Pvt. Ltd.; Valid upto: 07.08.2026]

S. No.	EDS Point	Reply
	The PP has indicated that total land is 91.5 Ha, out of which inputs of 26(+) Ha are provided. It is not clear from the Agreement that whether land is in	The total plant area for the proposed Integrated project is 91.5 Ha. The Agreement is for 26(+) Ha. It is not clear from the Agreement that whether land is in



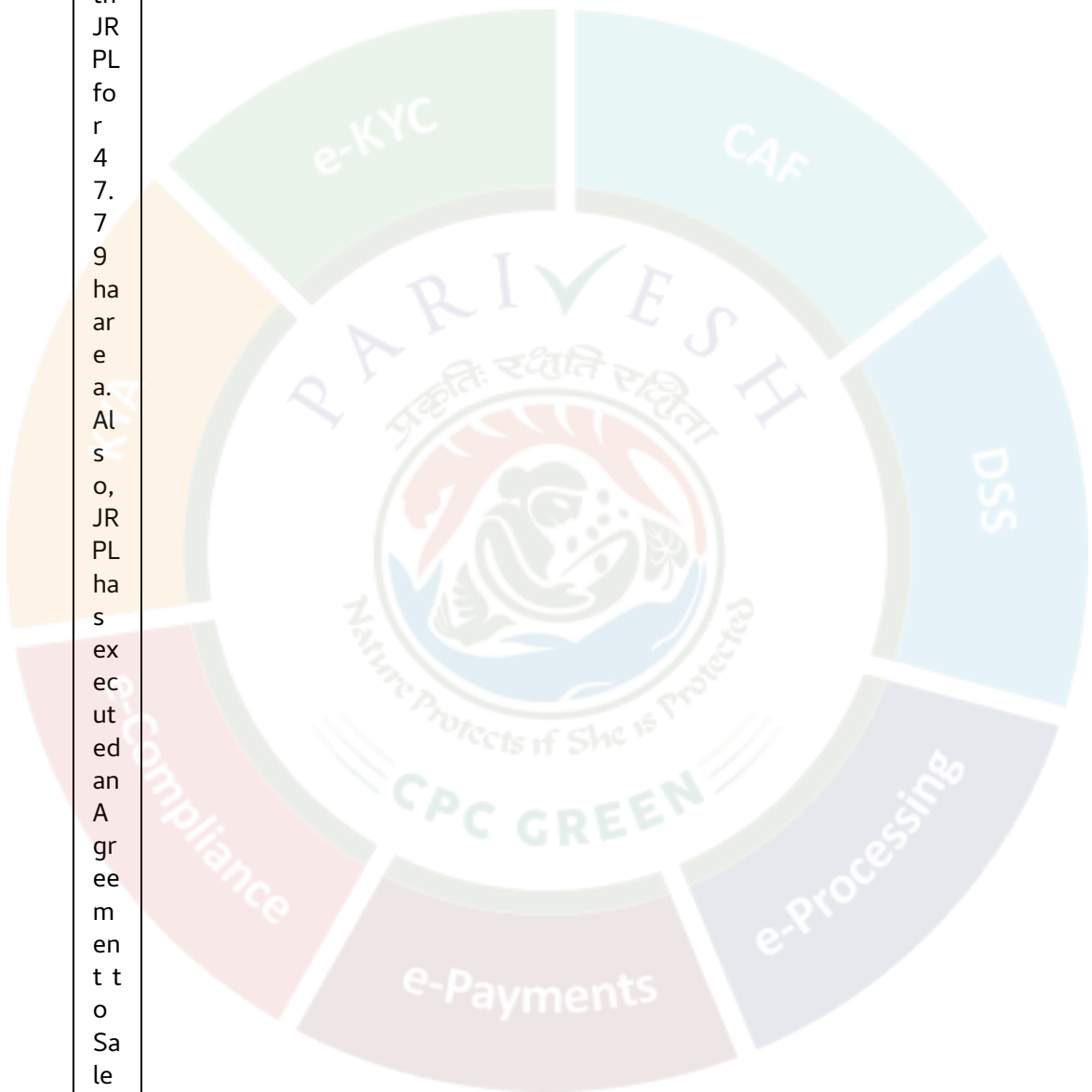
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	pos session of le sso r. H enc e, th e do cum ents be u ploa ded in it s su ppo rt. S imil ar d etail s of rem aini ng l and 65 Ha (+) may be p rovi ded to h ave an i dea abo ut t he s tatu s of own ersh ip/ a cqui sitio n pr oce ss. I t ma	Th e l an d ac qu isi ti on is in pr oc es s and be in g d on e th ro ug h a th ir d Pa rt y i. e. Ja ita ra n Re ne w ab le P o w er Li mi



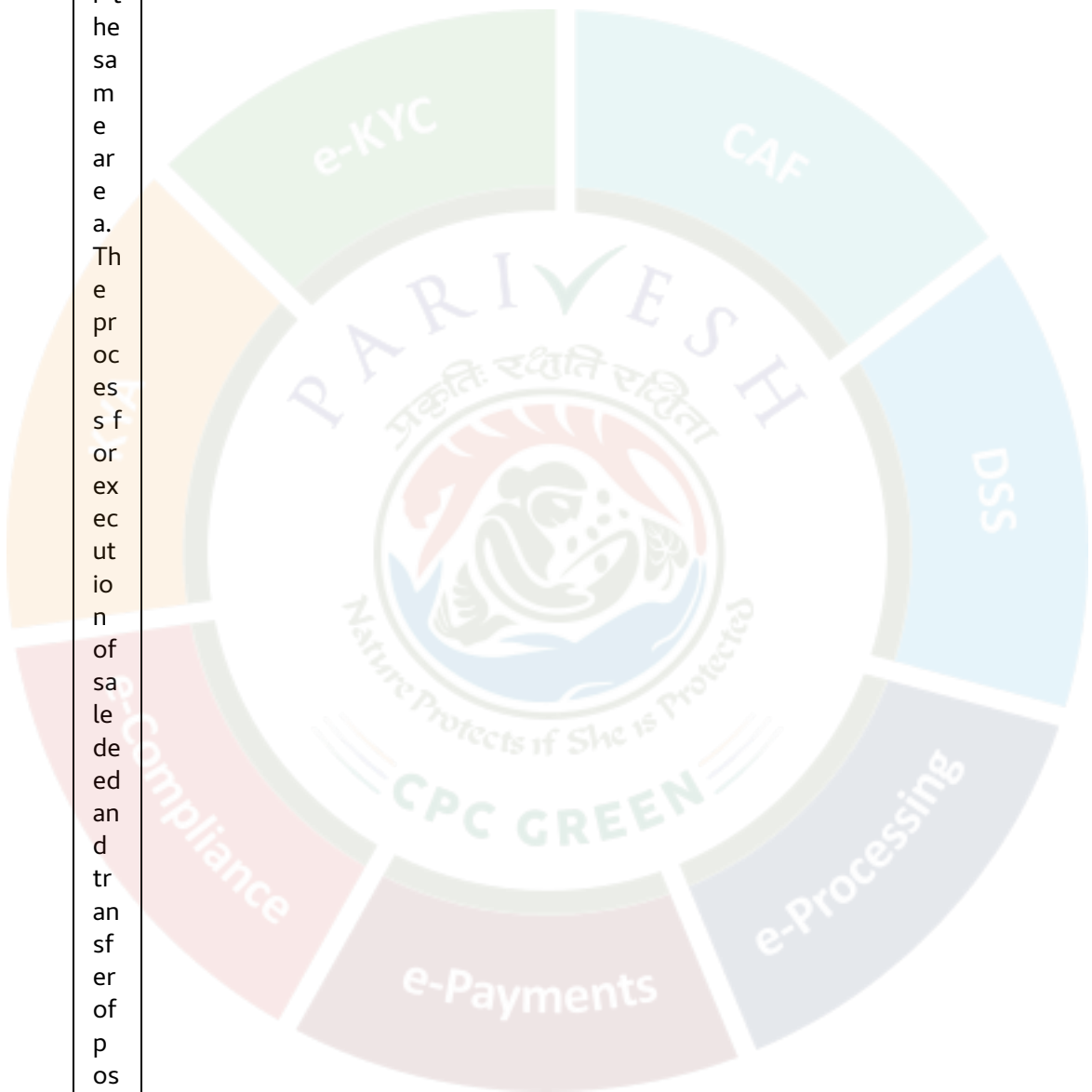
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	y als o be clari fied whe ther land acq uisit ion wou ld re quir e G ovt. inte rven tion. And, if s o, t he c orre spo ndin g de tails may also be u ploa ded.	te d (J R P L). O ut of to tal la nd ar e a, St ar C e m en t N or th Ea st Li mi te d (S C N E L) ha s ex ec ut ed an A gr ee m en t t o



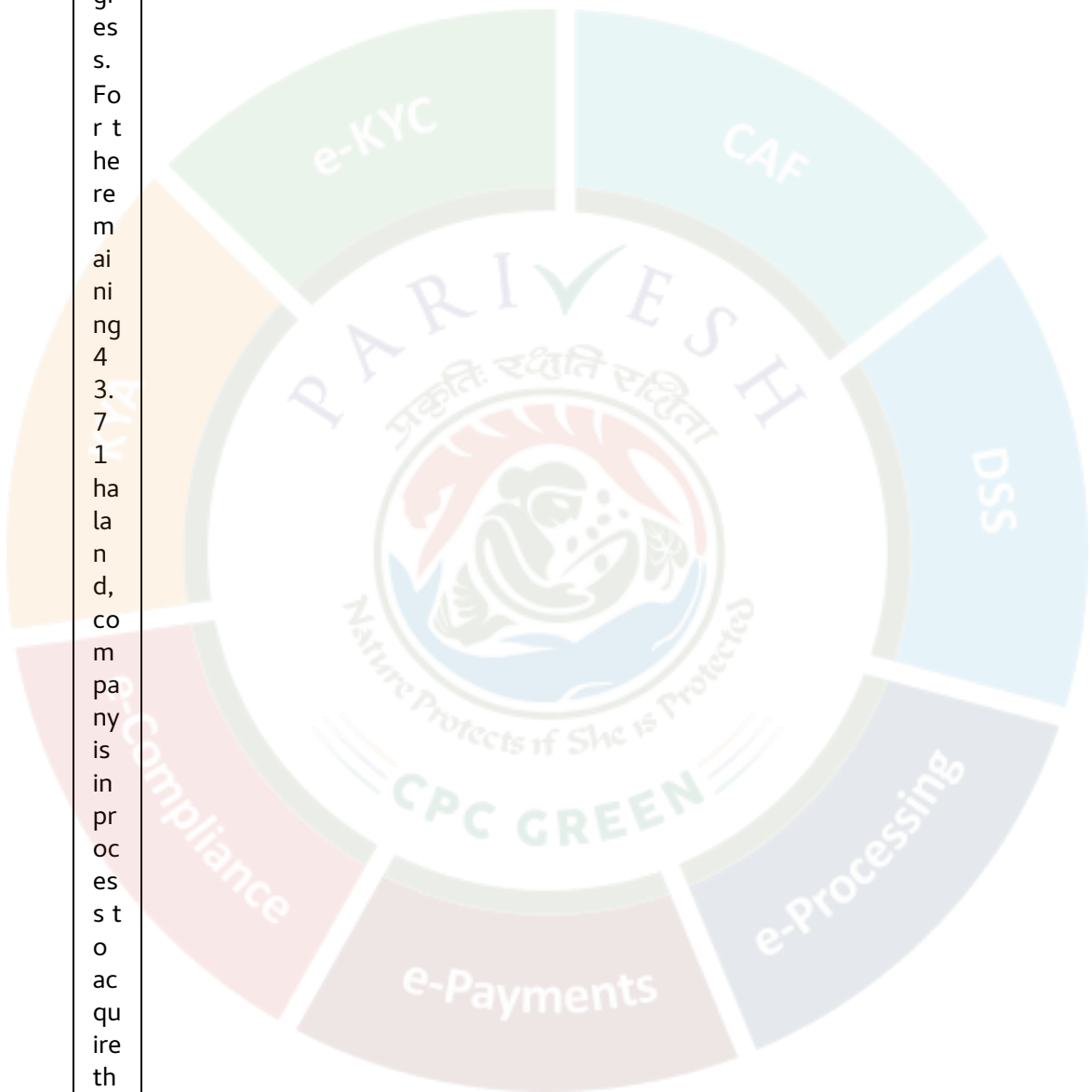
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		Sa le (A T S) wi th JR PL fo r 4 7. 7 9 ha ar e a. Al s o, JR PL ha s ex ec ut ed an A gr ee m en t t o Sa le (A T S) wi th in di vi du al la



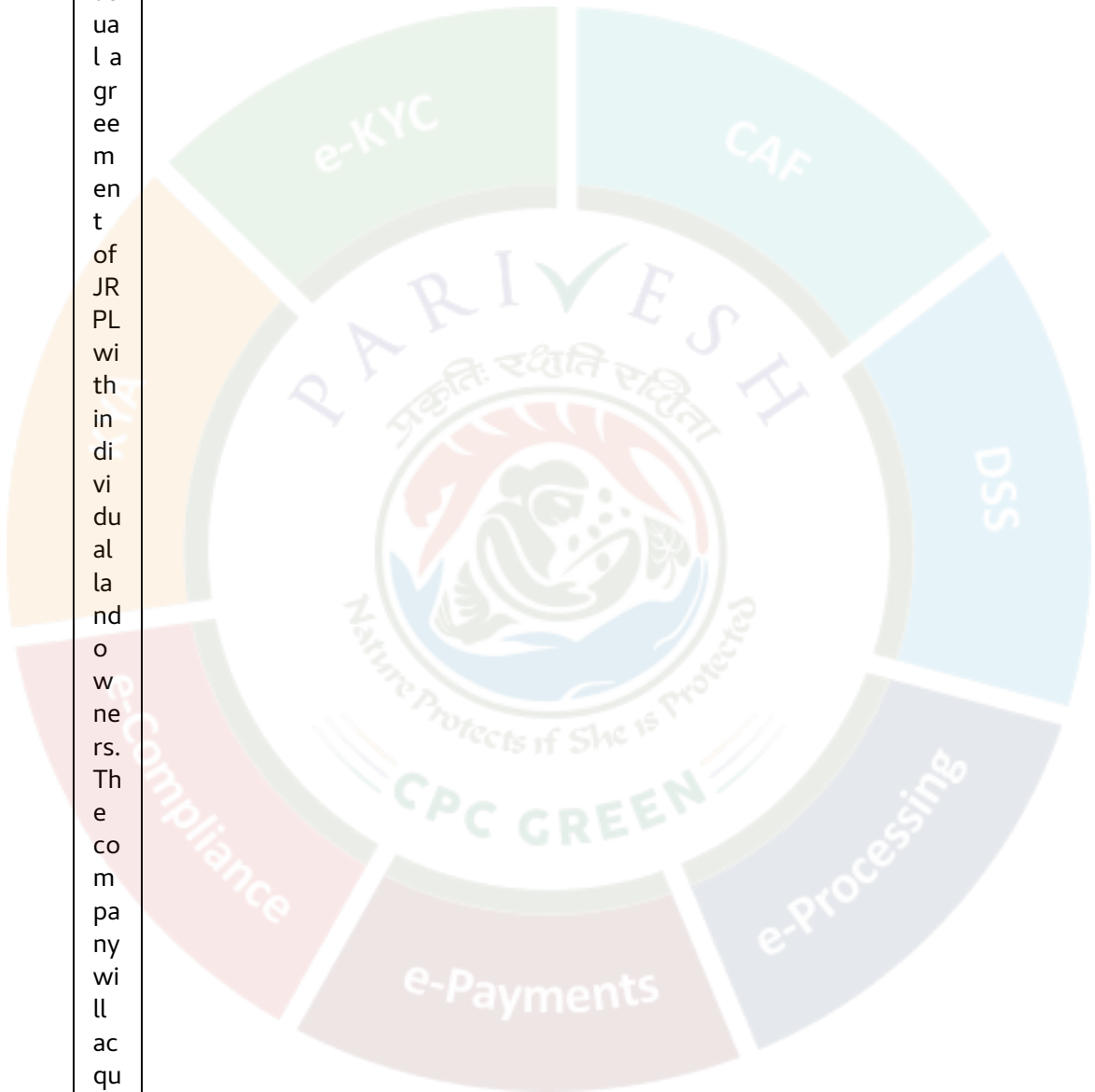
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		nd o w ne rs fo r t he sa m e a. Th e pr oc es s fo r ex ec ut io n of sa le de ed and tr an sf er of p os se ss io n fo r t he sa id la nd



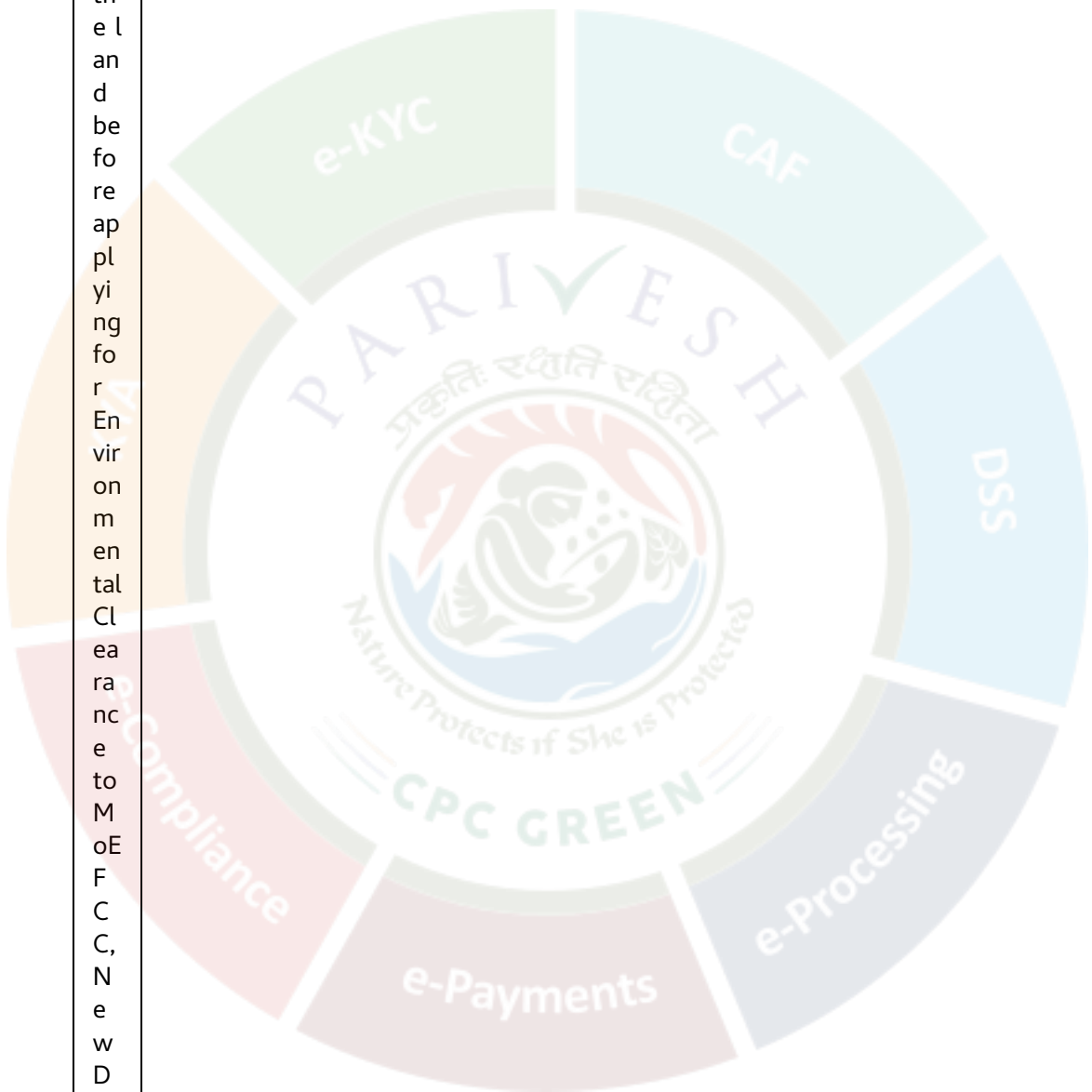
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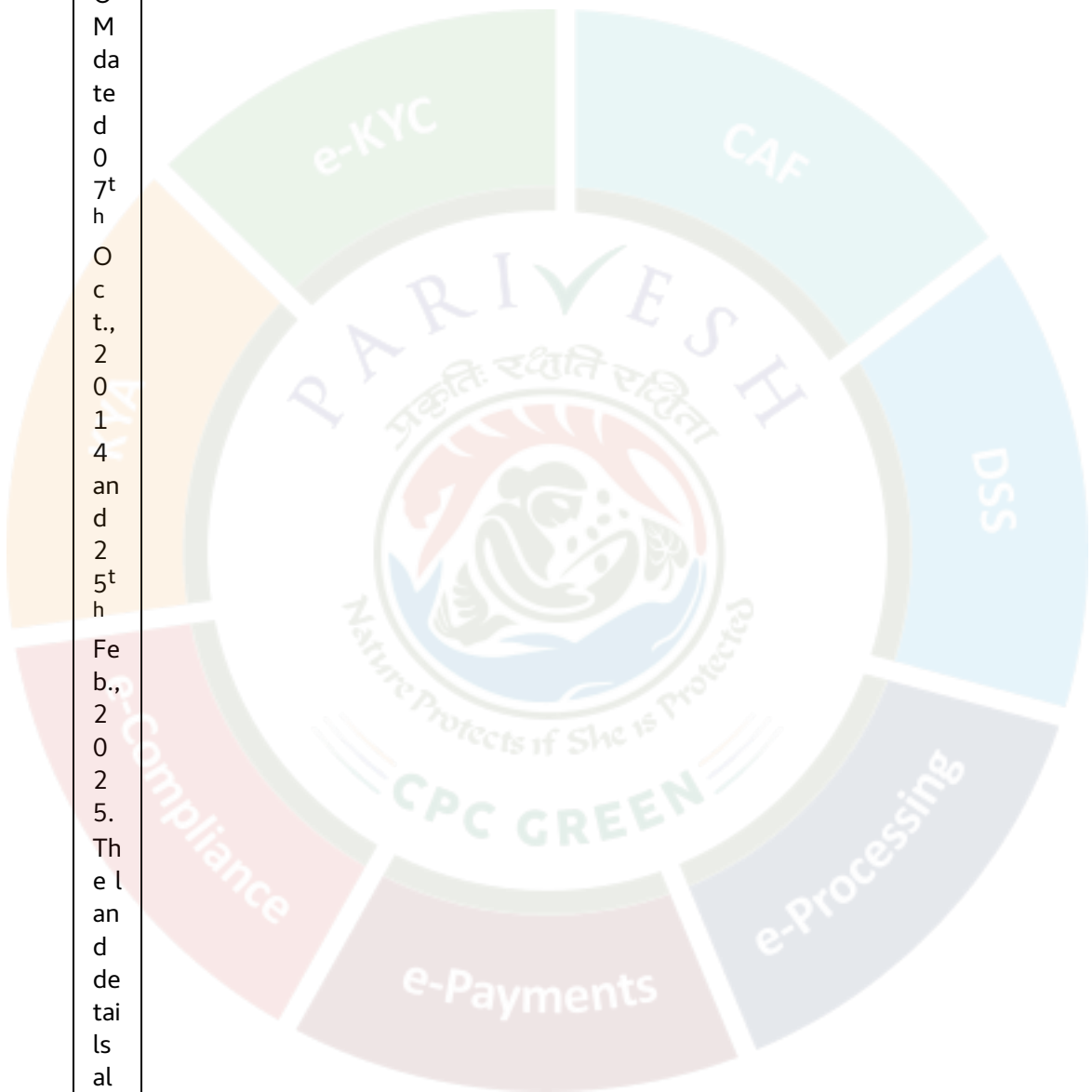
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		e basis of mutual agreement of JR PL with individual land owners. The company will acquire the land / will do ag



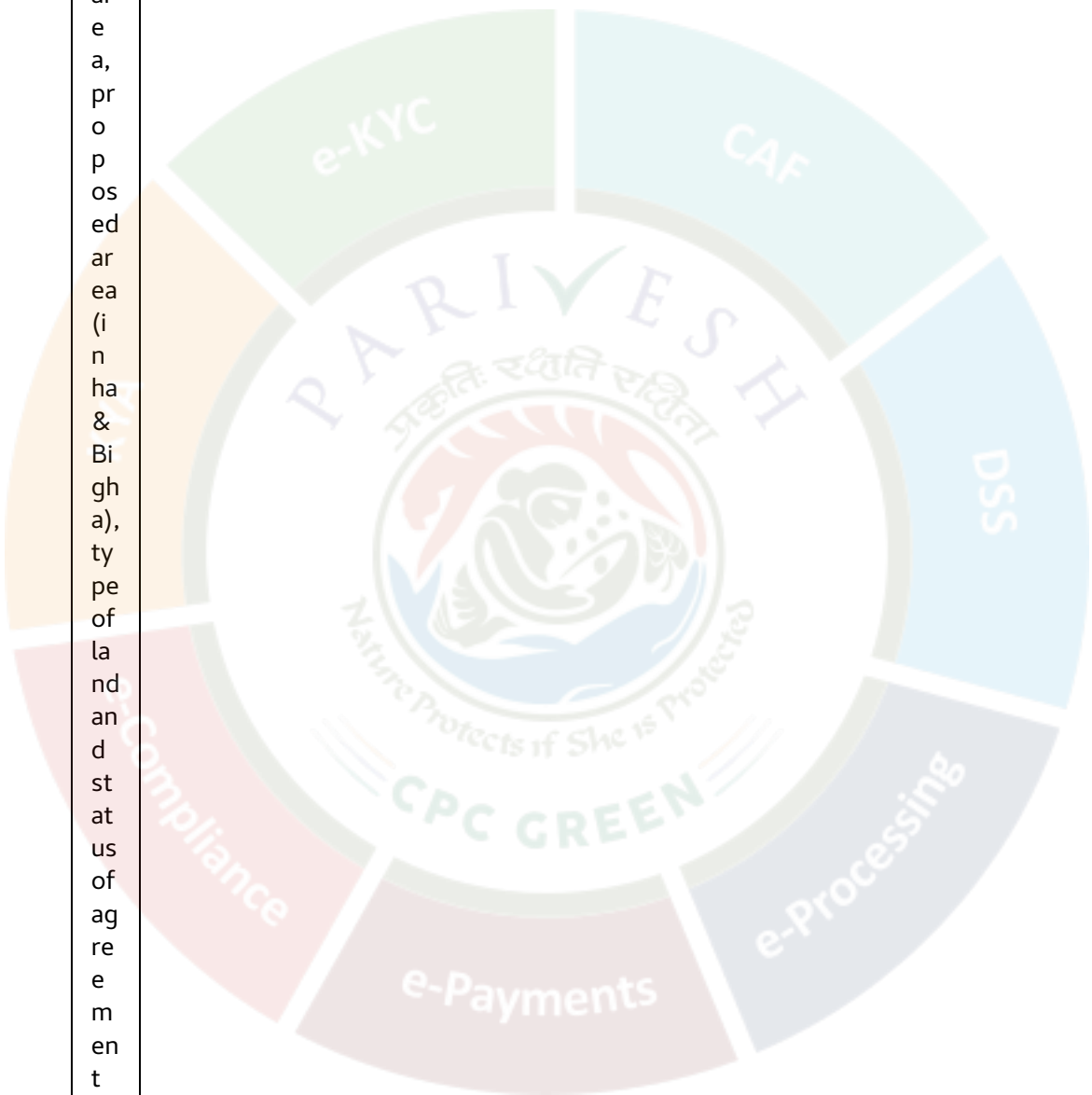
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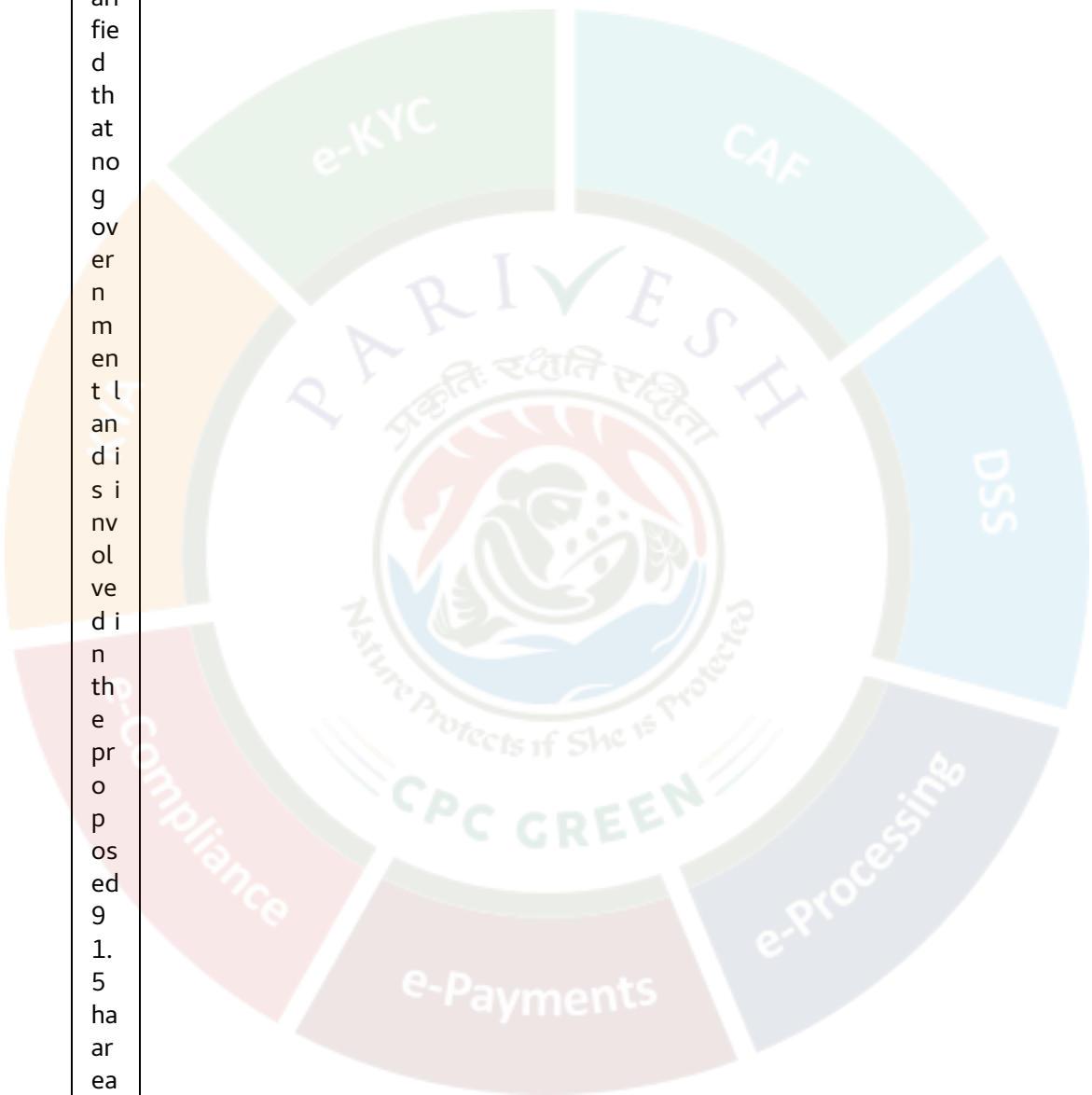
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		MoEFCCOM dated 07th Oct., 2014 and 25th Feb., 2025. The and details along with Khatana No., Khatana



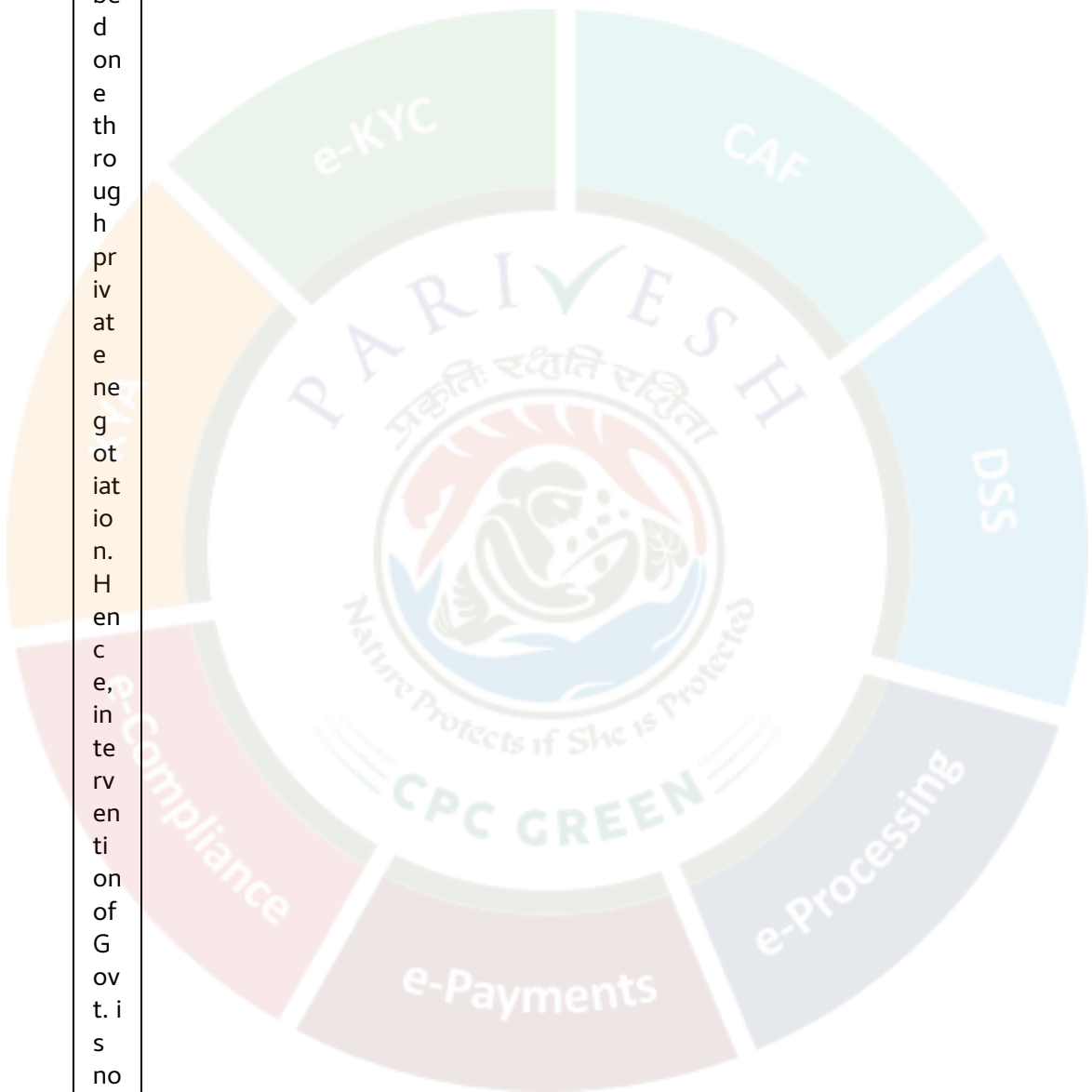
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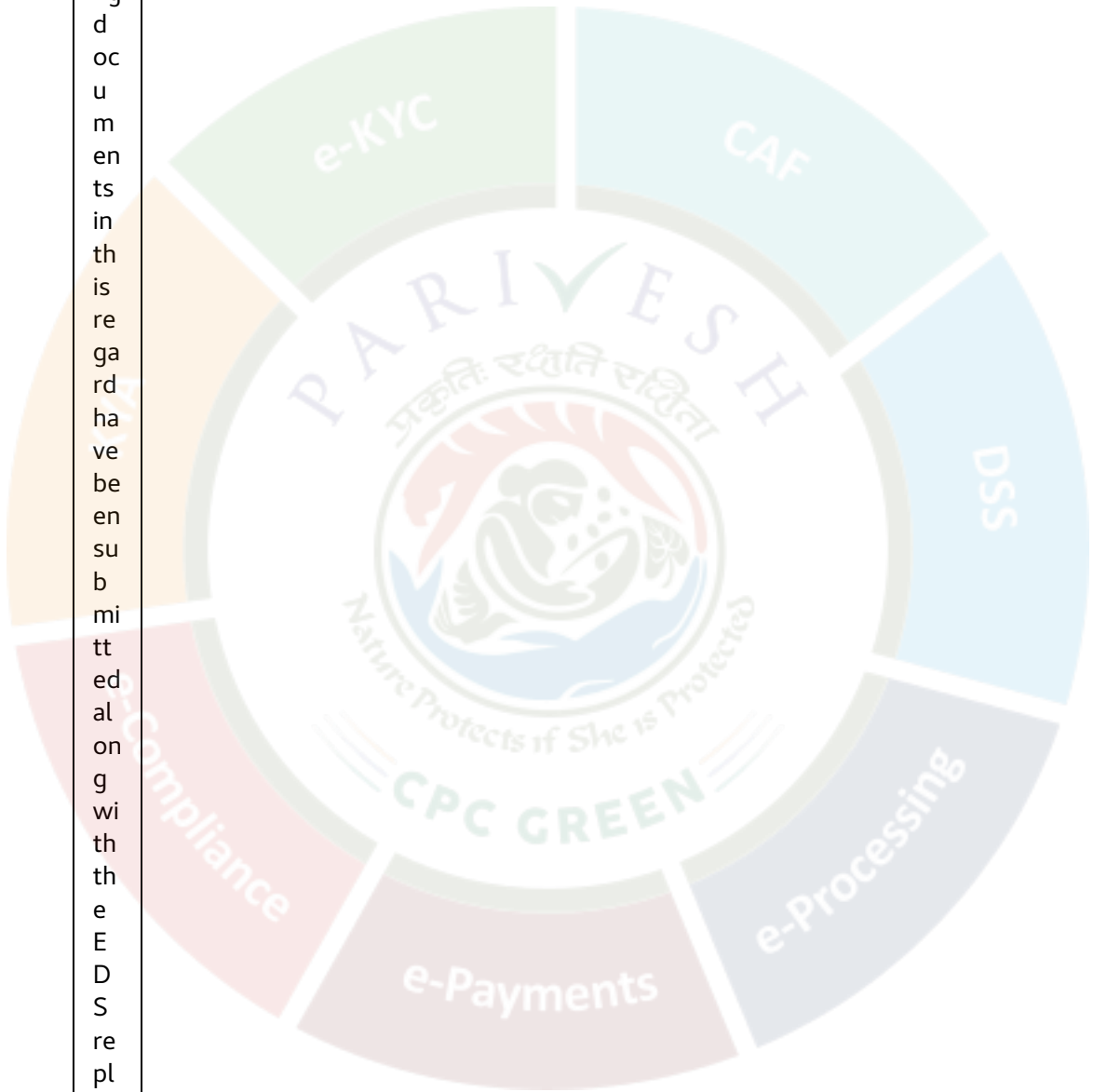
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		d. It is also clarified that no government and its involvement in the proposed 91.5 ha area and acquisition of compl



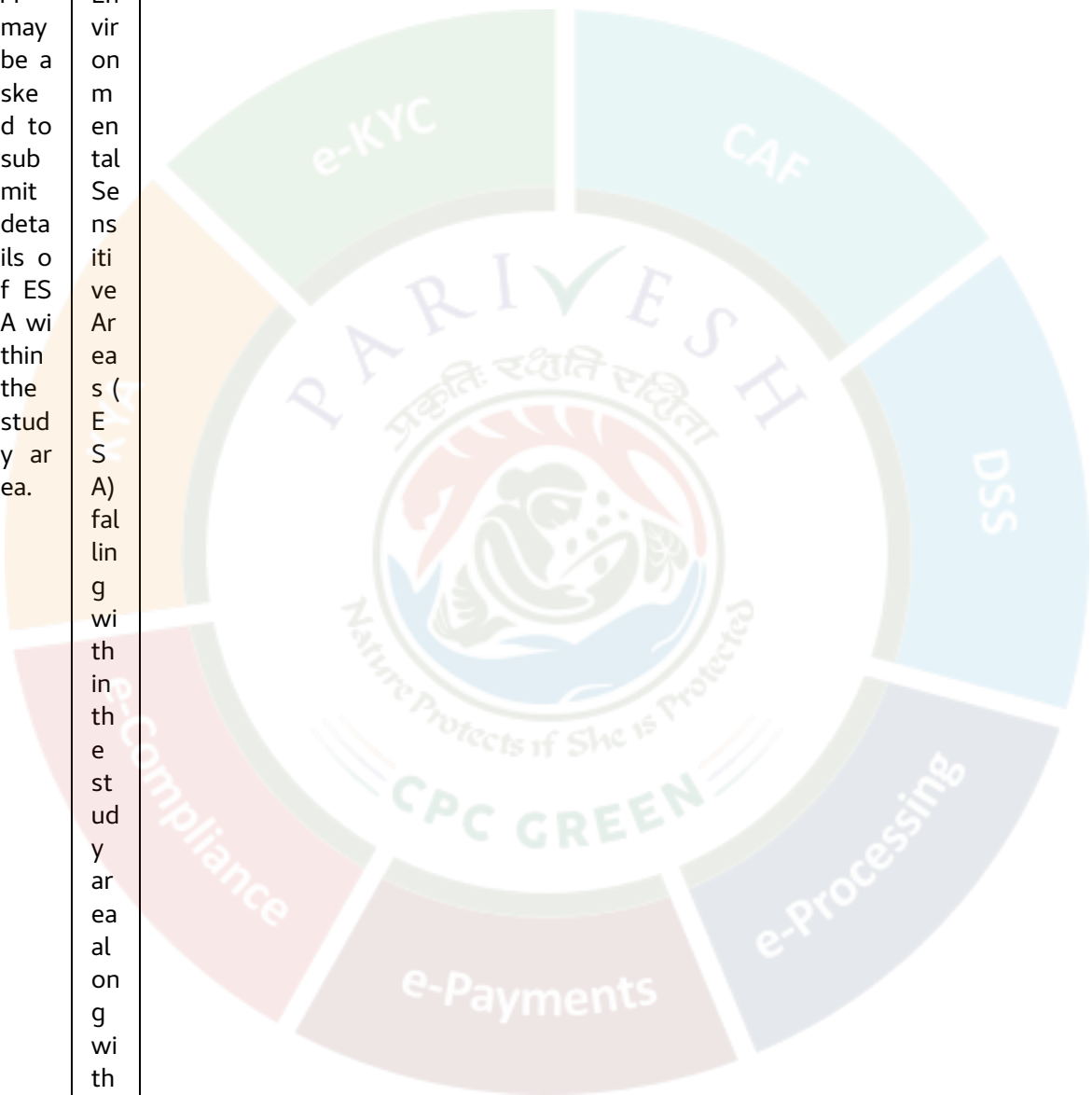
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		et e l and wi ll be d on e th rou gh pr iv at e ne g ot iat io n. H en c e, in te r v en ti on of G ov t. i s no t r eq ui re d. All th e re le va



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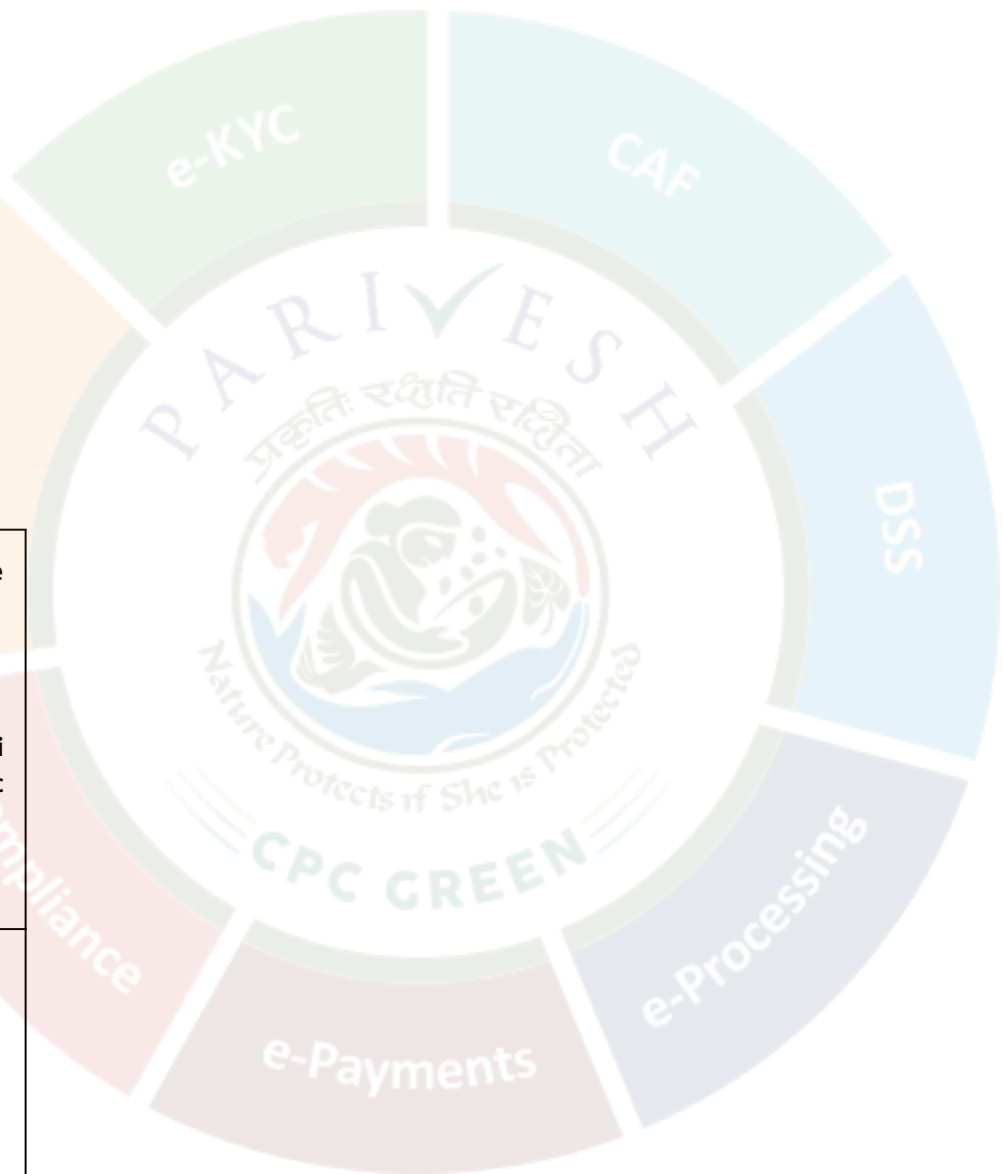


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	Bein g a gree nfiel d pl ant, PP may be a ske d to sub mit deta ils o f ES A wi thin the stud y ar ea.	Th e de tai ls of En vir on men tal Se ns iti ve Ar ea s (E S A) fal lin g wi th in th e stud y ar ea al on g wi th mi ti ga ti on m ea su re s ha



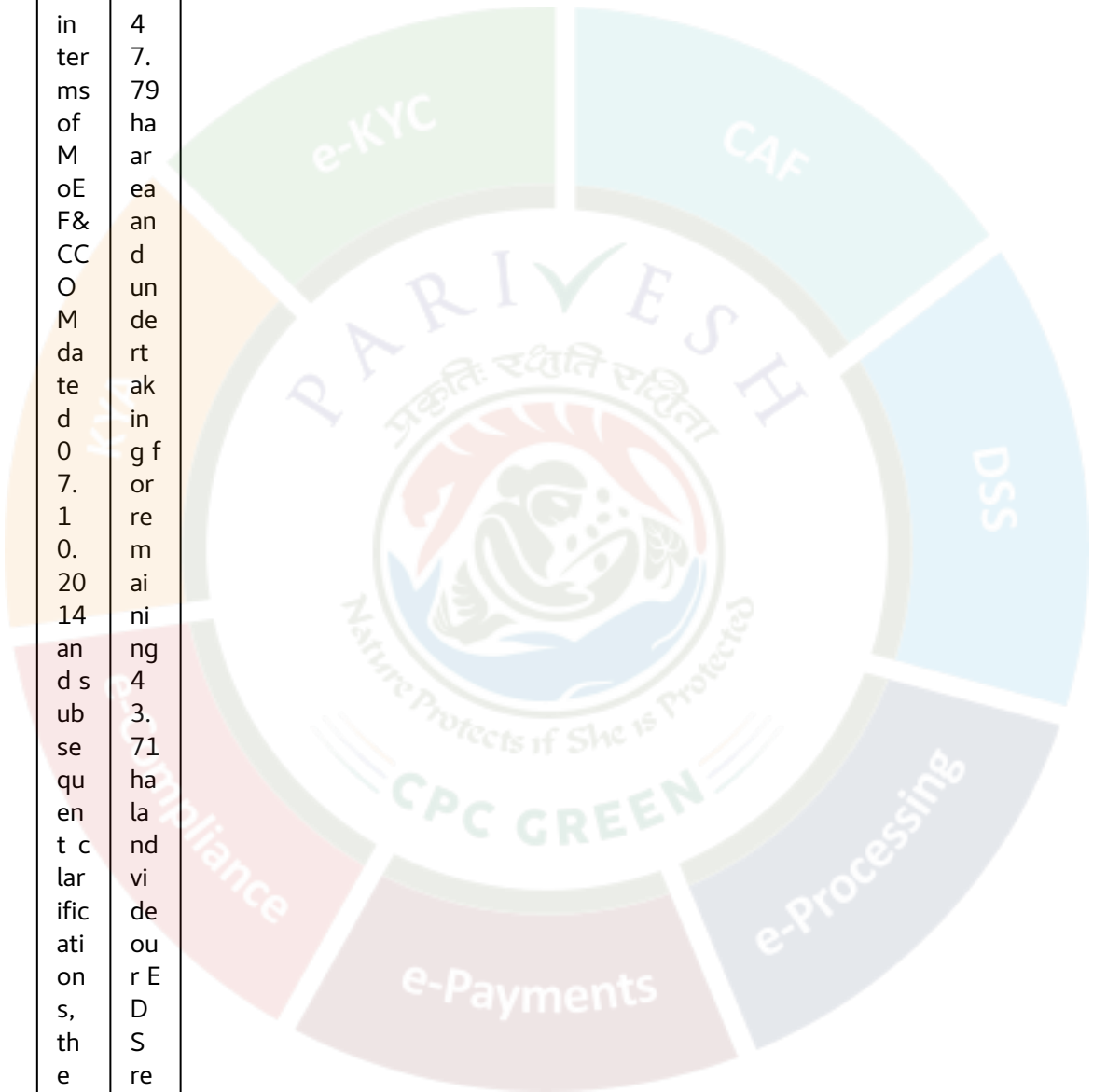
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		ve been submitted along with the EDS reply.

S. No.	EDS Point	Reply / Clarification
i.	With respect to the remaining 43.71 ha	We wish to submit that we had already

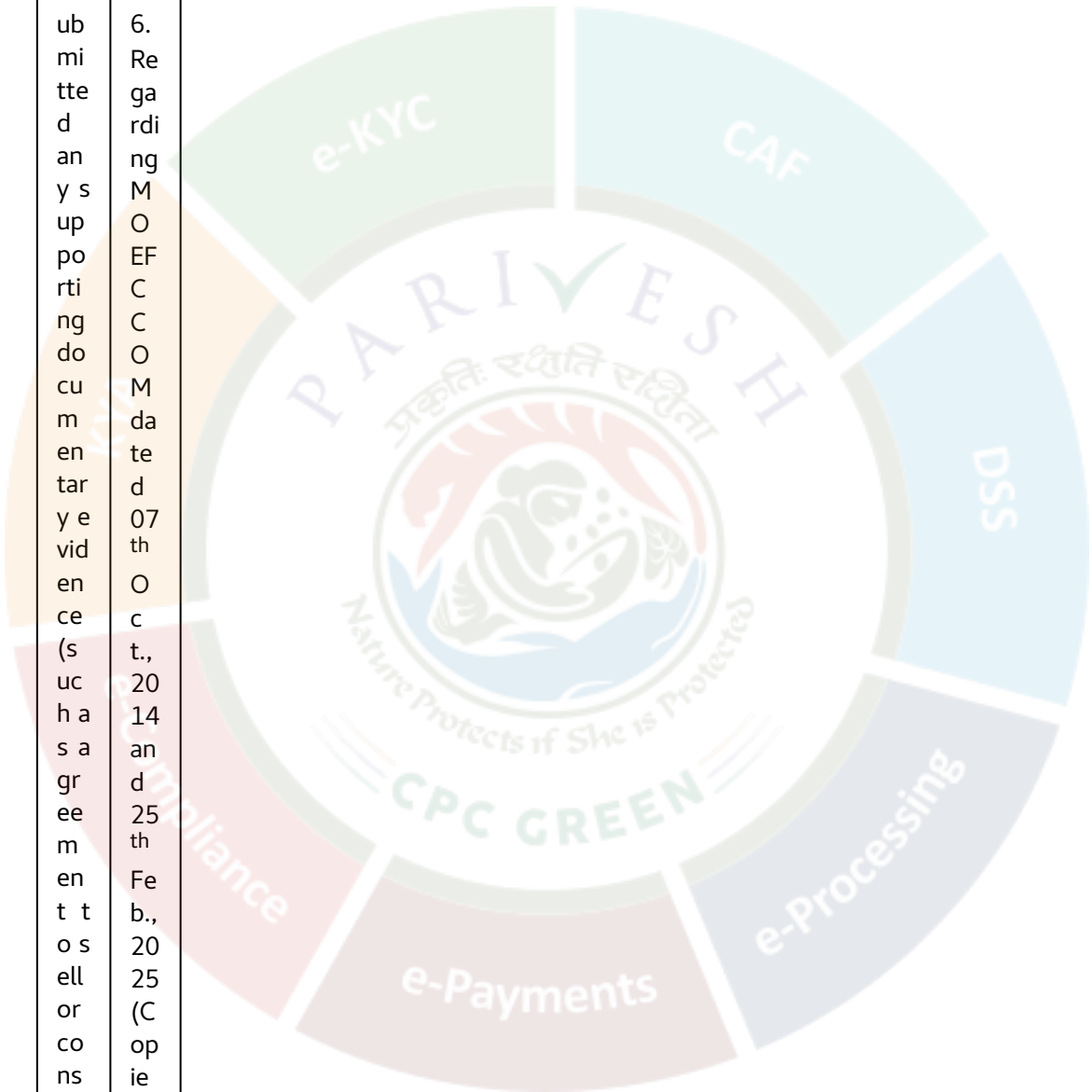


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	of land, it is noted that at while the submission of final registered land documents may be considered at the EC stage	dy submitted the land details of 9.1.5 ha are required for proposed project, Agreement to Sale for

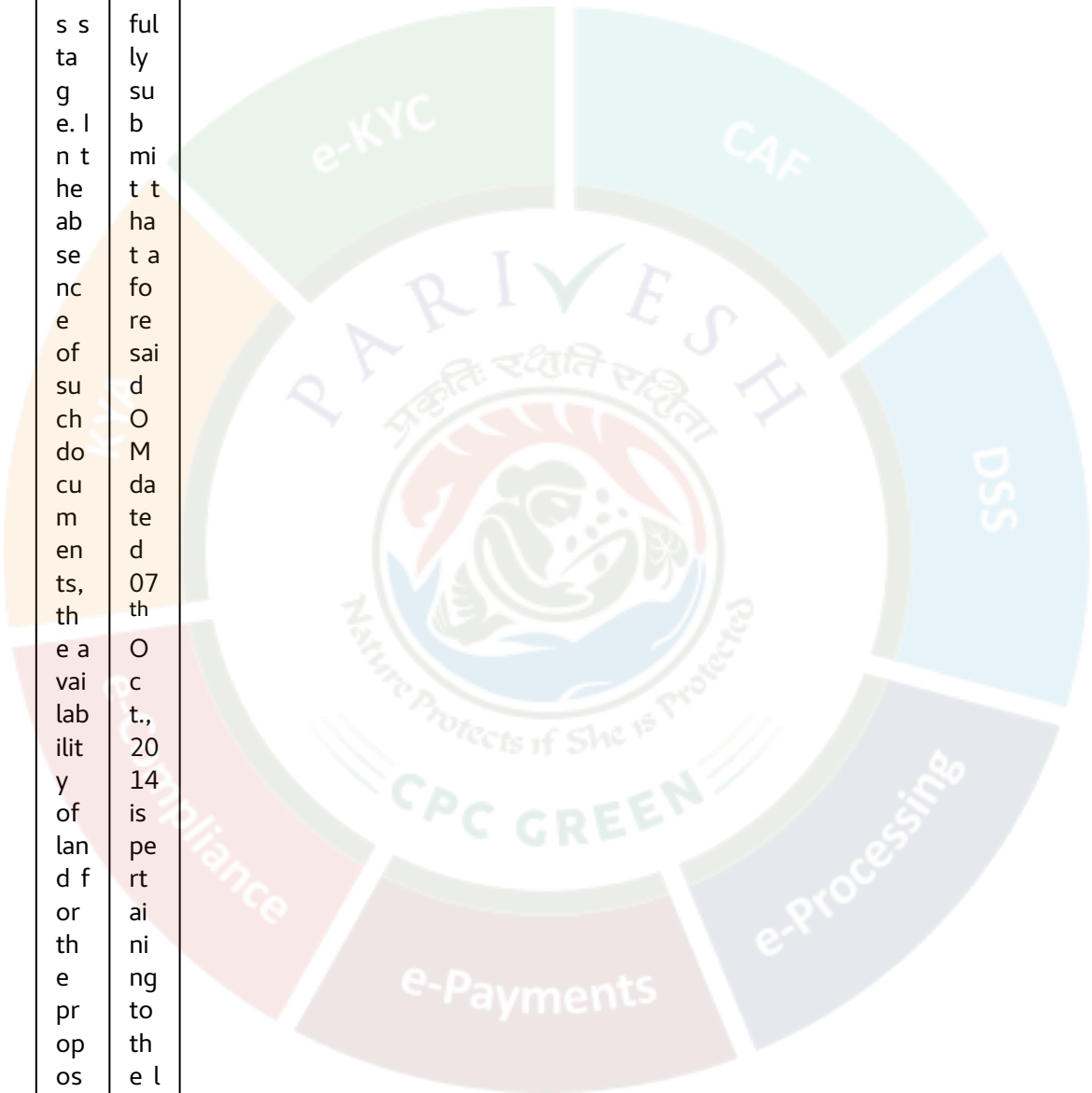
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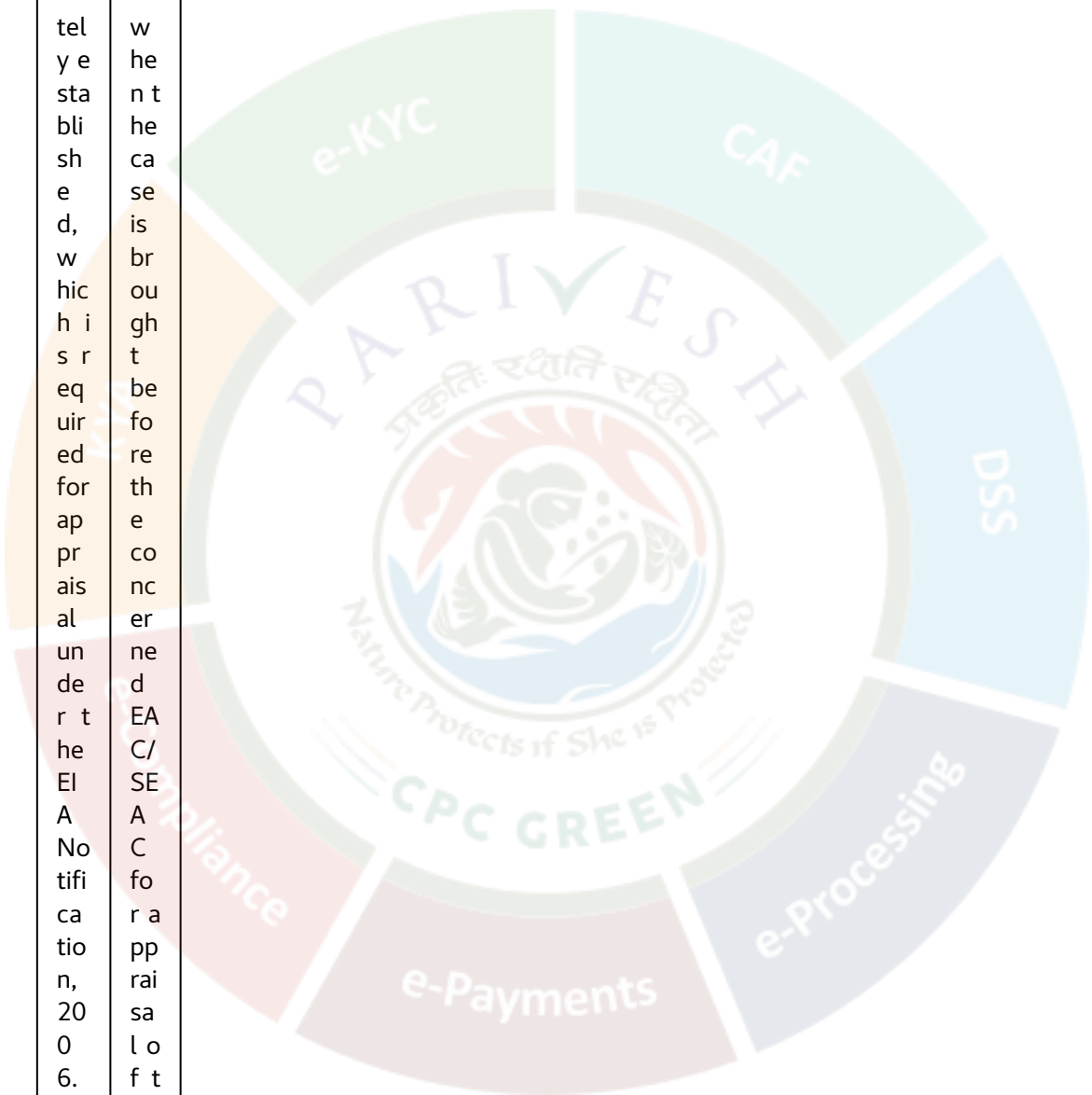
S. No.	ED S Point	Repl y / Cl arification
	ub mi tte d an y s up po rti ng do cu m en tar y e vid en ce (s uc h a s a gr ee m en t t o s ell or co ns en t f ro m lan do w ne rs) at thi	6. Re ga rdi ng M O E F C C O M da te d 07 th O c t., 20 14 an d 25 th Fe b., 20 25 (C op ie s en cl os e d), w e r e s pe ct



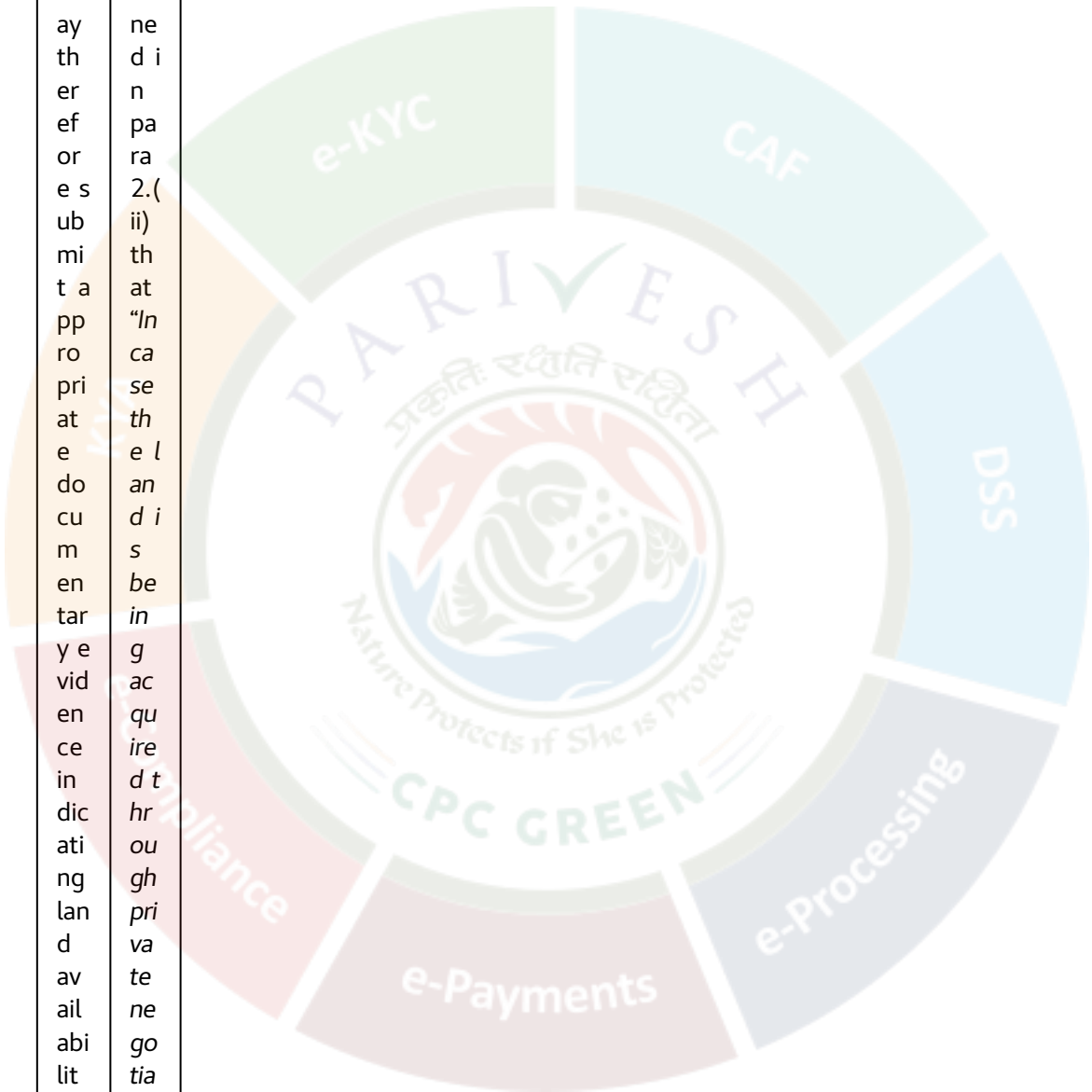
S. No.	ED S Point	Repl y / Cl arification
	s s ta g e. I n t he ab se nce of su ch do cu m en ts, th e a vai lab ilit y of lan d f or th e pr op os ed pr oje ct ca nn ot be ad eq ua	ful ly su b mi t t ha t a fo re sai d O M da te d 07 th O c t., 20 14 is pe rt ai ni ng to th e l an d do cu m en ts re qu ire d



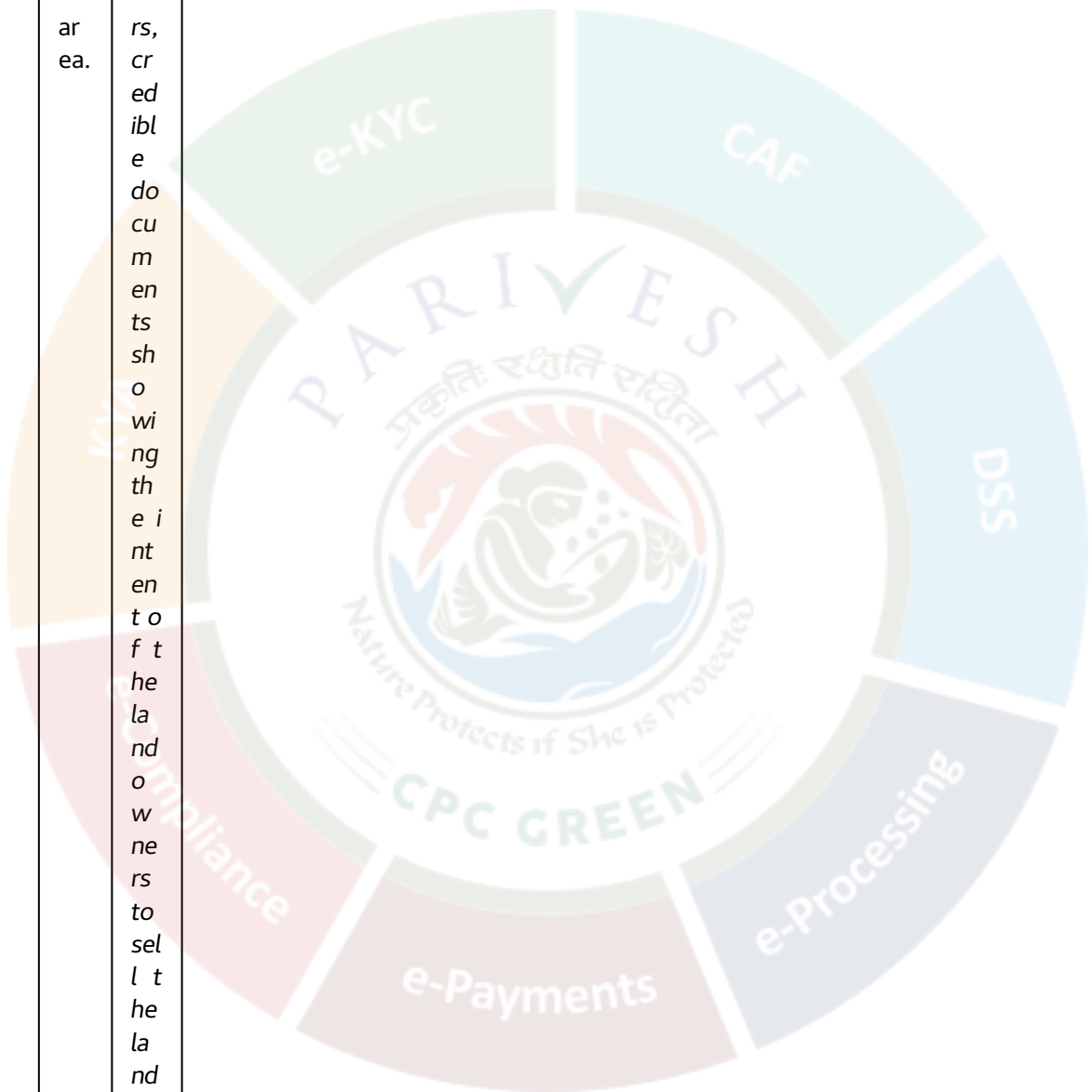
S. No.	ED S Po int	Re pl y / Cl ari fic at io n
	tel y e sta bli sh e d, w hic h i s r eq uir ed for ap pr ais al un de r t he El A No tifi ca tio n, 20 0 6. Th e Pr oje ct Pr op on en t m	w he n t he ca se is br ou gh t be fo re th e co nc er ne d EA C/ SE A C fo r a pp rai sa l o f t he ca se fo r E C. It i s m en tio



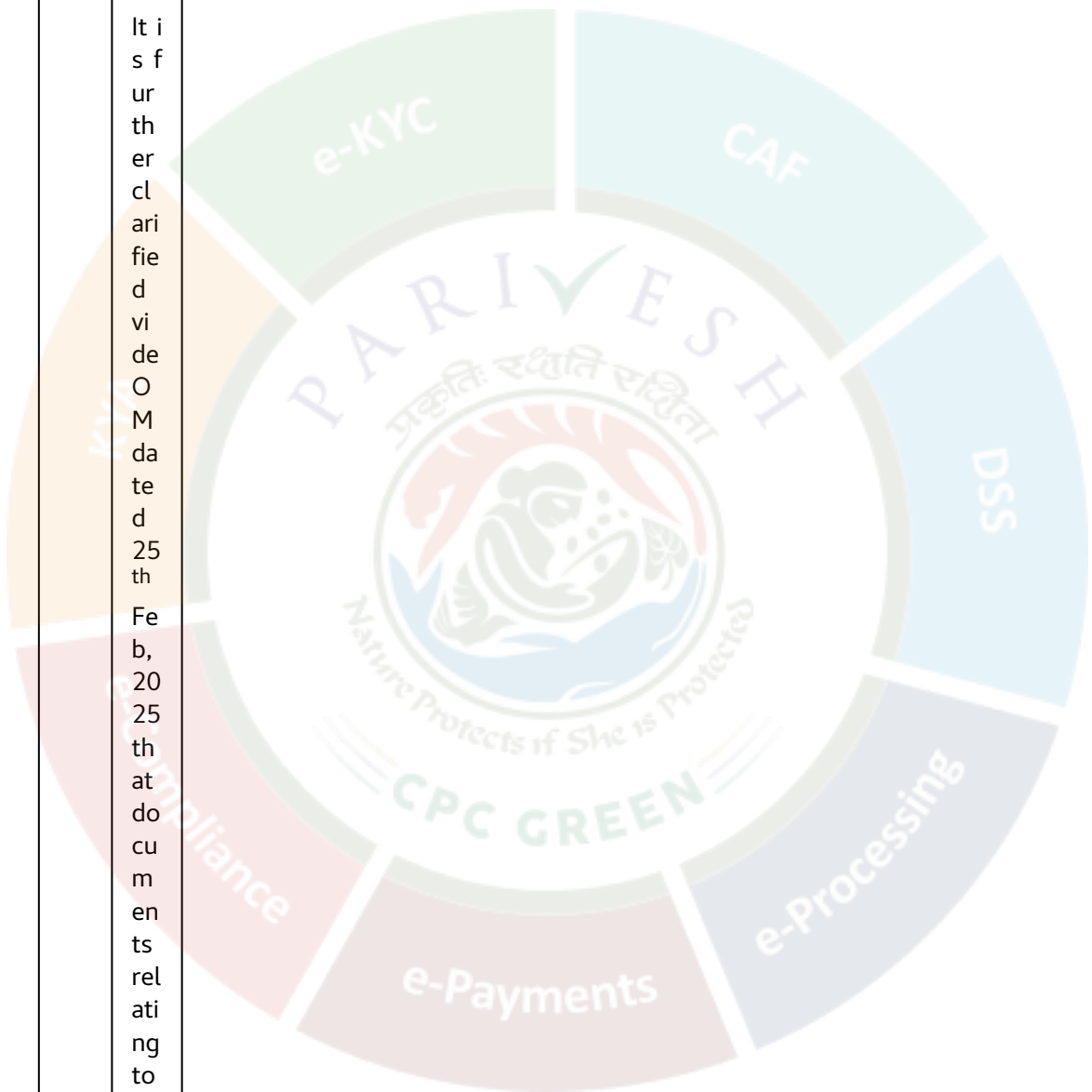
S. No.	ED S Point	Repl y / Cl arification
	ay th er ef or e s ub mi t a pp ro pri at e do cu m en tar y e vid en ce in dic at ing lan d av ail abi lit y/ co m mi tm en t f or th e s aid	ne d i n pa ra 2.(ii) th at "In ca se th e l an d i s be in g ac qu ire d t hr ou gh pri va te ne go tia tio ns wi th th e l an d o w ne



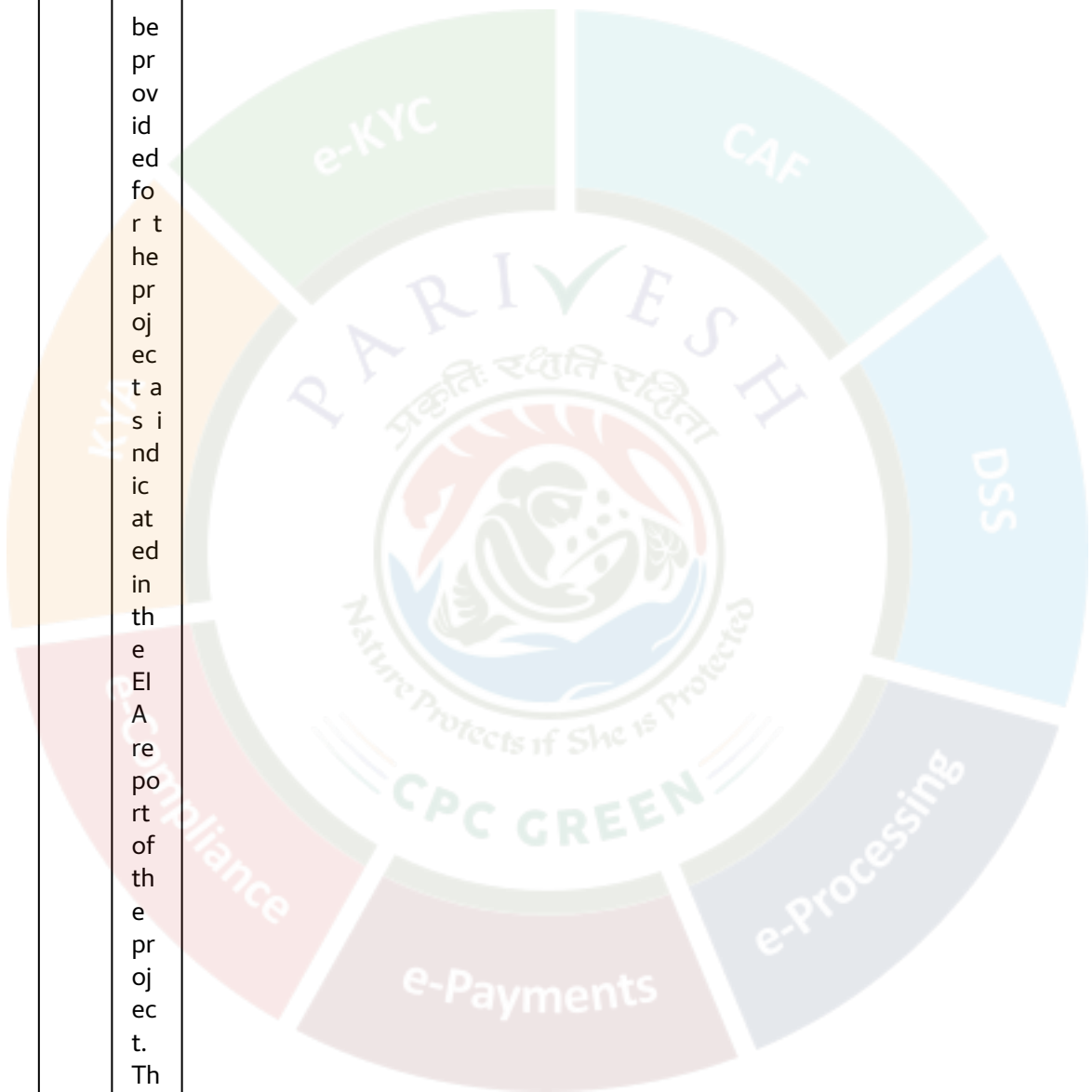
S. No.	ED S Point	Repl y / Cl arification
	area.	rs, credible documents showing the intent of the land owners to sell the land for the proposed project.”



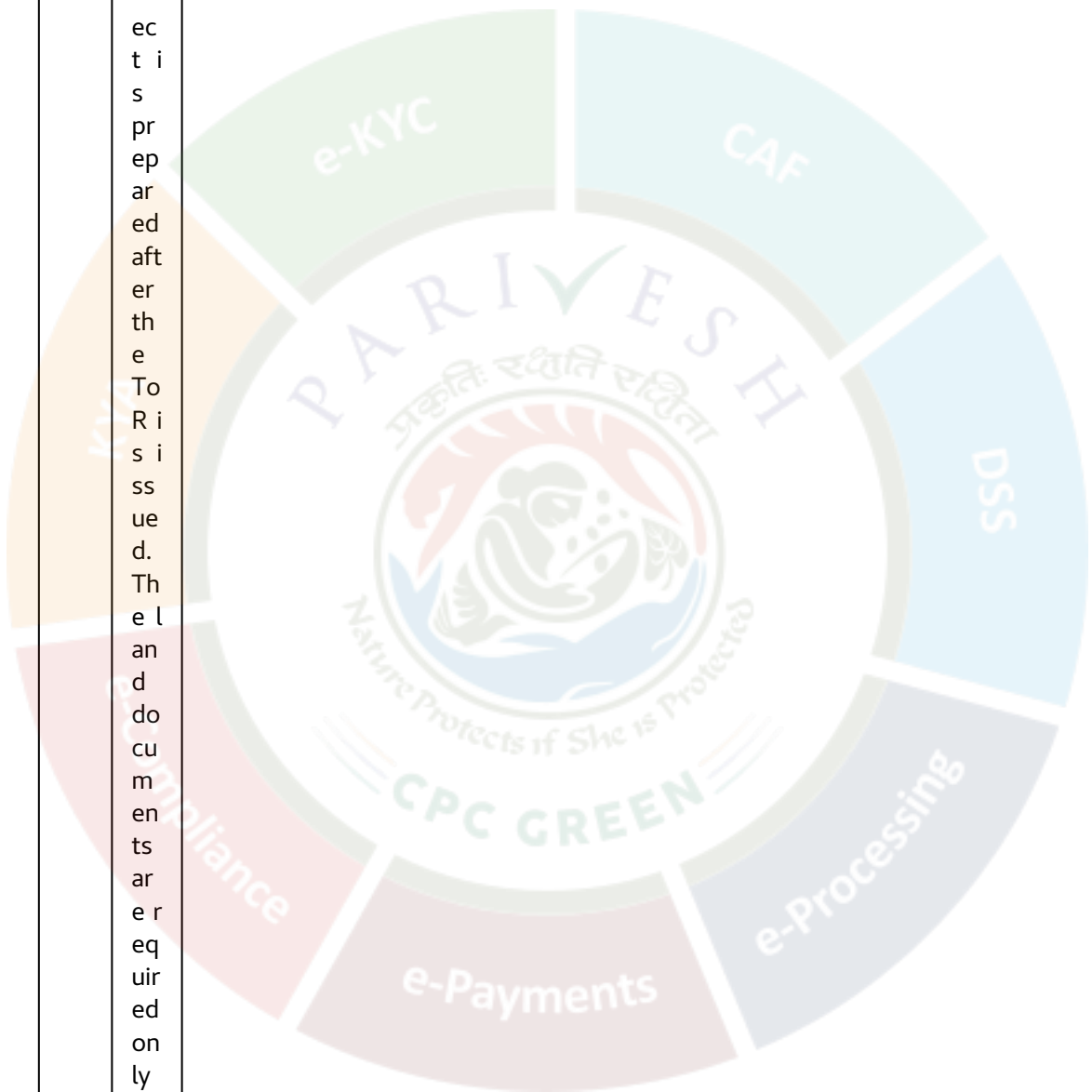
S. No.	ED S Point	Repl y / Cl arification
		It is further clarified vide OM dated 25th Feb, 2025 that documents relating to acquisition of land should



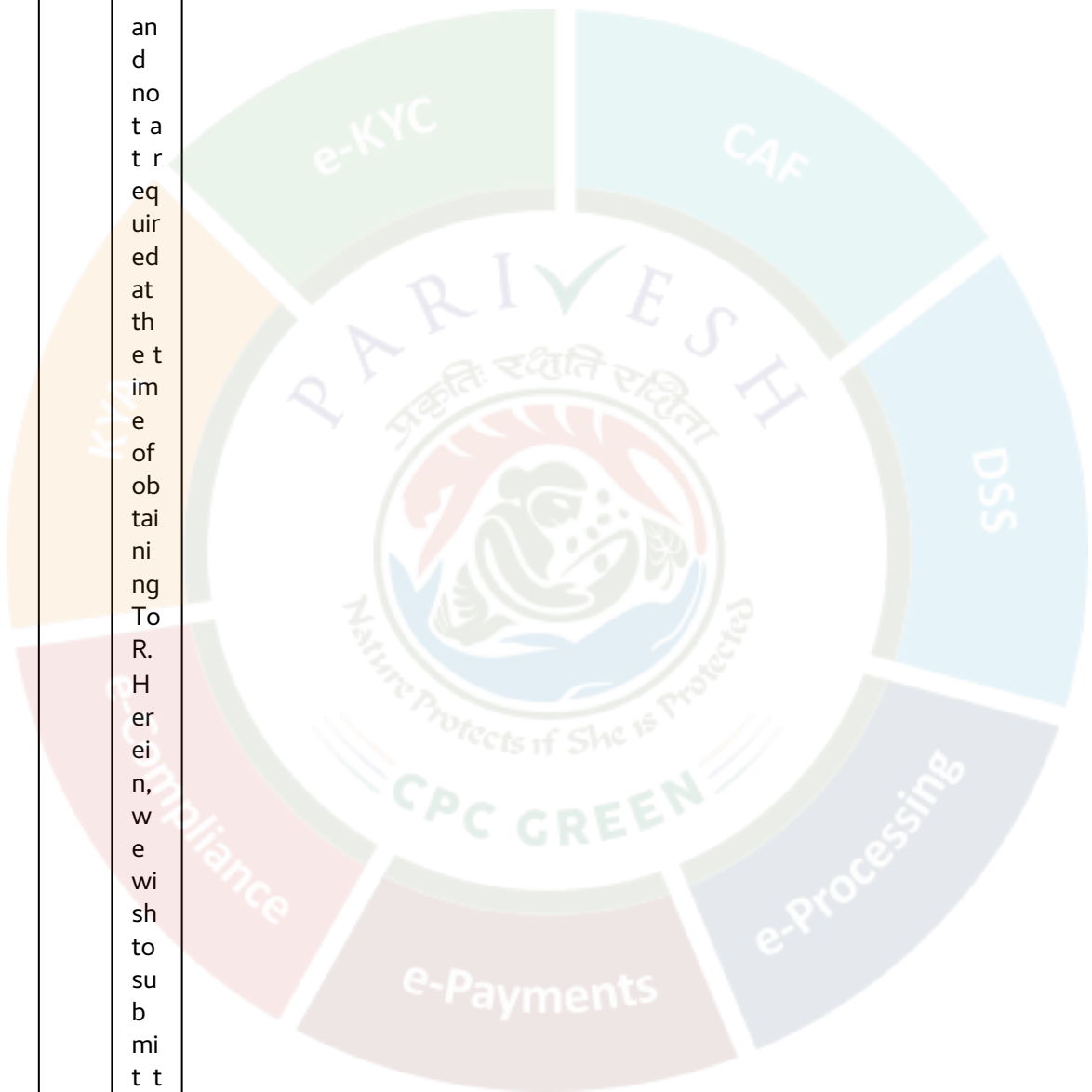
S. No.	ED S Point	Repl y / Cl arification
		be provided for the project as indicated in the EI A report of the project. The EI A report of the project



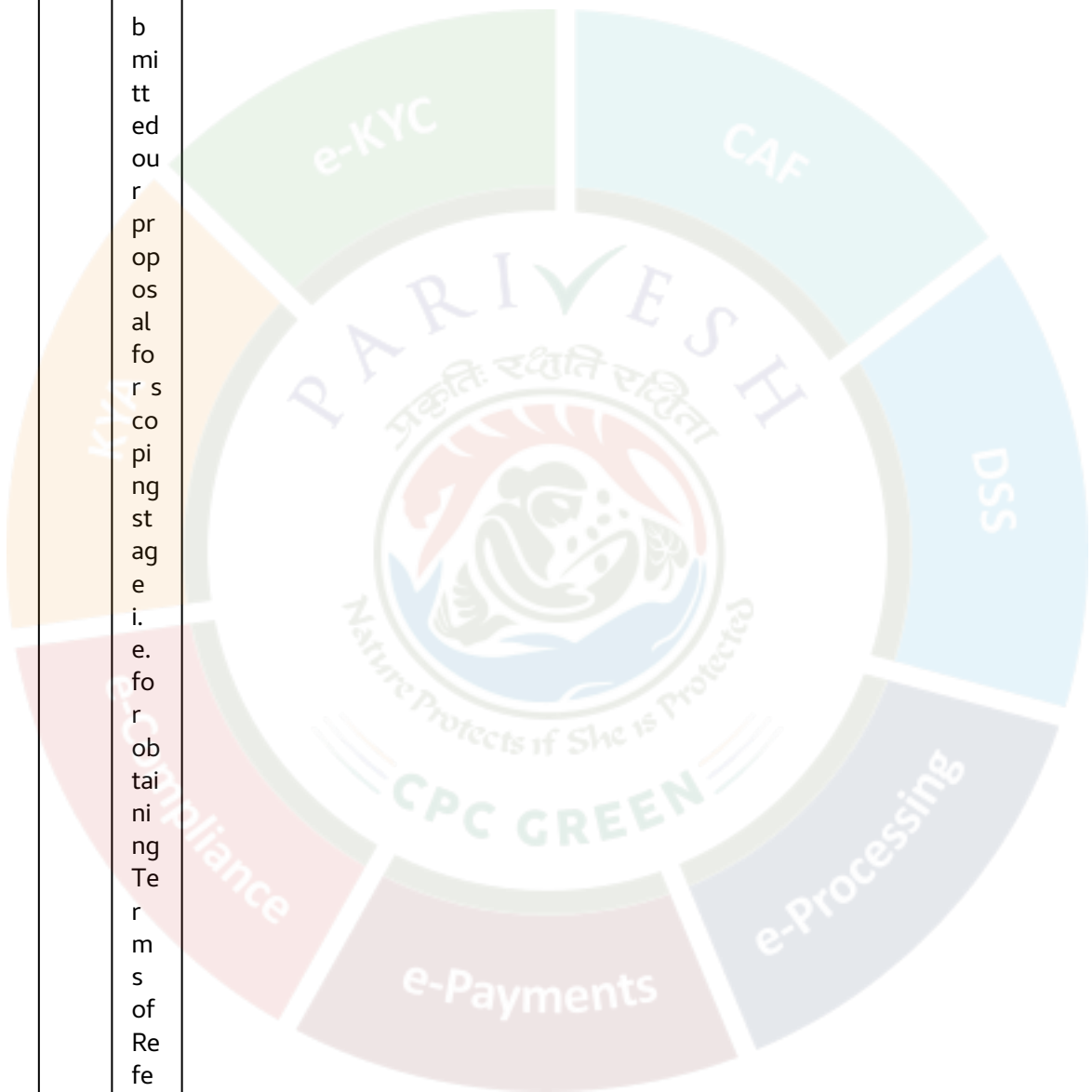
S. No.	ED S Point	Repl y / Cl arification
		ect i s pr ep ar ed aft er th e To Ri s i ss ue d. Th e l and do cu men ts ar e r eq uir ed on ly at th e t im e of EC ap pr ais al



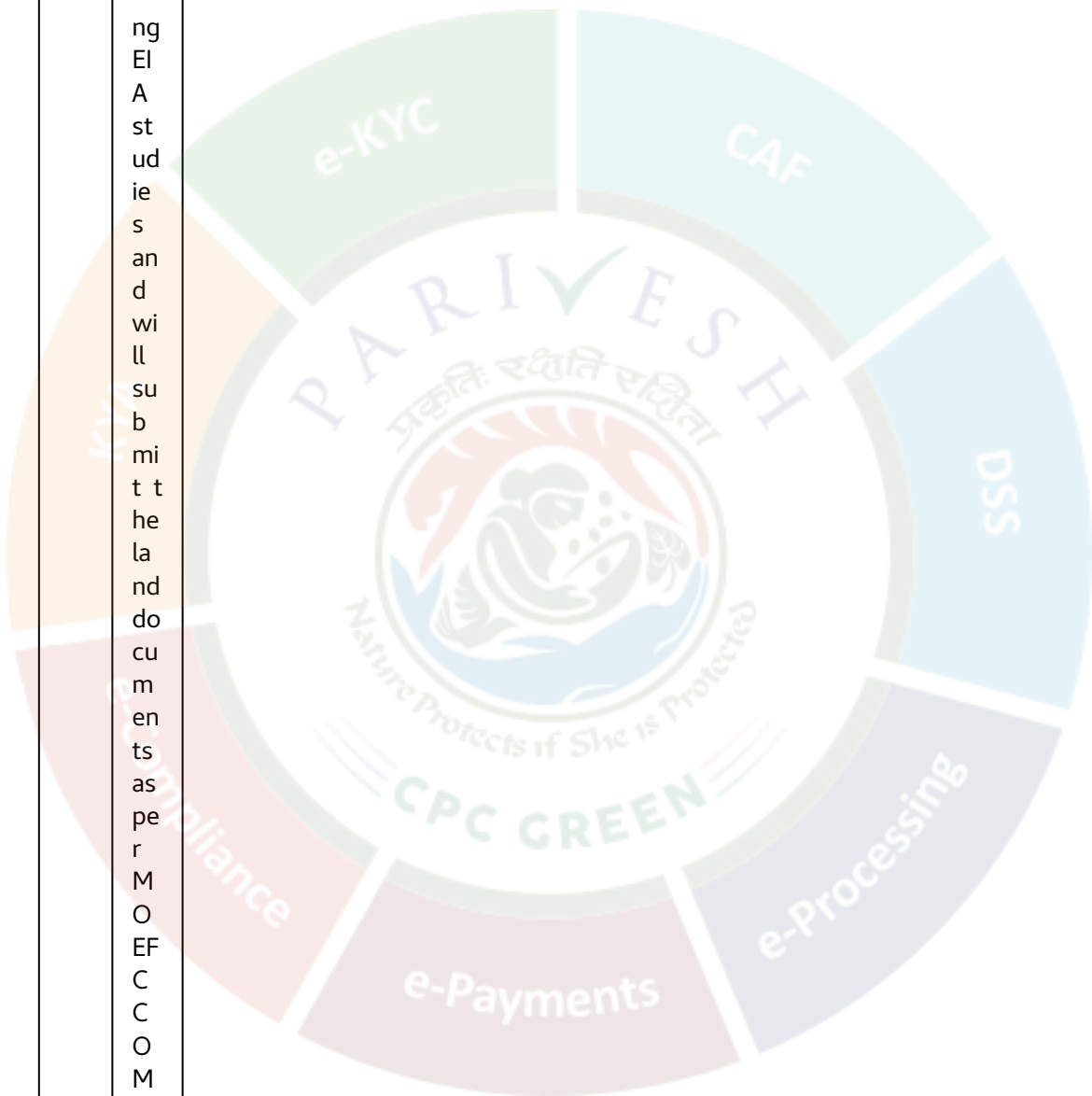
S. No.	ED S Point	Repl y / Cl arification
		and not a t r equir ed at th e t im e of ob tai ni ng To R. H er ei n, w e wi sh to su b mi t t ha t c ur re ntl y w e ha ve su



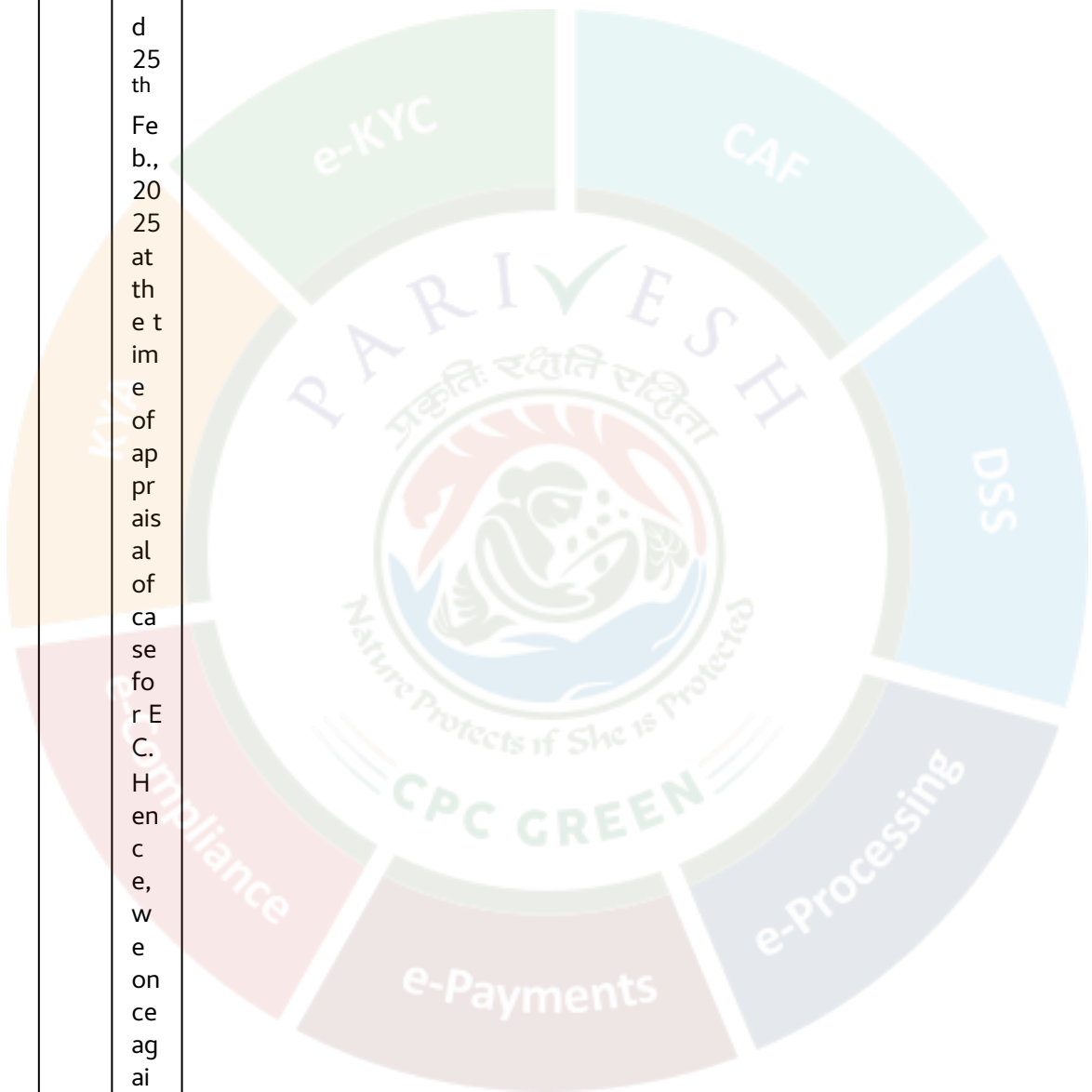
S. No.	ED S Point	Repl y / Cl arif ic at io n
		b mi tt ed ou r pr op os al fo r s co pi ng st ag e i. e. fo r ob tai ni ng Te r m s of Re fe re nc es (T o R) fo r c on du cti



S. No.	ED S Po int	Re pl y / Cl ari fic at io n
		ng El A st ud ie s an d wi ll su b mi t t he la nd do cu m en ts as pe r M O E F C C O M da te d 07 th O c t., 20 14 an

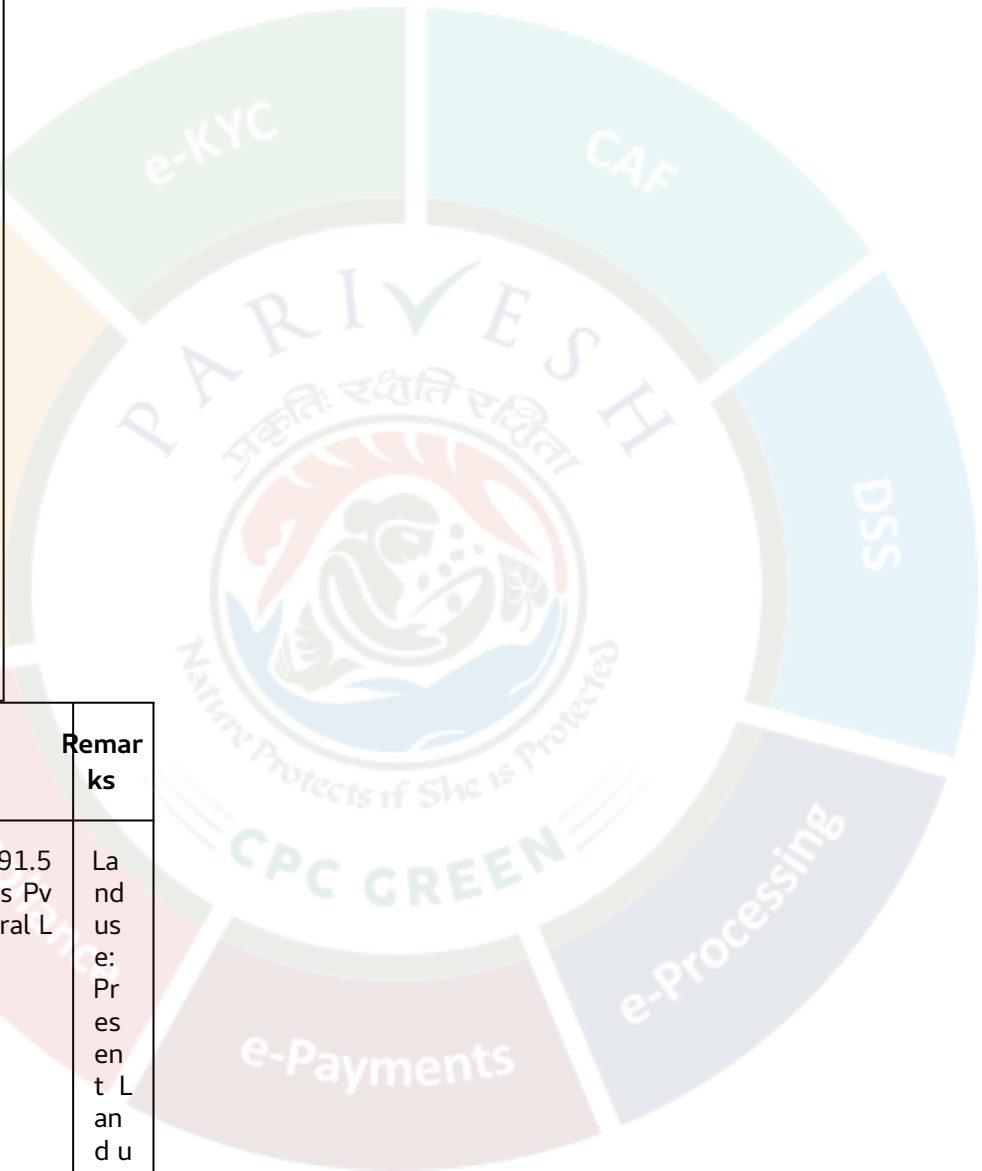


S. No.	ED S Point	Repl y / Cl arification
		d 25th Feb., 2025 at the time of appraisal of case for E.C. Hence, we once again request your good office t



S. No.	ED S Po int	Re pl y / Cl ari fic at io n
		o ki nd ly co ns id er ou r c as e f or gr an t of To R.

SPartic Noulars		Details	Remar ks
i.	To tal lan d	Total land 91.5 ha; which is Pvt. Agricultural Land	La nd us e: Pr es en t L an d u se of th e p ro j e c t sit e i s P vt. Ag ric

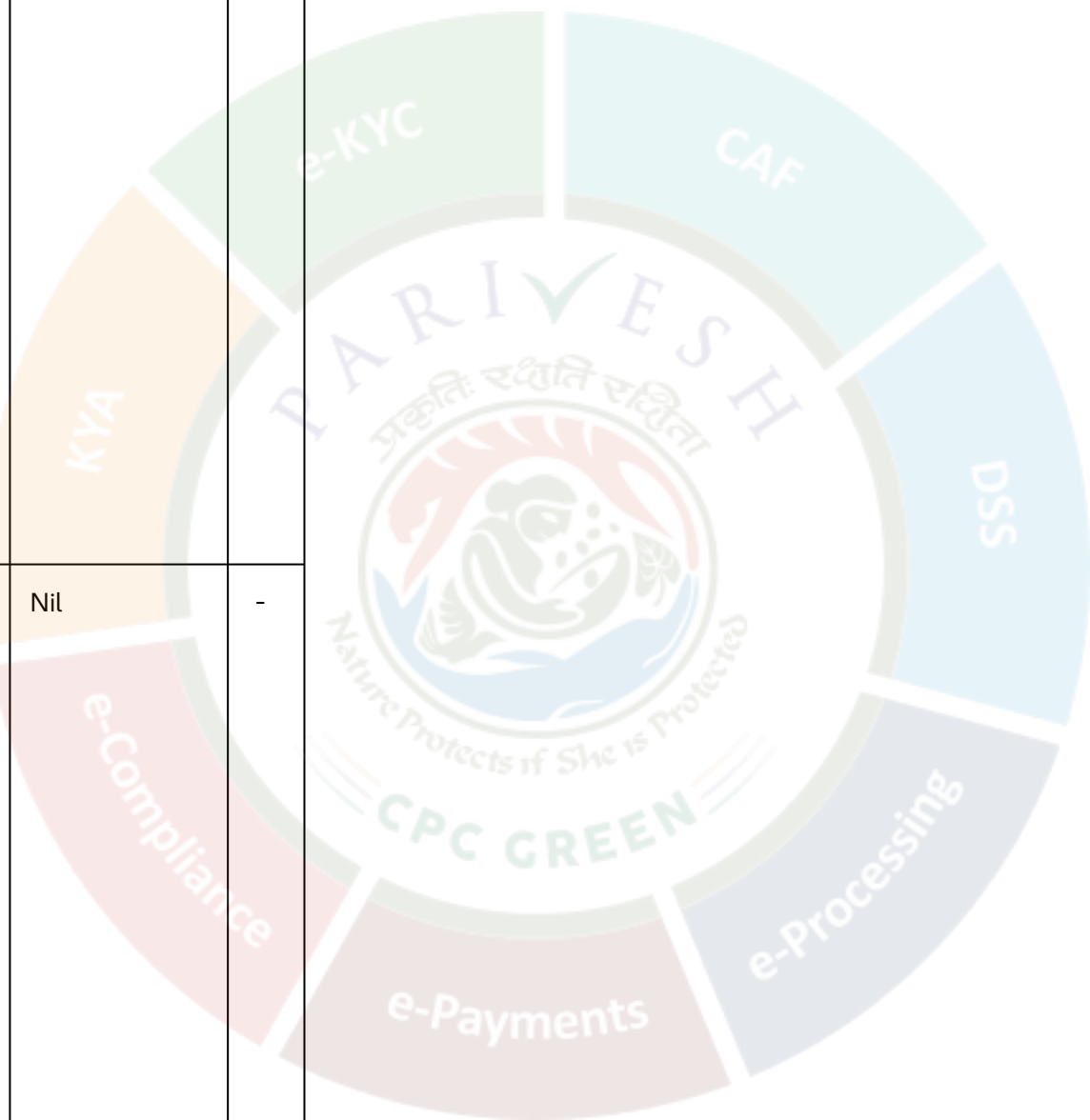


Sl. No.	Particulars	Details	Remarks
			ult ur al La nd
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Out of total 91.5 ha land, Star Cement North East Limited (SCNEL) has executed an Agreement to Sale (ATS) with Jaitaran Renewable Power Limited (JRPL) for 47.79 ha area. Also, JRPL has executed an Agreement to Sale (ATS) with individual landowners for the same area. The process for execution of sale deed and transfer of possession for the said land is under progress. For the remaining 43.71 ha land, company is in process to acquire the land through JRPL on the basis of mutual agreement of JRPL with individual landowners. The company will acquire the land / will do agreement for the land before applying for Environmental Clearance to MoEF&CC, New Delhi.	-

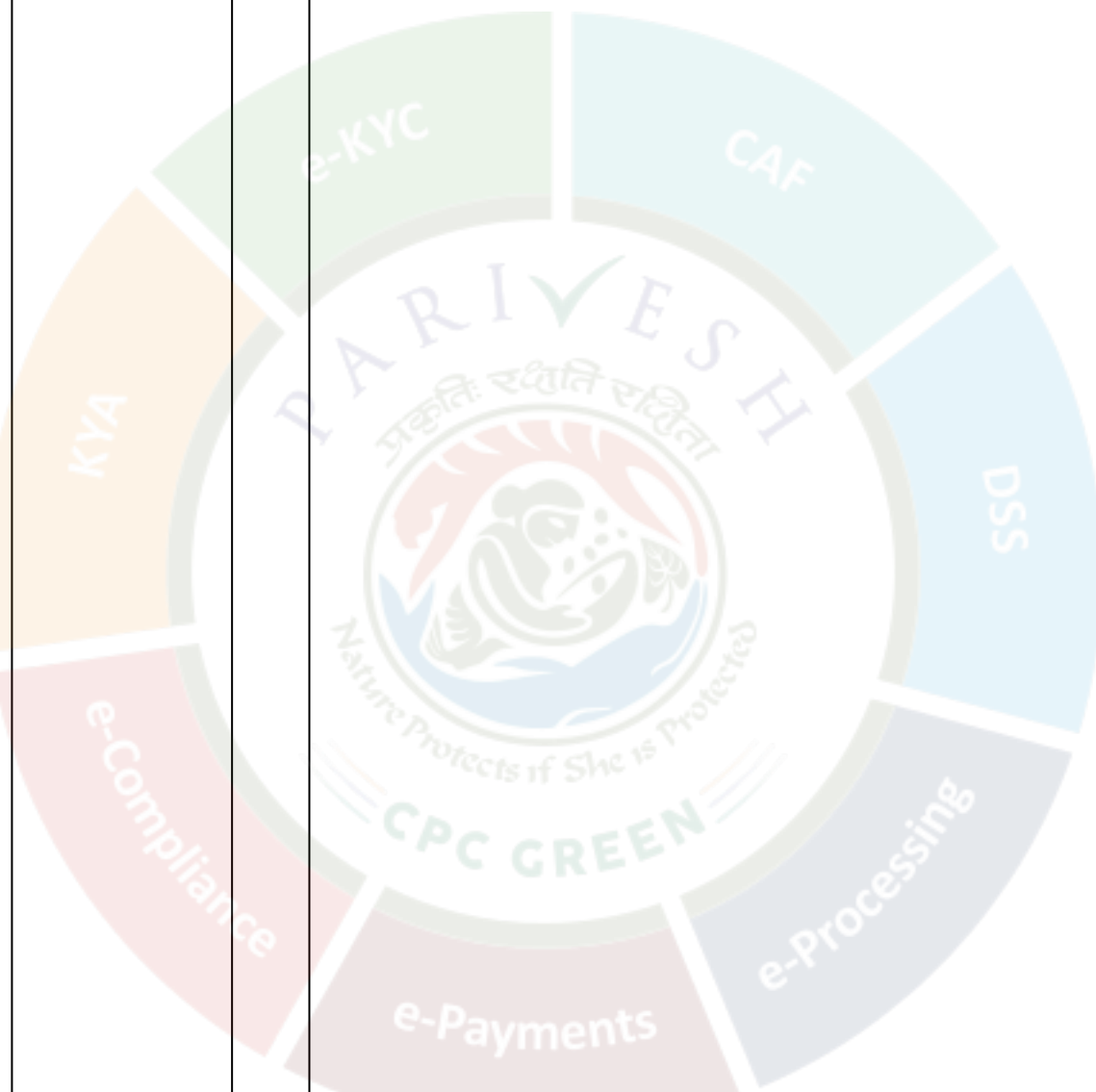
SPartic Noulars		Details	Remar ks																					
		n compliance with the MoEF CC OM dated 07 th Oct., 2014 and 25 th Fe b., 2025. JRPL is now 100 % s ubsidiary of SC NEL.																						
iii.	Exi ste nc e o f h abi tat ion & i nv olv em en t o f R& R, i f a ny.	Project Area: No habitation exists within th e proposed pr oject site. Study Area: <table><thead><tr><th>Habitation</th><th>Distance (km)</th><th>Direction</th></tr></thead><tbody><tr><td>Scattered houses around the projec t site</td><td>310 m (isolated ho use / structure: 90 - 250 m)</td><td>-</td></tr><tr><td>Ramawas</td><td>1.2 Km</td><td>East</td></tr><tr><td>Raniwal</td><td>1.7 Km</td><td>SSW</td></tr><tr><td>Lototi</td><td>2.0 Km</td><td>NW</td></tr><tr><td>Bikarlai</td><td>2.0 Km</td><td>NNE</td></tr></tbody></table> *Note: There a re approx. 35 vi llages in 10 km radius study are a	Habitation	Distance (km)	Direction	Scattered houses around the projec t site	310 m (isolated ho use / structure: 90 - 250 m)	-	Ramawas	1.2 Km	East	Raniwal	1.7 Km	SSW	Lototi	2.0 Km	NW	Bikarlai	2.0 Km	NNE	R& R i s n ot ap pli ca ble. La nd wil l b e p ur ch as ed by SC NE L t hr ou gh pri vat e n eg oti ati on.			
Habitation	Distance (km)	Direction																						
Scattered houses around the projec t site	310 m (isolated ho use / structure: 90 - 250 m)	-																						
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Lototi	2.0 Km	NW																						
Bikarlai	2.0 Km	NNE																						
iv.	Lat itu de and L on git ude o	<table><thead><tr><th>S.No.</th><th>Latitude</th><th>Longitude</th></tr></thead><tbody><tr><td>1.</td><td>26°15'59.66"N</td><td>73°51'35.27"E</td></tr><tr><td>2.</td><td>26°15'56.98"N</td><td>73°51'42.37"E</td></tr><tr><td>3.</td><td>26°15'37.23"N</td><td>73°51'46.44"E</td></tr><tr><td>4.</td><td>26°15'36.33"N</td><td>73°51'52.43"E</td></tr><tr><td>5.</td><td>26°15'26.81"N</td><td>73°51'53.30"E</td></tr><tr><td>6.</td><td>26°15'11.33"N</td><td>73°51'51.90"E</td></tr></tbody></table>	S.No.	Latitude	Longitude	1.	26°15'59.66"N	73°51'35.27"E	2.	26°15'56.98"N	73°51'42.37"E	3.	26°15'37.23"N	73°51'46.44"E	4.	26°15'36.33"N	73°51'52.43"E	5.	26°15'26.81"N	73°51'53.30"E	6.	26°15'11.33"N	73°51'51.90"E	
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SPartic Noulars	Details	Remar ks															
f al l c or ne rs of th e p roj ect sit e	<table> <tr> <td>7.</td><td>26°15'6.73"N</td><td>73°51'26.66"E</td></tr> <tr> <td>8.</td><td>26°15'6.75"N</td><td>73°51'24.81"E</td></tr> <tr> <td>9.</td><td>26°15'9.42"N</td><td>73°51'18.31"E</td></tr> <tr> <td>10.</td><td>26°15'26.78"N</td><td>73°51'16.78"E</td></tr> </table>	7.	26°15'6.73"N	73°51'26.66"E	8.	26°15'6.75"N	73°51'24.81"E	9.	26°15'9.42"N	73°51'18.31"E	10.	26°15'26.78"N	73°51'16.78"E				
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10.	26°15'26.78"N	73°51'16.78"E															
v. Ele vat ion of th e p roj ect sit e	304 msl 314 m sl	-															
vi. Inv olv em en t o f F or est lan d i f a ny.	No Forest Land is involved in the project site.	-															
vii. W ate r b od y (Riv er s, La ke s, Po nd, Na la, Na tur al	Project site: There is no water body present within the project site Study area: The following water bodies fall within 10 km radius: <table> <tr> <th>Water body</th><th>Distance (km)</th><th>Direction</th></tr> <tr> <td>Lilri River</td><td>1.5 Km</td><td>North</td></tr> <tr> <td>Luni River</td><td>3.0 Km</td><td>NNW</td></tr> <tr> <td>Hathi Bala Nala</td><td>6.5 Km</td><td>WNW</td></tr> <tr> <td>Raipur Luni River</td><td>9.7 Km</td><td>SSW</td></tr> </table>	Water body	Distance (km)	Direction	Lilri River	1.5 Km	North	Luni River	3.0 Km	NNW	Hathi Bala Nala	6.5 Km	WNW	Raipur Luni River	9.7 Km	SSW	-
Water body	Distance (km)	Direction															
Lilri River	1.5 Km	North															
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SPartic Noulars	Details	Remar ks
Dr ain ag e, Ca nal et c.) exi sts wit hin th e p roj ect sit e a s we ll a s s tu dy are a		
viii. Ex is te nc e of E S Z/ E S A/ na ti o na l p ar k/ wi ld lif e sa nc tu ar y/	Nil	-



S. Particulars	Details	Remarks
bi os p h er e re se rv e/ ti g er re se rv e/ el e p ha nt re se rv e et c. if an y wi th in th e st ud y ar e a.		



S. N o.	Name of fa cility	Configuration		Capacity
		Phase - I	Phase - II	
1.	Clinker	Kiln - 1 x 12000 TPD (4.0 Million TPA)	Kiln - 1 x 12000 TPD (4.0 Million TPA)	8.0 Million TPA (2 x 4.0 Million TPA)
2.	Cement	Mill: 1 x 450 TPH (3.0 Million TPA)	Mill: 1 x 450 TPH (3.0 Million TPA)	6.0 Million TPA (2 x 3.0 Million TPA)

S. N o.	Name of fa cility	Configuration		Capacity
		Phase - I	Phase - II	
3.	CPP	1 x 20 MW	-	20 MW
4.	WHRS	1 x 25 MW	1 x 25 MW	2 x 50 MW
5.	D.G. Sets	2000 (2000 kVA or 1 x 10 00 kVA and 2 x 500 kVA o r 1 x 1000 kVA and 1 x 50 0 kVA and 2 x 250 kVA)	2000 (2000 kVA or 1 x 1000 kVA and 2 x 500 k VA or 1 x 1000 kVA and 1 x 500 kVA and 2 x 25 0 kVA)	4000 kVA (2 x 2000 kVA or 2 x 1000 kVA and 4 x 500 kVA or 2 x 1000 kVA and 2 x 500 kVA & 4 x 250 kVA)

S. N o.	Name of Ra w m at eri al	Quantity (Million TP A)			S o u r c e	M o d e o f T r a n s p o r t a t i o n & D i s t a n c e
		P h a s e I	P h a s e II	T o t a l		
1.	Li m e s t o n e	6. 0	6. 0	1 2	O w n M i n e s a n d o p e n m a r	~ 1 2 - 5 0 k m b y R o a d

S. N o.	N a m e of R a w m a t e r i a l	Q u a n t i t y (M i l l i o n T P A)			S o u r c e	M o d e o f T r a n s p o r t a t i o n & D i s t a n c e
		P h a s e I	P h a s e II	T o t a l		
					k e t	
2.	Ka o l i n / C l a y / S h a l e / S i l i c a S a n d	0. 6	0. 6	1. 2	J a i t a r a n , & n e a r b y a r e a s	~ 5 - 1 0 0 k m R o a d
3.	R e d o c h r e / r e d m u d /	0. 1 8	0. 1 8	0. 3 6	C h i t t o r g a r h & n	~ 2 2 0 - 2 5 0 k m

S. N o.	N a m e of R a w m a t e r i a l	Q u a n t i t y (M i l l i o n T P A)			S o u r c e	M o d e o f T r a n s p o r t a t i o n & D i s t a n c e
		P h a s e I	P h a s e II	T o t a l		
	lat erite				ear b y ar ea s	R o a d
4.	Gy p s u m (N a t u r a l Gy p s u m/ C h e m i c a l Gy p s u m/	0. 1 5	0. 1 5	0. 3	N a g a u r & B a r m e r d i s t r i c t s i n R a j a	~ 1 0 0 - 5 0 0 k m R o a d

S. N o.	N a m e of R a w m a t e r i a l	Q u a n t i t y (M i l l i o n T P A)			S o u r c e	M o d e o f T r a n s p o r t a t i o n & D i s t a n c e
		P h a s e I	P h a s e II	T o t a l		
	Sy n t h e t i c G y p s u m)				st h a n D y e & C h e m i c a l i n d u s t r i e s i n G u j a r a t	
5.	Fl y a s	1. 0 5	1. 0 5	2. 1	B a r m	~ 5 0

S. N o.	N a m e of R a w m a t e r i a l	Q u a n t i t y (M i l l i o n T P A)			S o u r c e	M o d e o f T r a n s p o r t a t i o n & D i s t a n c e
		P h a s e I	P h a s e II	T o t a l		
	h / P o n d a s h				e r T P P, S u r a t g a r h T P P, K o t a T P P, P a n i p a t T P P e t	0 - 1 5 0 0 k m R o a d

S. N o.	N a m e of R a w m a t e r i a l	Q u a n t i t y (M i l l i o n T P A)			S o u r c e	M o d e o f T r a n s p o r t a t i o n & D i s t a n c e
		P h a s e I	P h a s e II	T o t a l		
					c.	
6.	Sl ag	1. 8	1. 8	3. 6	J a i p u r , R a i p u r C h h a t i s g a r h , J h a r k h a n d	~ 1 0 0 0 - 1 5 0 0 0 k m R o a d

S. N o.	N a m e of R a w m a t e r i a l	Quantity (Million TP A)			S o u r c e	M o d e o f T r a n s p o r t a t i o n & D i s t a n c e
		P h a s e I	P h a s e II	T o t a l		
7.	Pe r f o r m a n c e e n h a n c e r (L i m e s t o n e)	0.3	0.3	0.3	O w n M i n e s a n d o p e n m a r k e t	~ 12-50 k m b y R o a d

Fuel requirement

S. N o.	Name	Quantity (Million TPA)			Source	Distance & Mode of Transportation
		Phase - I	Phase - II	Total		
For Cement Plant						
1.	Coal / Lignite (Do	0.4	0.4	0.8	Authorized Local Deale	

S. No.	Name	Quantity (Million TPA)			Source	Distance & Mode of Transportation
		Phase - I	Phase - II	Total		
For Cement Plant						
	mestic / Imported)				rs, Coal India, Chhattisgarh, Maharashtra/ Bha vnagar Port, South Africa/ Indonesia/ US/ Saudi Arabia	
2.	Pet Coke (Domestic / Imported)	0.3	0.3	0.6	IOCL, Reliance and other Petrochemical Refineries in India, South Africa/ Indonesia/ US	~ 630 - 800 By Rail & Road
3.	Alternate Fuel (AFR)	0.4	0.4	0.8	Nearby Industries in Rajasthan / Municipalities/ Industries located in Haryana, Gujarat, Punjab, UP, Delhi NCR etc.	~50 - 300 km by Road
4.	HSD (For D.G. Set)	0.3	0.3	0.6 KL D	Nearby Depot / Pump	~ 50 km by road
For CPP						
1.	Coal (Domestic/ Imported)	0.12	-	0.12	Authorized Local Dealers, Coal India, Chhattisgarh, Maharashtra/ Bha vnagar Port, South Africa/ Indonesia/ US/ Saudi Arabia	~ 1000 - 1200 km By Rail & Road
Attributes		Parameters			Sampling	
					No. of Monitoring / Sampling Locations	Frequency
		Wind Speed, Wind Direction, Humidity, Temperature, Rainfall, Wind speed (Hourly), Dry bulb temperature, Wet bulb temperature, Relative humidity, Solar radiation, Cloud cover, Environmental Lapse Rate			01 (Plant site)	Hourly
		PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO, HC (as per NAAQS Standards)			09	Twice a week

Attributes	Parameters	Sampling	
		No. of Monitoring / Sampling Locations	Frequency
	Leq Day time & Leq Night time	08	Once in a season (Day & Nighttime)
C. Water			
	pH (at 25°C), Colour, Turbidity, Odour, Total Hardness as CaCO ₃ , Calcium as Ca, Alkalinity as CaCO ₃ , Chloride as Cl, Residual free Chlorine, Cyanide as CN, Magnesium as Mg, Total Dissolved Solids, Sulphate as SO ₄ , Fluoride as F, Nitrate as NO ₃ , Iron as Fe, Aluminum as Al, Boron, Phenolic Compounds, Anionic Detergents as MBAS, Hexa Chromium as Cr+6, Zinc as Zn, Copper as Cu, Manganese as Mn, Lead as Pb, Selenium as Se, Arsenic as As, Mercury as Hg, Phosphate as PO ₄ , Total Suspended Solid, Biochemical Oxygen Demand, Chemical Oxygen Demand, Sodium as Na, Potassium as K, Conductivity, Nickel, Dissolve Oxygen, Total Carbon, Free Ammonia, Total Coliforms, Fecal coliforms, Phytoplankton & Zoo plankton.	03	Once in a season
	pH (at 25°C), Colour, Turbidity, Odour, Taste, Total Hardness as CaCO ₃ , Calcium as Ca, Alkalinity as CaCO ₃ , Chloride as Cl, Cyanide as CN, Magnesium as Mg, Total Dissolved Solids, Sulphate as SO ₄ , Fluoride as F, Nitrate as NO ₃ -N, Iron as Fe, Aluminum as Al, Boron, Phenolic Compounds, Anionic Detergents as MBAS, Hexa Chromium as Cr+6, Chromium as Cr, Zinc as Zn, Copper as Cu, Manganese as Mn, Cadmium as Cd, Lead as Pb, Arsenic as As, Mercury as Hg, Sodium as Na, Potassium as K, Phosphate as PO ₄ , Nickel, Conductivity, Total Suspended Solids, Total Carbon, Free Ammonia, Total Coliforms, Faecal coliforms.	08	Once in a season
	pH (at 25°C) (1:2.5 soil water suspension), Electrical Conductivity (1:2 soil water sus.), particle size distribution, Soil Texture, Colour, Water holding capacity, Bulk Density, Soluble Chloride, Exchangeable Calcium, Exchangeable Sodium, Available Potassium, Organic M	08	Once in a season

Attributes		Parameters		Sampling	
				No. of Monitoring / Sampling Locations	Frequency
		pH, Exchangeable Magnesium as Mg, Available Nitrogen as N, Available Phosphorus, Total Zinc as Zn, Total Manganese as Mn, Total Chromium as Cr, Total Lead as Pb, Total Cadmium as Cd, Total Copper as Cu, Organic Carbon, SAR Value, Porosity, Cation Exchange capacity			
		Land use/ Land Cover Map by Satellite Imagery including Location code, Total project area, Topography, Drainage (natural), Cultivated, forest, plantations, water bodies, roads and settlements		10 km radius study area	Once in a Season
E. Biological a. Aquatic b. Terrestrial		Flora and fauna		Study area	Once in a season
		Economic Demography		Study area	Once in a season
S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures	
Schools					
1.	Govt. Senior Secondary school Ramawas Kalan	~ 1.8 km	ESE direction	- o Avenue Plantation will be carried out around the boundary of the schools in the village - o 7.5 meters wide greenbelt will be developed all along the plant boundary. - o The orientation/ configuration of the project is in such a way that the transportation activities (Inward & outward movement of the vehicles) will be away from the nearest habitation, so that impact of transportation on the nearby school will be minimum. - o Low noise compressors and blowers will be installed to minimize the noise level. - o No waste water will be generated from cement manufacturing process. However, waste water generated from cement manufacturing process will be treated in the effluent treatment plant and the treated effluent will be used for irrigation purposes.	
2.	Govt. Senior Secondary School Lototi	~ 2.0 km	NW direction		
3.	Govt. Senior Secondary School Raniwal	~ 2.0 km	SSW direction		
4.	Govt. Upper Primary School Ramawas Khurd	~2.0 km	East direction		

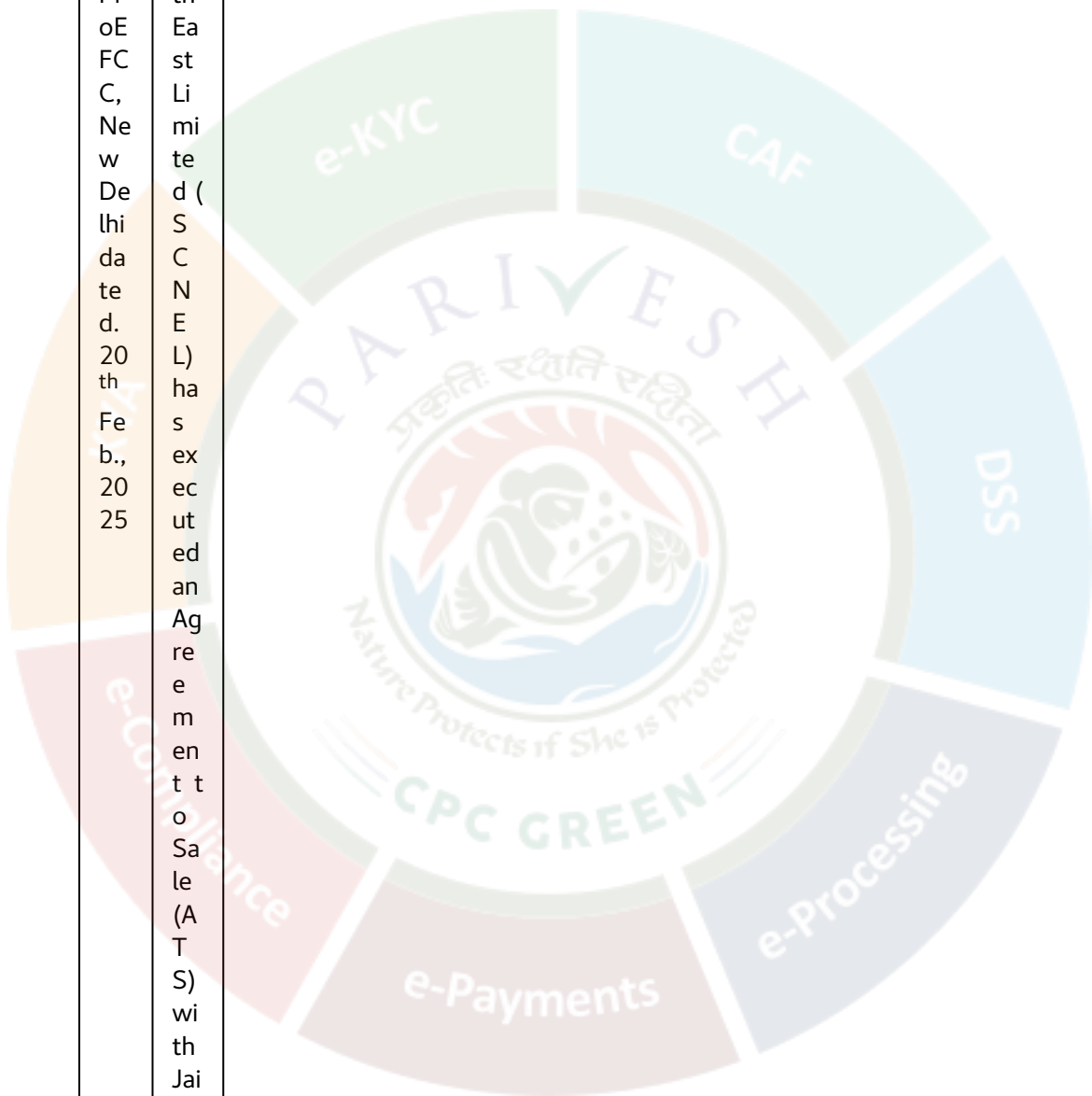
S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
				nerated from CPP and WHRS will be treated in the neutralization pit and the same will be reused in dust suppression and mill spray. Waste water generated from domestic use i.e. office toilets, canteen and residential township will be treated in STP and STP treated water will be reused for greenbelt and plantation purposes. Zero liquid discharge will be maintained from the premises. - o The industry will undertake CER / CSR activities for maintenance, plantation, drinking water, or sanitation for the development of schools. - o Conduct regular health check-up camps for nearby communities, including school children (through CSR). - o PUC certificate of all the vehicles will be ensured, and overloading will not be permitted
Habitation				
1.	Village Ramawas K alan	Habitation from ~1.2 km. However, Scattered Houses located at 310 meters and isolated house / structure located at 90 meters to 250 Meters	East direction	- o Fog canon system will be provided to suppress dust emission in the raw material handling area. - o Transportation of raw material will be done through road via trucks covered by tarpaulin. - o Plantation along village roads and community land shall be undertaken to prevent air and noise pollution. Dust-tolerant, native tree species with thick foliage to act as a pollution barrier. - o High efficiency bag houses will be provided at main process Raw material & Kiln section, Coal mill section and Cement mill section and high efficiency ESP will be provided at Cooler section and Captive Power plant. - o Bag filters will be installed at all raw material transfer points & Silo top. - o Stack emission from all the stack
2.	Village Raniwal	~1.7 km	SSW direction	
Residential Structures in the Vicinity of the Proposed Site				
3.	Small residential cluster (2-3 houses)	Located at distance of approx. 90 m to 250 Meters around the project site		

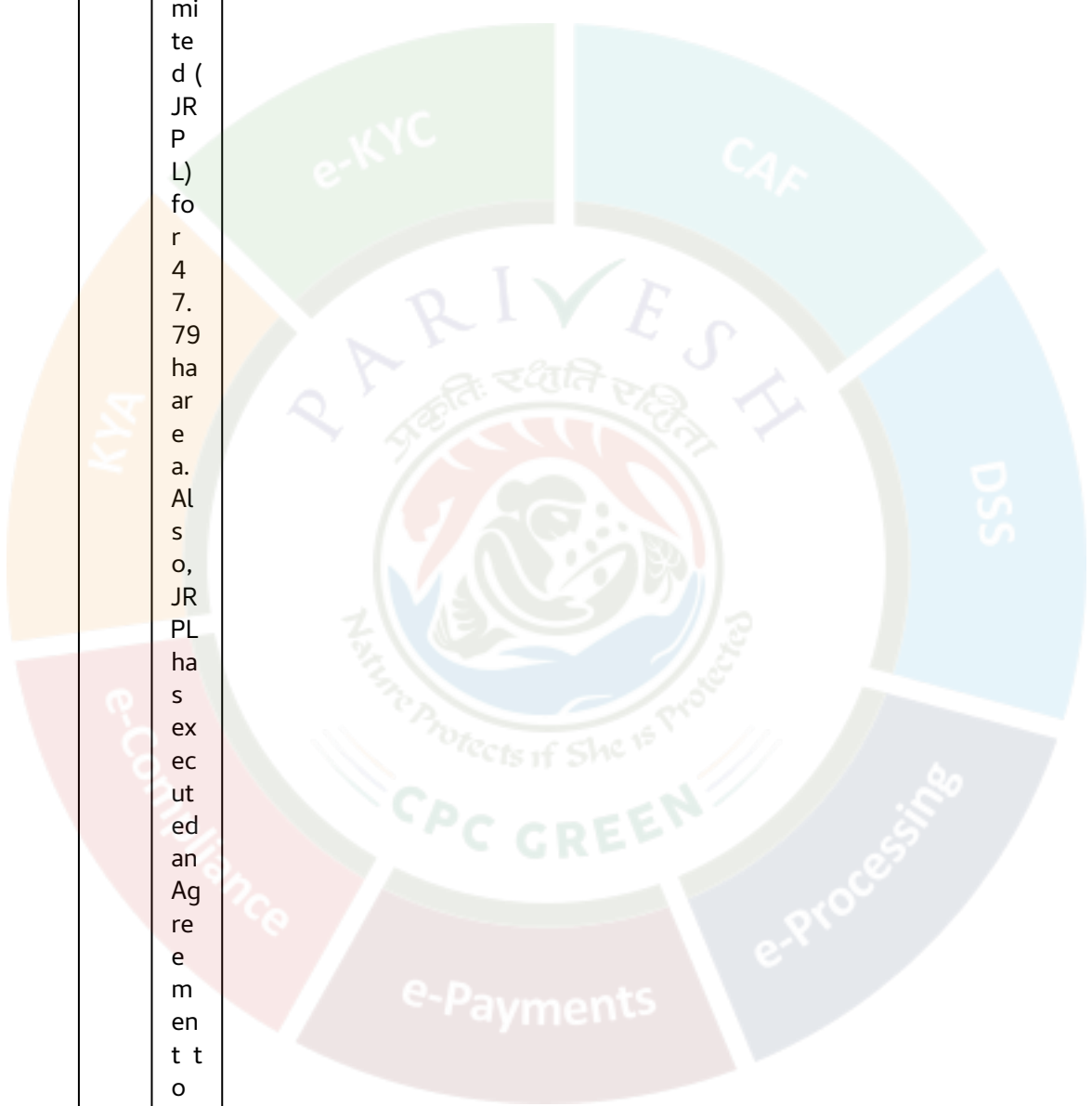
S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
				s will be maintained within 30 m g/Nm³. - o All the loading hoppers will be equipped with the bag filters. - o Internal roads will be concreted and cleaning of the same will be done through vacuum cleaning machines. - o Internal roads of plant premises will be concreted and maintained in good condition. - o Dust collected from air pollution control equipment will be totally recycled in the process. - o Fly ash will be received through closed bulkers & fed into silo through pneumatic system. - o The packing machine will be equipped with a dust extraction arrangement. - o Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. - o Monitoring of the emission level and ambient air quality will be done on continuous basis by installation of Continuous Emission Monitoring System at major stacks and Continuous Ambient Air Quality Monitoring Stations at plant boundary - o Low NO_x burners will be installed at kiln, calciner and captive power plant.
Religious Places				
1.	Ramawas Hanuman Temple	~ 1.7 km	ESE direction	- o Movement of heavy vehicles shall be regulated and speed limit shall be maintained near places of worship. - o To mitigate both Dust and Noise generated due to the plant activities, company will develop a 3 tier Greenbelt along the plant boundary.
2.	Mahadev Temple Ramawas	~ 1.9 km	East direction	
3.	Hindu Temple	~ 2.0 km	NNE direction	
4.	Dev Narayan ka m	~ 1.9 km	SSW direction	

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures	
	andir Raniwal	m	on		
5.	Mahadev temple, Raniwal	~ 2.0 km	South direction		
Water Bodies					
1.	Lilri River	~1.6 km	North direction	- o No water body will be blocked due to any activities at the project site and free flow of water will be maintained. - o During the construction and operation phase of the project the water body will not be disturbed in any case - o No waste water will be generated from the cement manufacturing process. However, waste water generated from CPP and WHRS will be treated in the neutralization pit and same will be reused in dust suppression and mill spray. Waste water generated from domestic use i.e. office toilets, canteen and residential township will be treated in STP and STP treated water will be reused for greenbelt and plantation purpose. Zero liquid discharge will be maintained from the premises. - o Existing village ponds shall be rejuvenated and protected through desilting, embankment, and plantation of local species along the periphery to enhance water storage and ecological value - o Storm water drains will be made. The drains will be properly aligned in conformity with the site drainage pattern. - o Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. - o Regular monitoring of groundwater and surface water quality will be done.	
Forest Area					

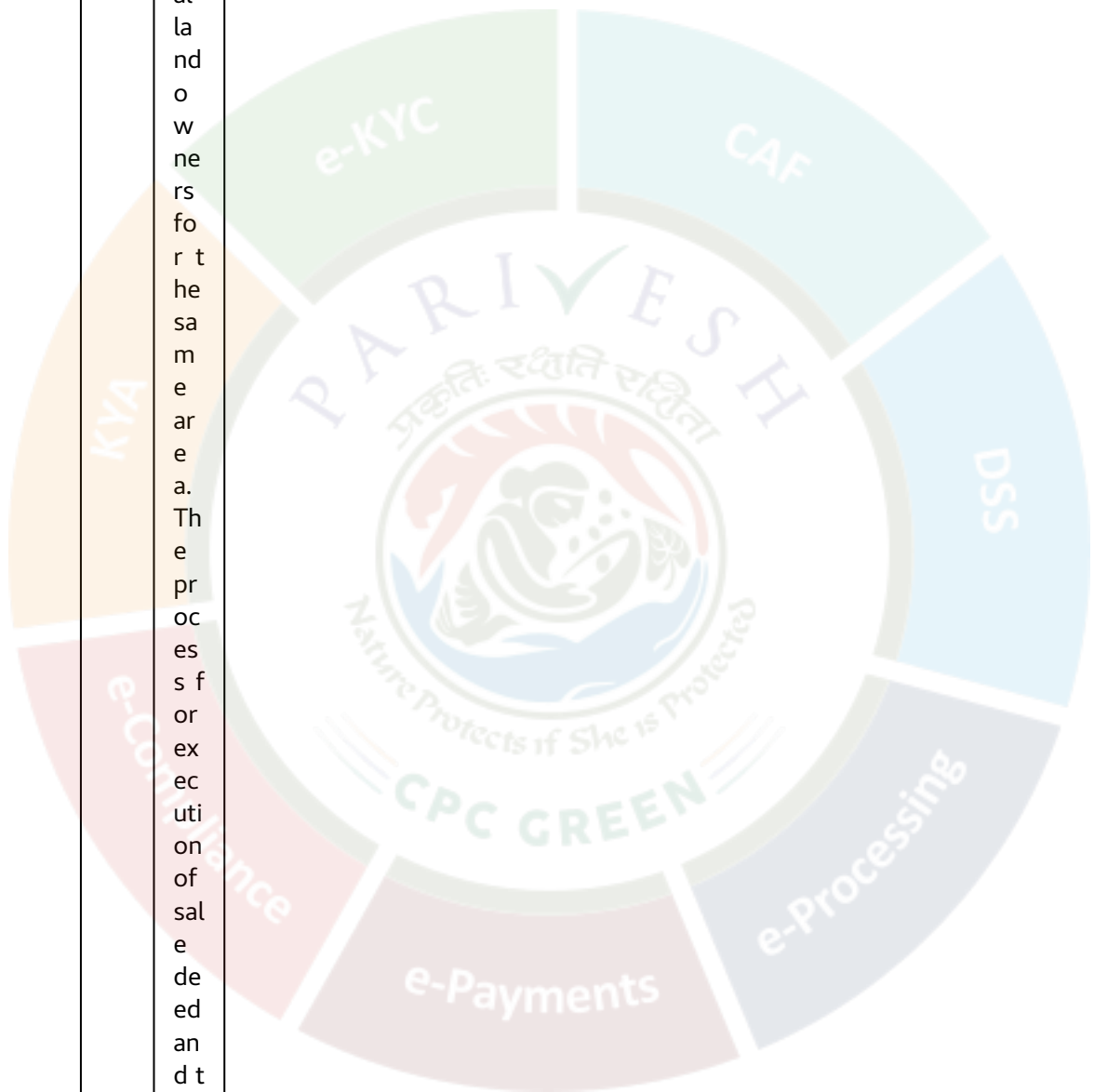
S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures	
1.	Protected Forest / Reserve Forest	None within the study area.			
ASI Protected Site					
1	ASI Protected Site	None within the study area.			
National Park/ Wildlife Sanctuary/ Tiger Reserve					
1.	National Park/ Wildlife Sanctuary/ Tiger Reserve	None within the study area.			
Heritage sites					
1.	Heritage sites	None within the study area.			
S. No	Particulars	Applicability of OM	Compliance Status		
	Land Acquisition	MoEF & CC O.M. dated 07.10.2014 and OM of	Out of total 91.5 ha land, Star Cement Nor		

S. No	Particulars	Applicability of OM	Compliance Status
		MoEFCC, New Delhi dated. 20th Feb., 2025	th East Limited (SCNEL) has executed an Agreement to Sale (ATS) with Jaitaran Renewable Power Li

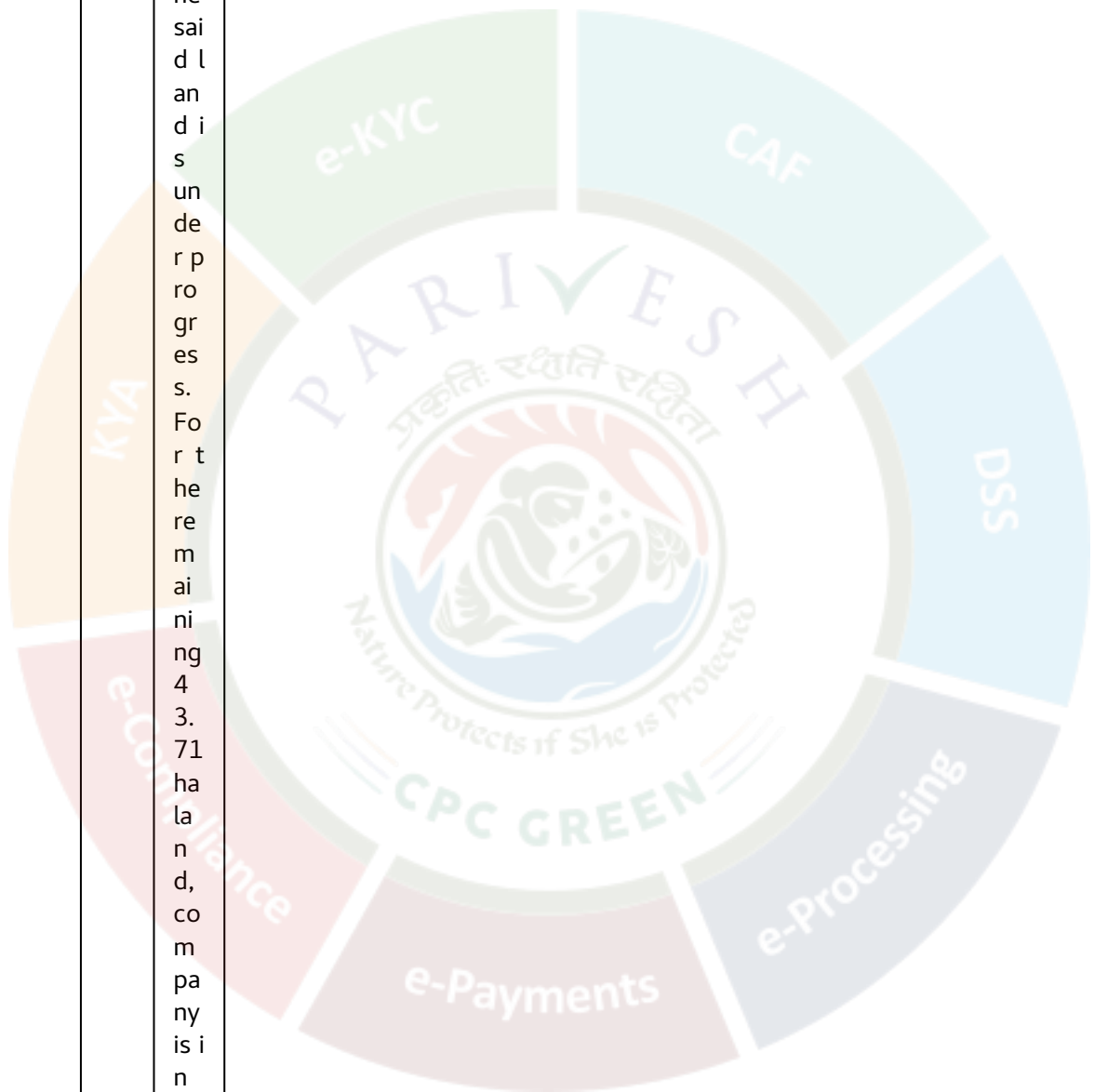


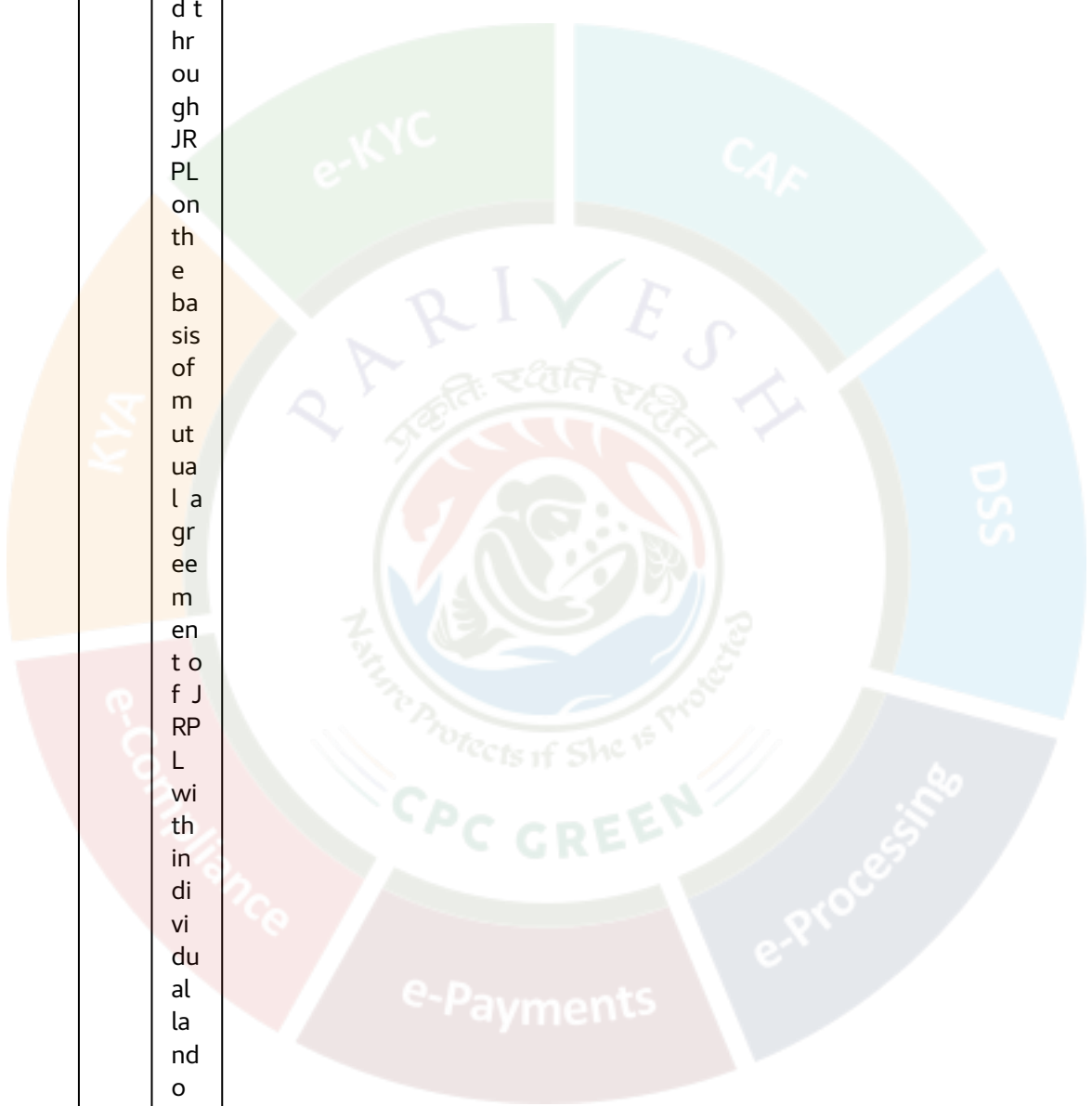
S. No	Particulars	Applicability of OM	Compliance Status
			 mitted (JRPL) for 47.79 ha area. Also, JRPL has executed an Agreement to Sale (ATS) with individual

S. No	Particulars	Applicability of OM	Compliance Status
			all land owners for the same area. The process for execution of sale deed and transfer of possession for

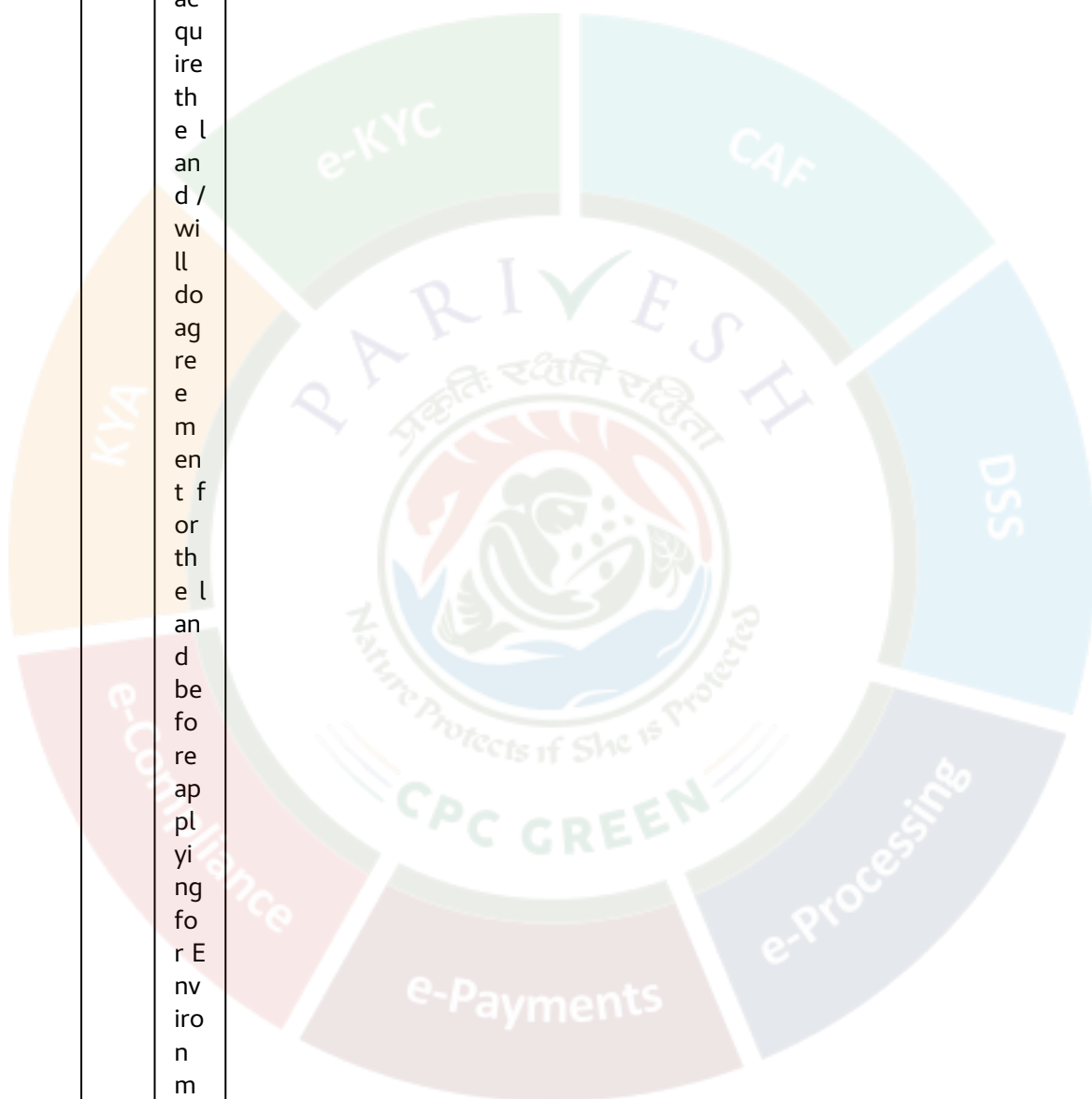


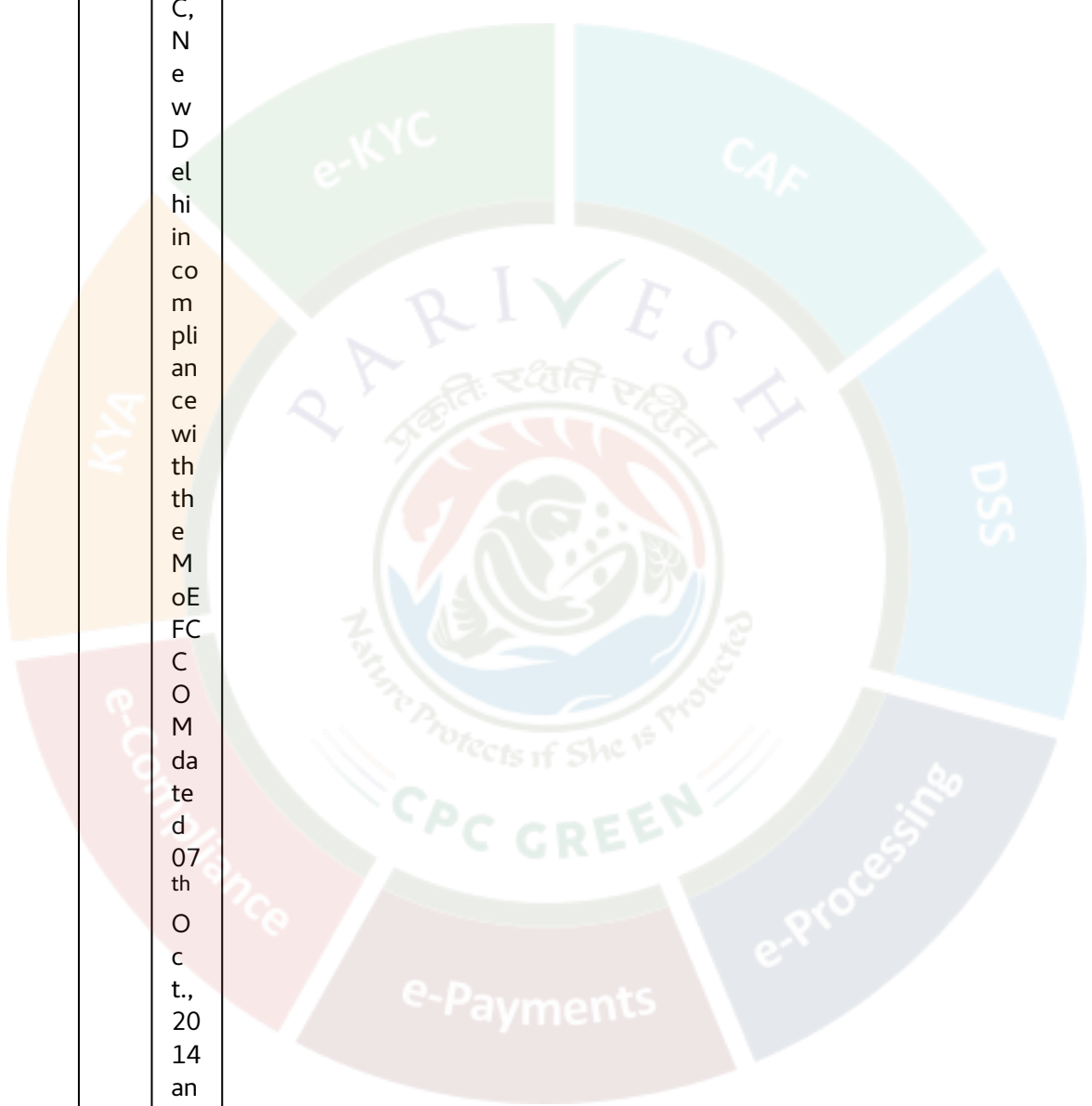
S. No	Particulars	Applicability of OM	Compliance Status
			he said land is under progress. For the remaining 43.71 ha land, company is in process to acquire the land



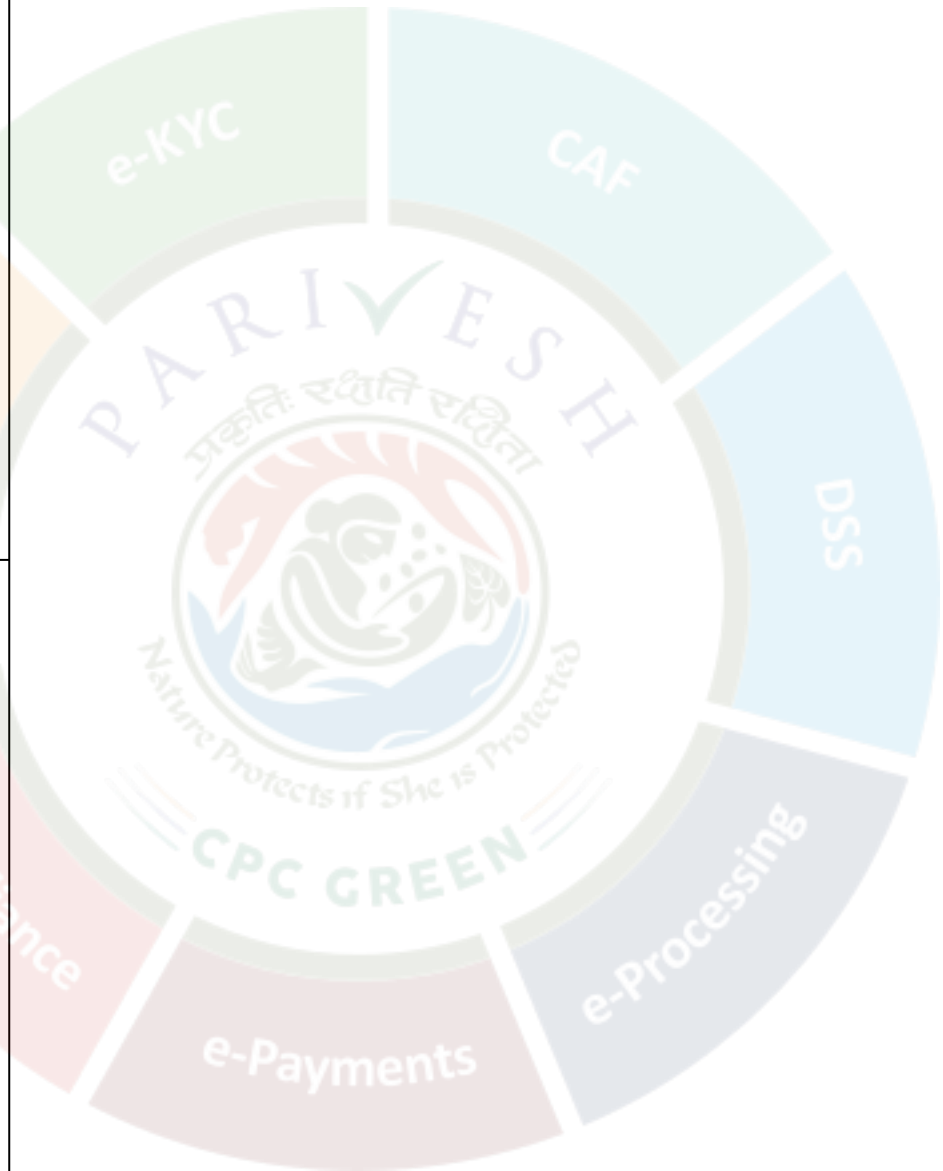
S. No	Particulars	Applicability of OM	Compliance Status
			d through JRP L on the basis of mutual agreement of JRP L with individual land owners. The company will 

S. No	Particulars	Applicability of OM	Compliance Status
			acquire the land / will do agreement for the land and be for applying for Environmental Clearance to MoEF

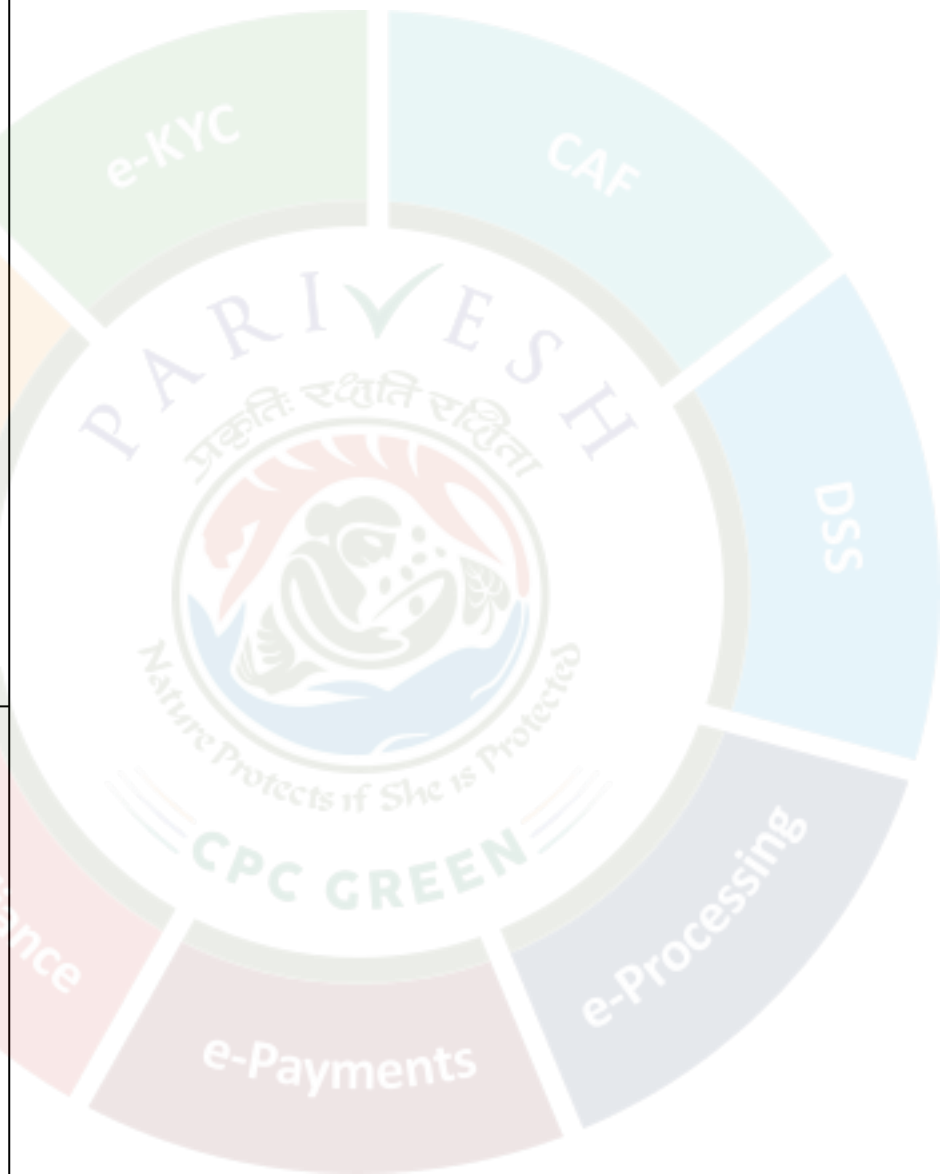


S. No	Particulars	Applicability of OM	Compliance Status
			C, New Delhi in compliance with the MoEFCC OM dated 07th Oct., 2014 and 25th Feb., 2025. JR PL is 

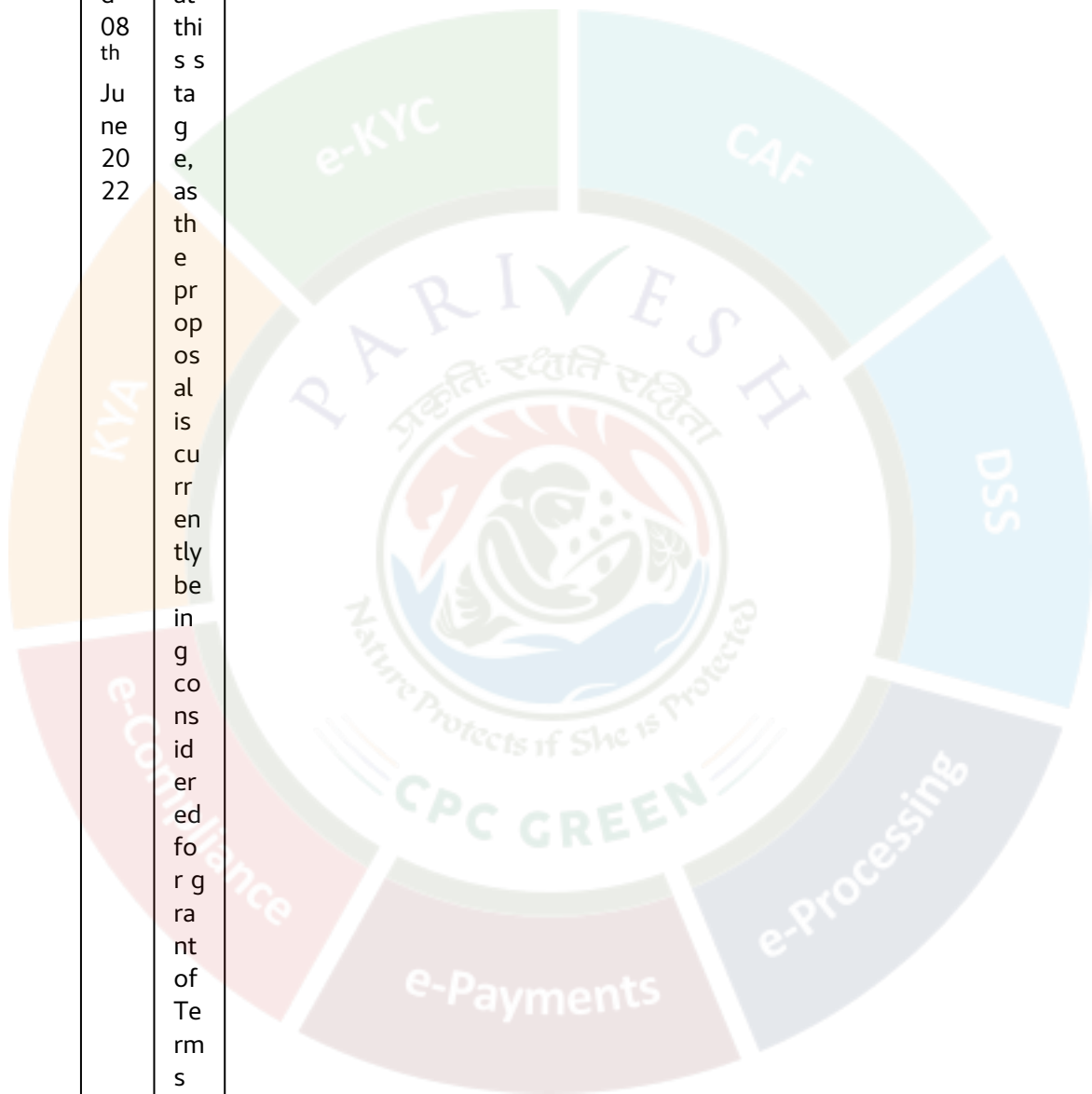
S. No	Particulars	Applicability of OM	Compliance Status
			now 100% subsidiary of SCNEL.
	Presence of Stream/Nallah within Site	MoEF&CC Notification, G. S. R. 85(E) dated 30th January 2025 and	There is now water body within the project site. Near stretch river i

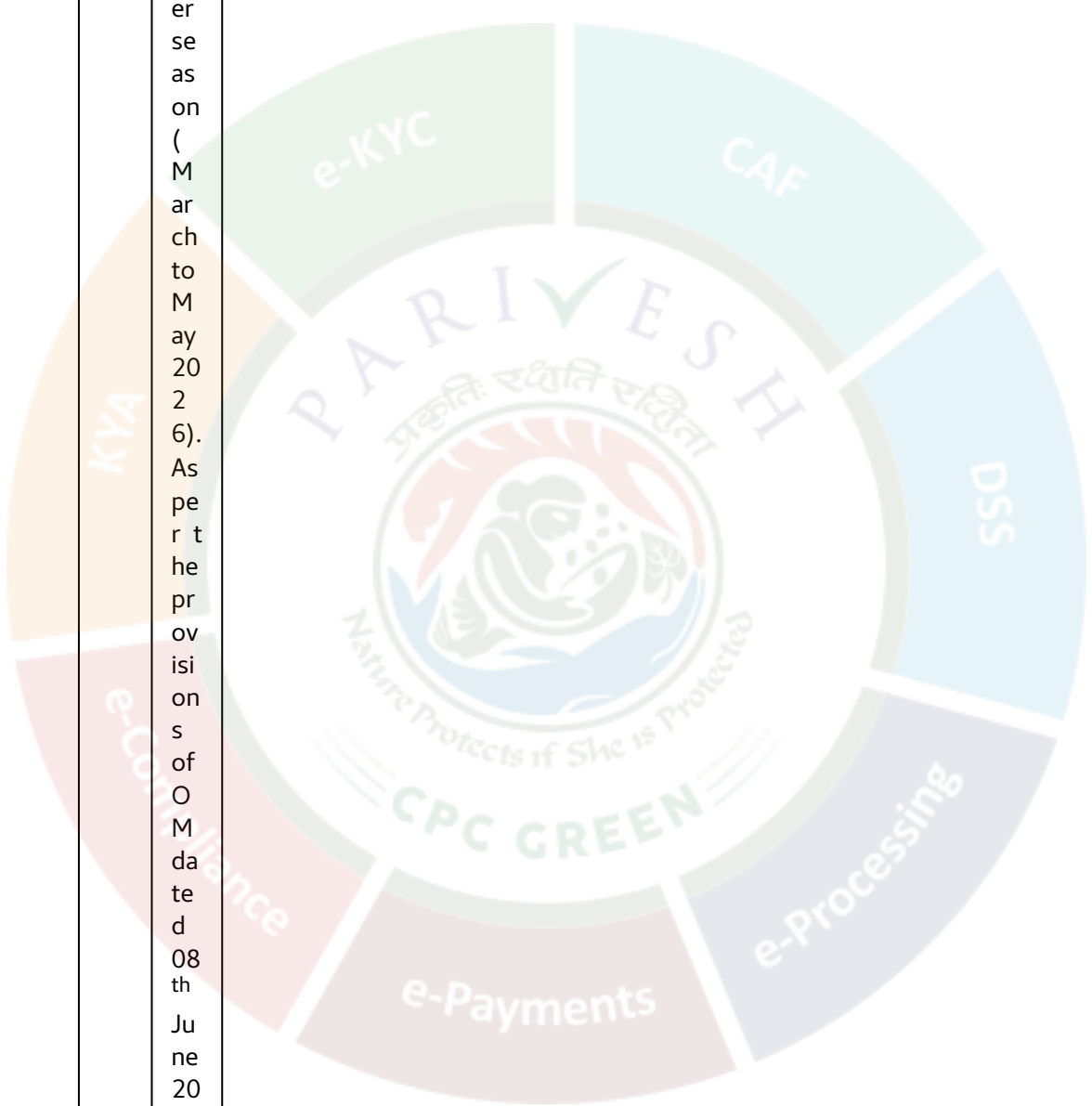


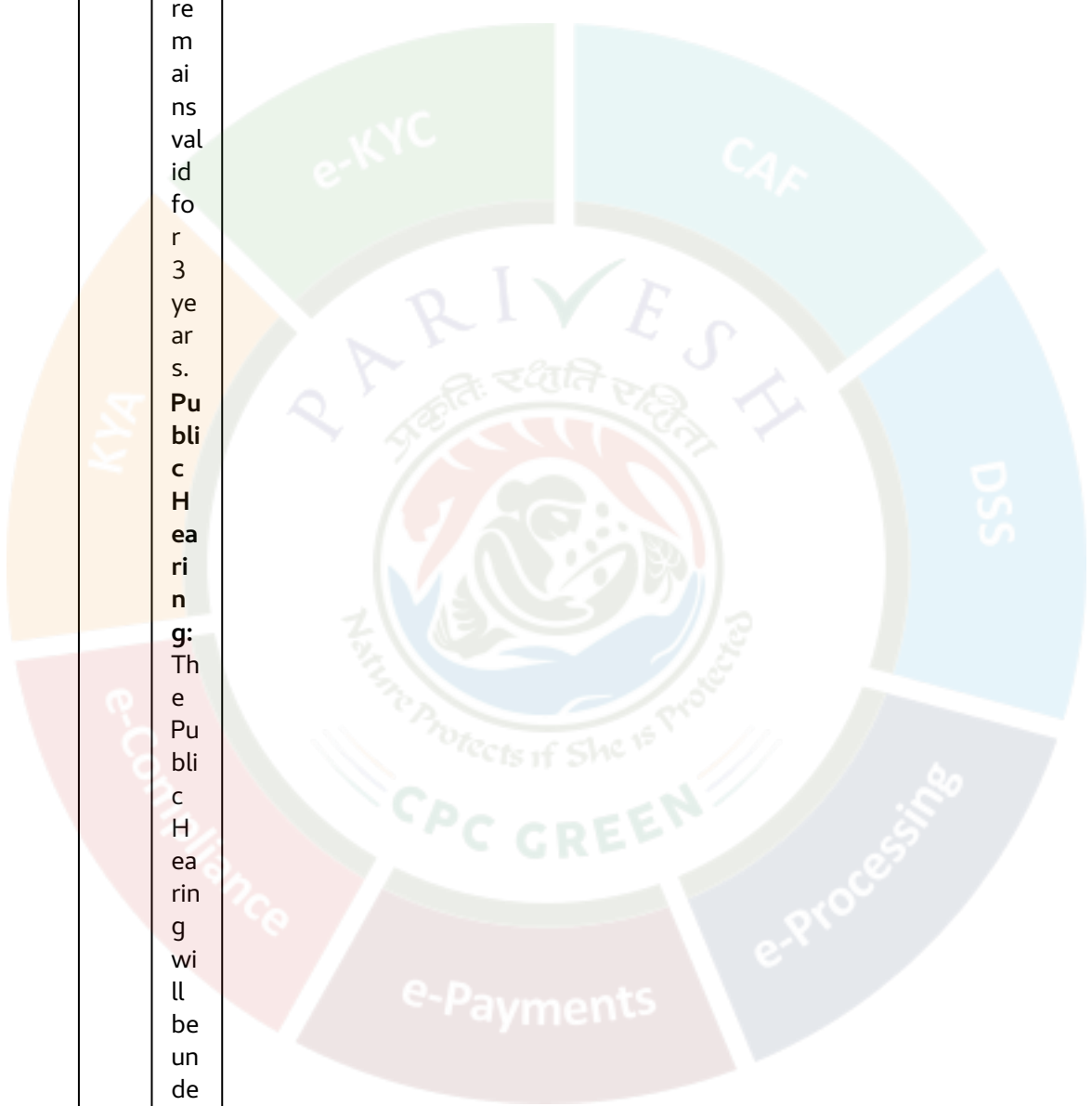
S. No	Particulars	Applicability of OM	Compliance Status
		d a m e n d e d o n 13 t h J a n. ., 20 26	s: o L i l r i R i v e r (~ 1. 5 k m i n N o r t h d i r e c t i o n)
	Valid ity o f T o R, B a s e l i n e D a t a a n d P u b l i c H e a r i n g	F. N o. I A 3- 2 2/ 1 1 0/ 20 2 2-I A.I II [E 17 72 5 8] O M d a t e	T e r m s o f R e f e r e n c e (T o R) V a l i d i t y: N o t A p p l i c a b l e

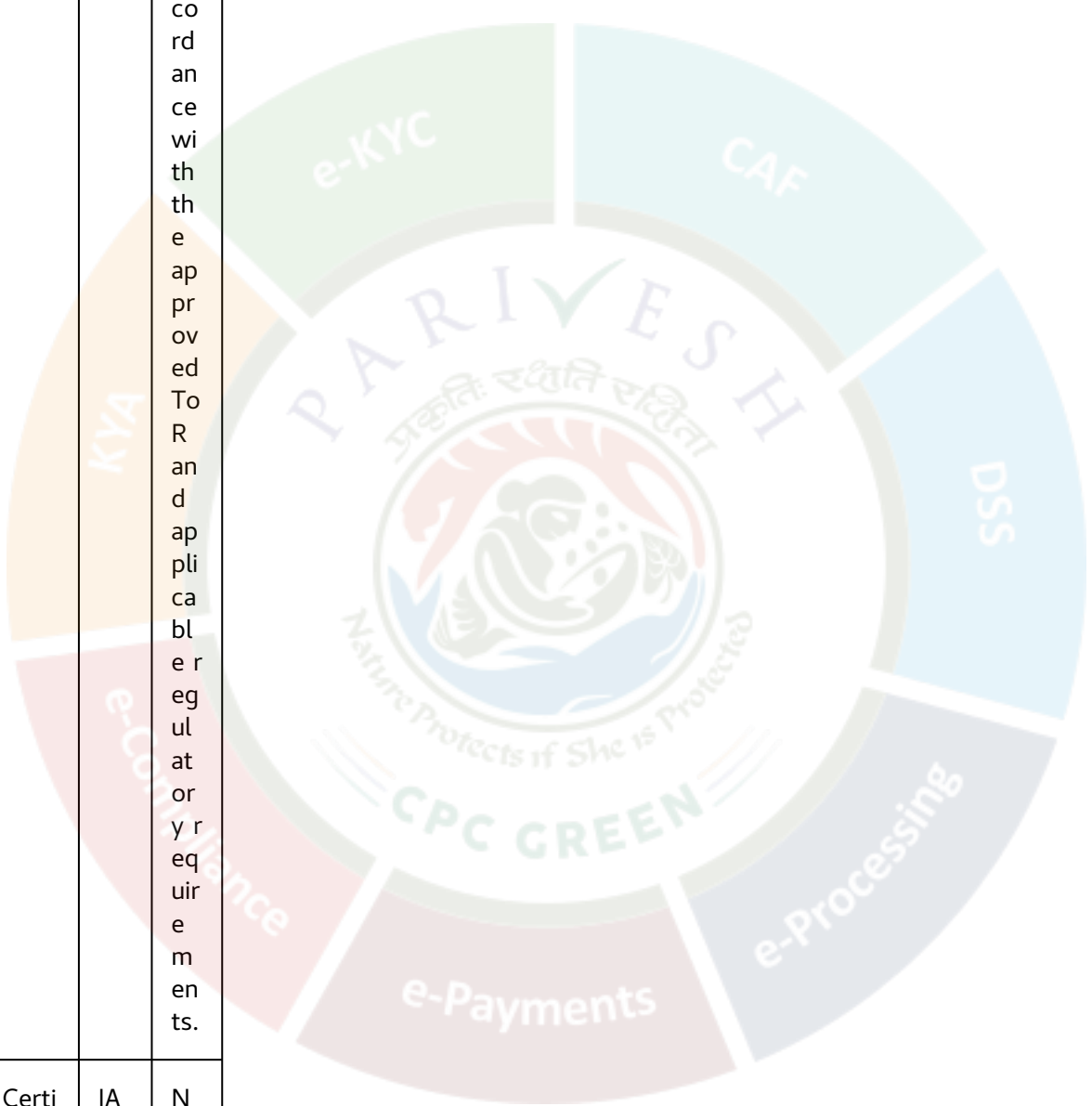


S. No	Particulars	Applicability of OM	Compliance Status
		d 08 th June 2022	at this stage, as the proposal is currently being considered for grant of Terms of Reference (To R). Baseline

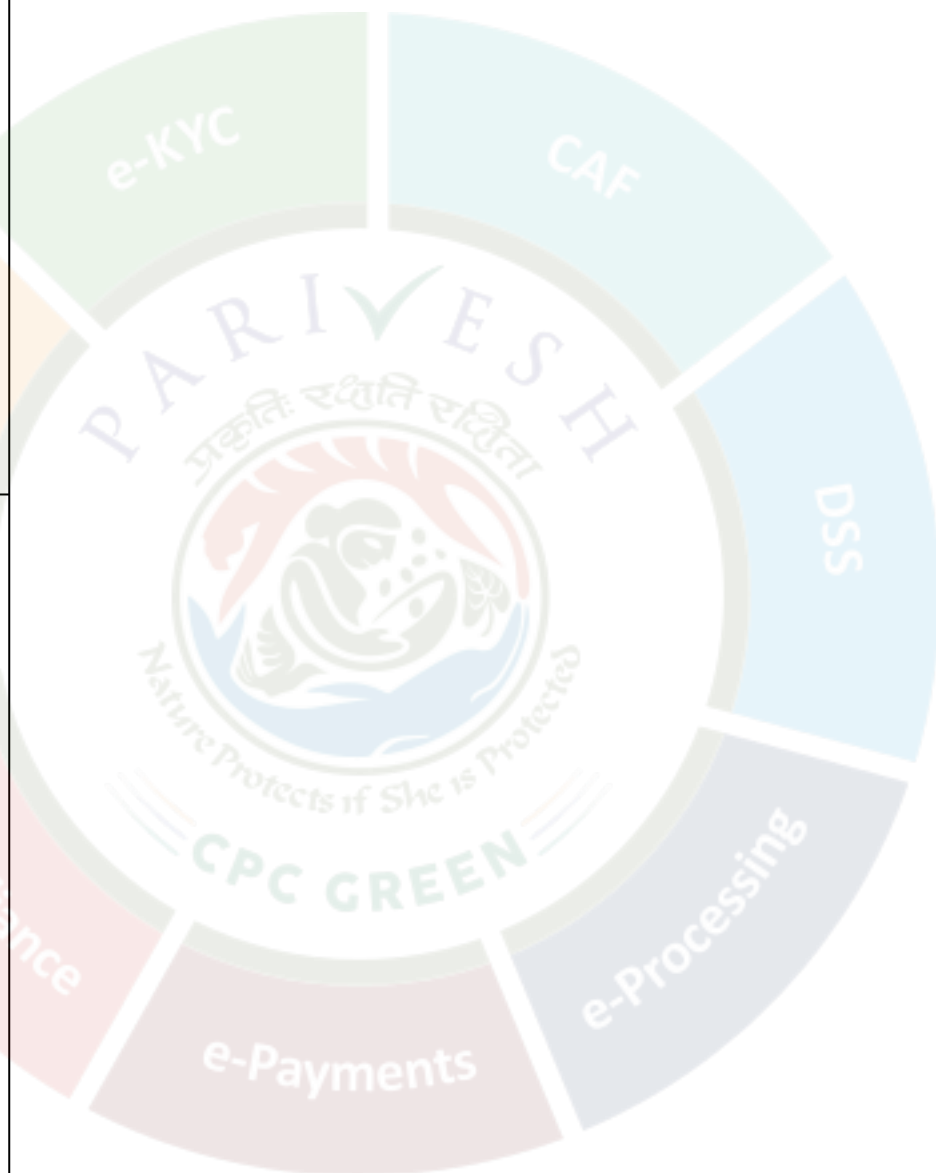


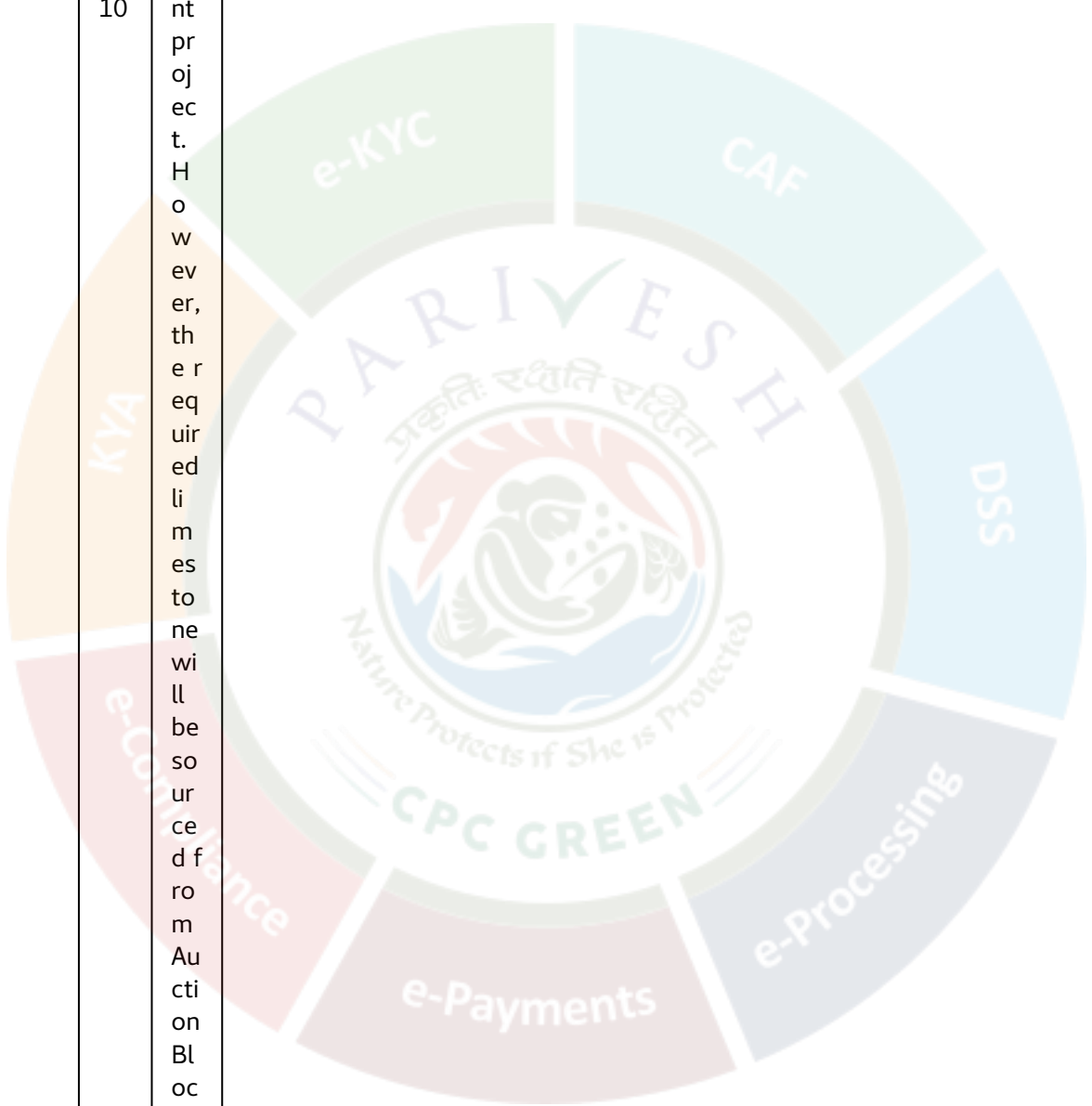
S. No	Particulars	Applicability of OM	Compliance Status
			er se as on (M ar ch to M ay 20 2 6). As pe r t he pr ov isi on s of O M da te d 08 th Ju ne 20 2 2, th e m on ito rin g da ta 

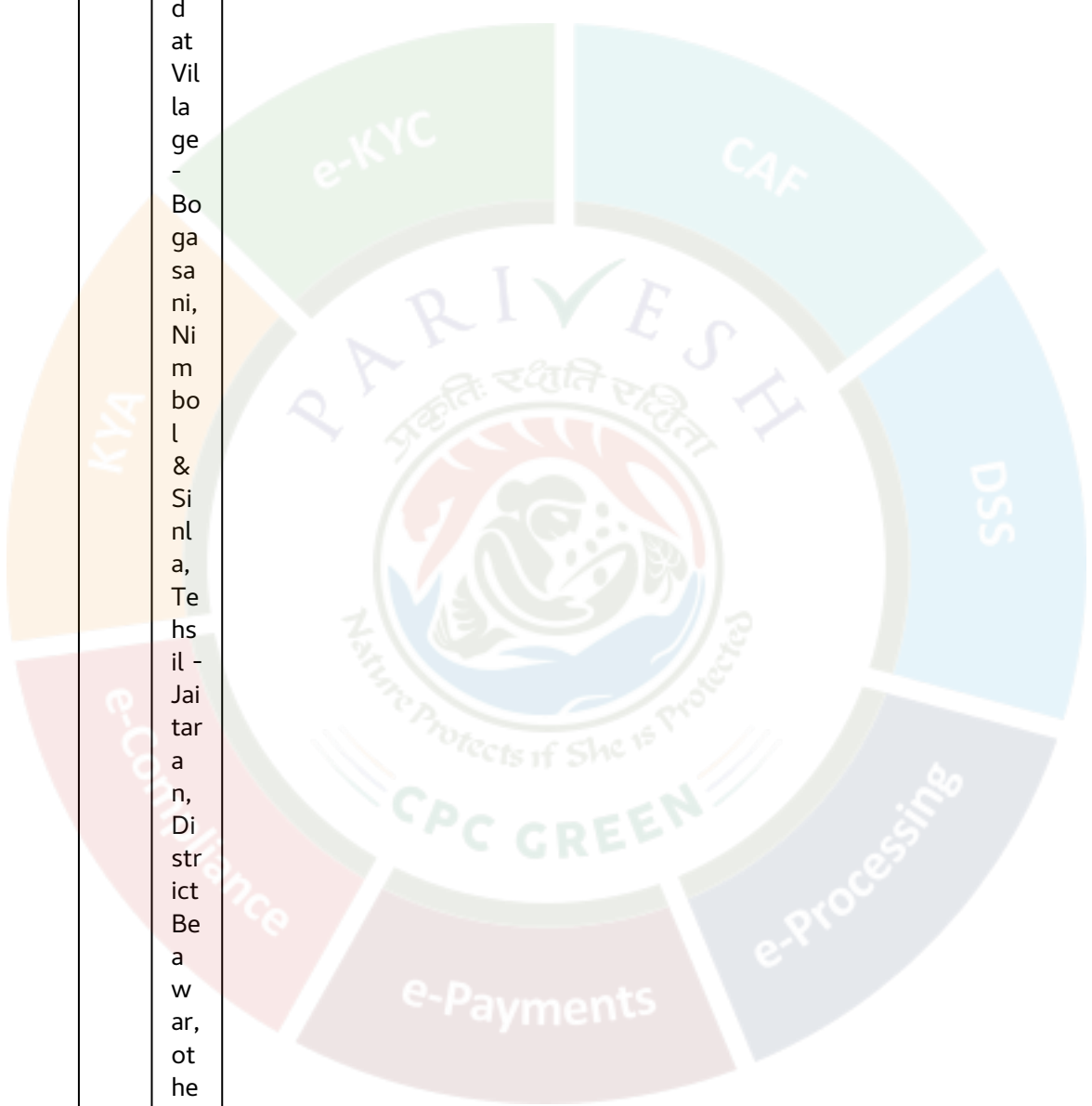
S. No	Particulars	Applicability of OM	Compliance Status
			remains valid for 3 years. Public Hearing: The Public Hearing will be undertaken subsequently, in ac 

S. No	Particulars	Applicability of OM	Compliance Status
			 coordination with the approved TOR and applicable regulations or requirements.
	Certified Compliance Report (Complied CC R)	IA 3-22/10/2022-I.A.II [	Not applicable, as this is

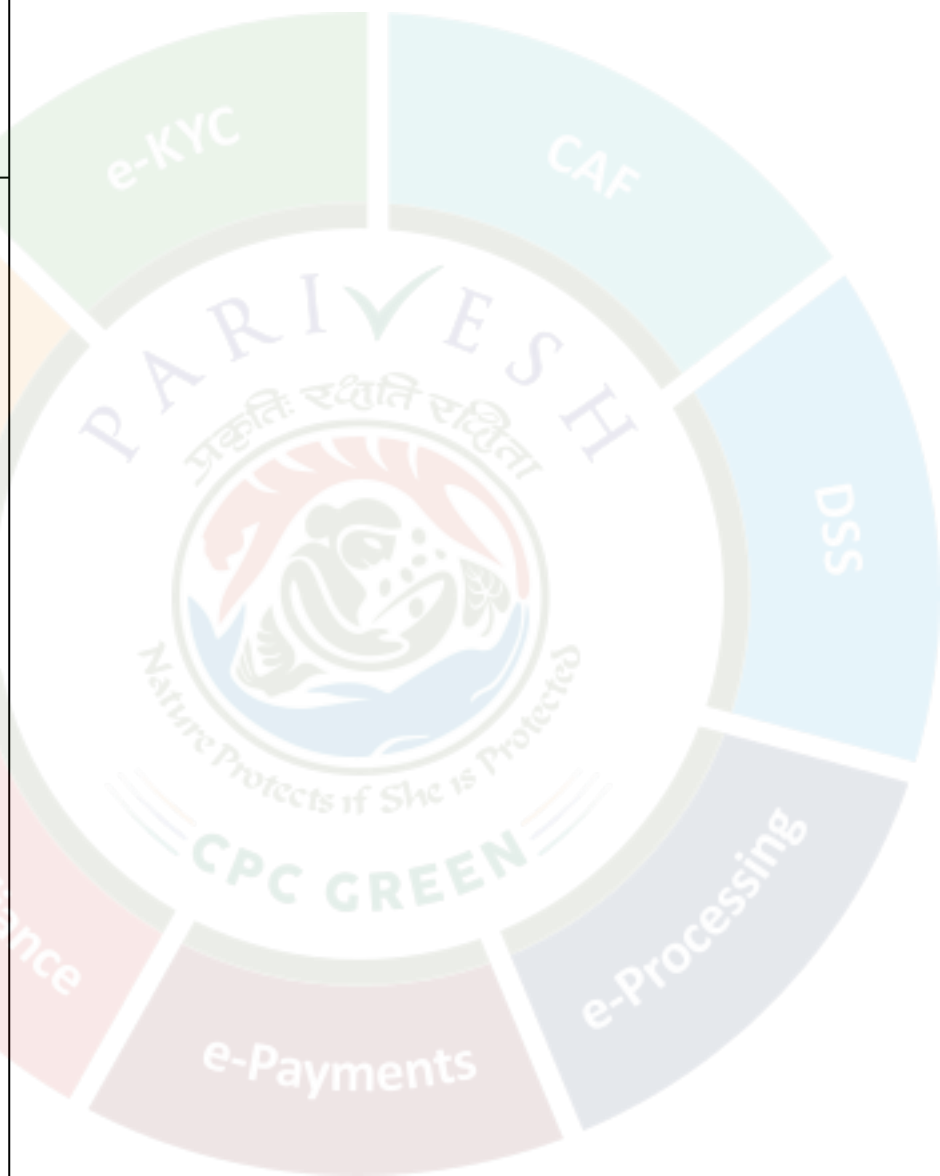
S. No	Particulars	Applicability of OM	Compliance Status
		E 17 72 58 1] dated 08.06.2022	agree nfield project.
	Details of any Inter-linked/Integrated project if any	F. No. J-11 01 3/ 4 1/ 20 0 6- 1A. II(I) MoE F& CC O. M. dated 24/ 1 2/ 20	No, there is no interlinked project with this Integrated Cement Plant



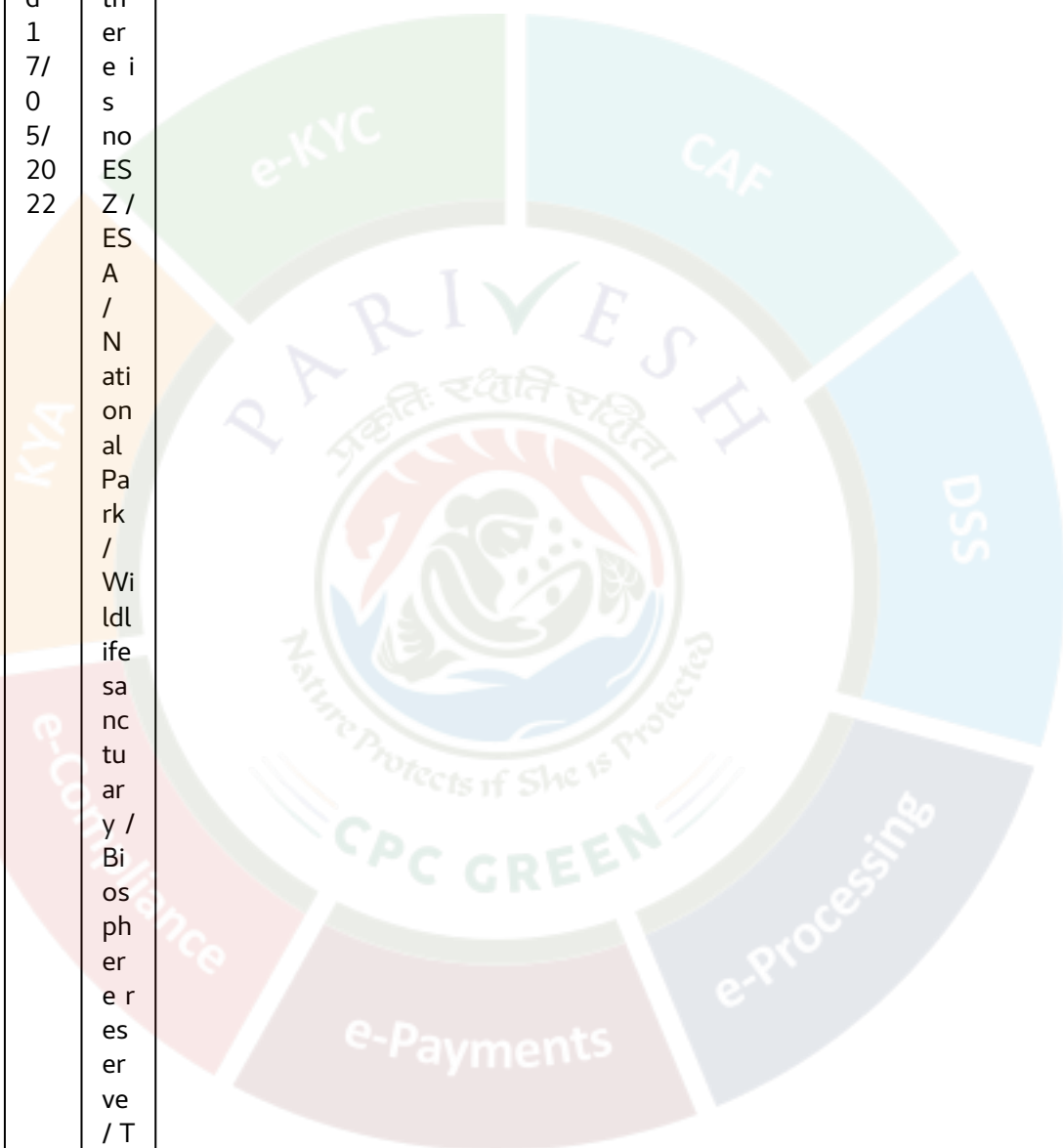
S. No	Particulars	Applicability of OM	Compliance Status
		10	nt project. However, the required limits to be sourced from Auction Blocks of the Company locate 

S. No	Particulars	Applicability of OM	Compliance Status
			 d at Vil la ge - Bo ga sa ni, Ni m bo l & Si nl a, Te hs il - Jai tar a n, Di str ict Be a w ar, ot he r L im es to ne Mi ne s an d op

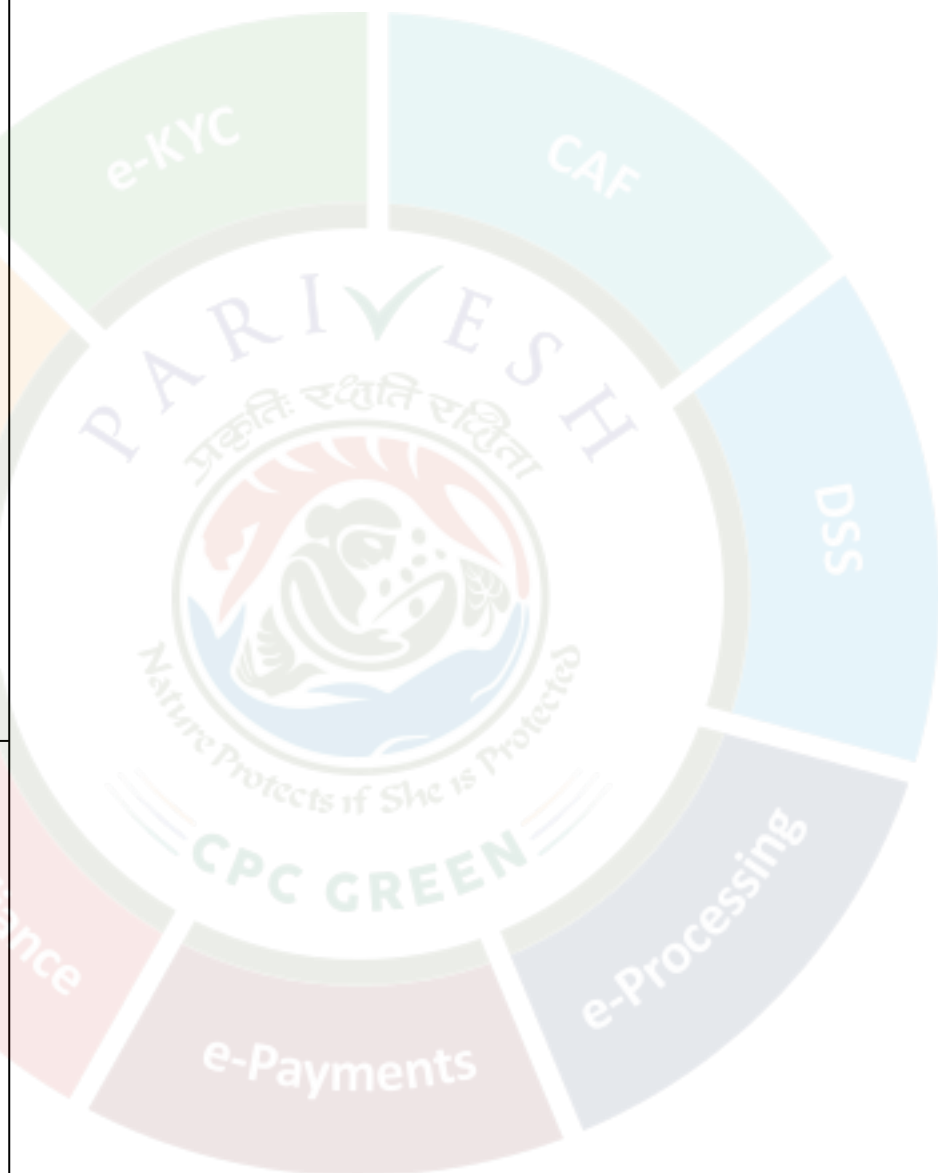
S. No	Particulars	Applicability of OM	Compliance Status
			en market.
	Involvement of Forest land if any. Status of Forest land approval under Van (Sanrakshana Evam Samvardhan) Adhiniyam, 1980	Ministry's O.M. dated 9/9/2011 & its subsequent amendments	Not Applicable as there is no forest land involved in the project.
	Any ESZ/ESA/national park/wildlife	MoEF&CC O.M. dated	Not Applicable as



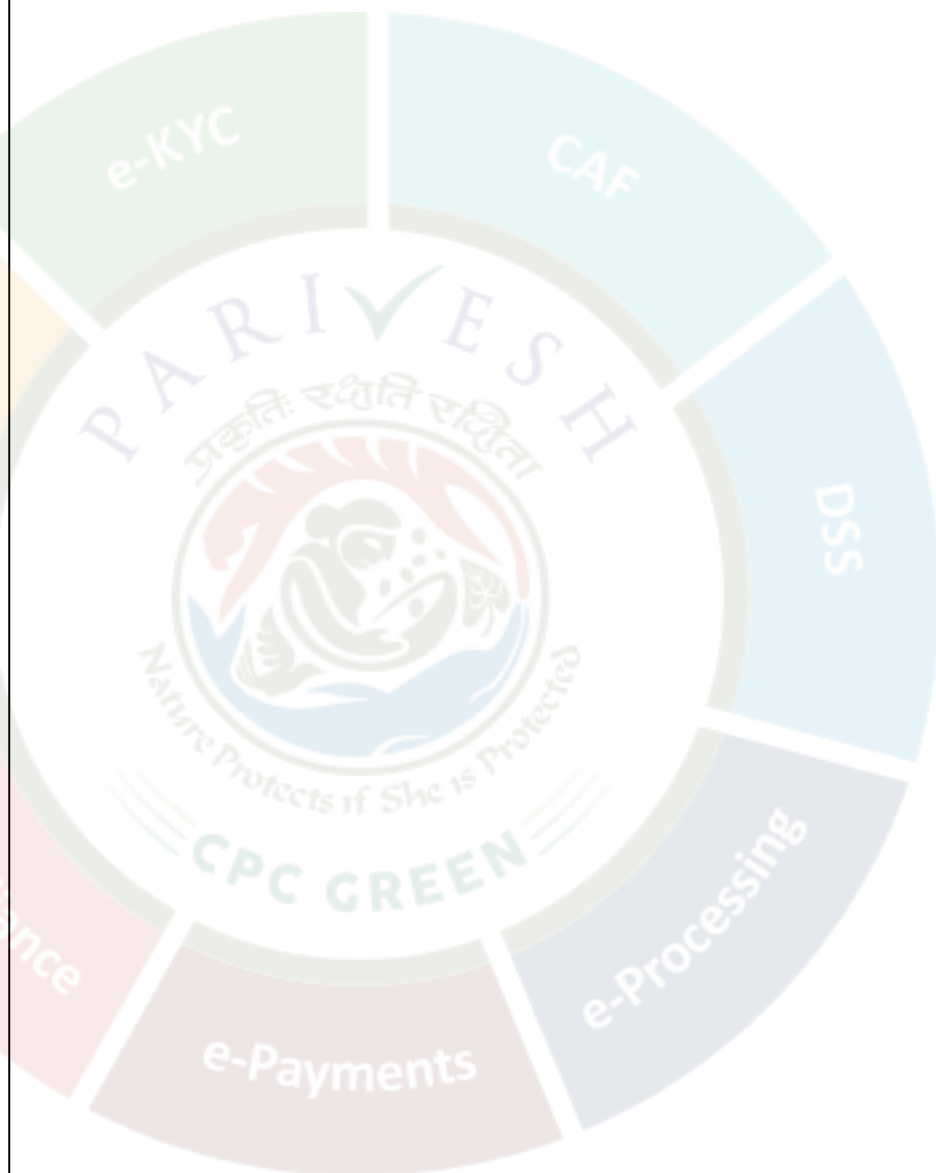
S. No	Particulars	Applicability of OM	Compliance Status
	sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. within 10 km radius of project site. Whether applied for SCNBWL as per MoEF&C O.M. dated 17/05/2022	dated 17/05/2022	there is no ESZ / ESA / National Park / Wildlife sanctuary / Biosphere reserve / Tiger reserve / Elephant reserve



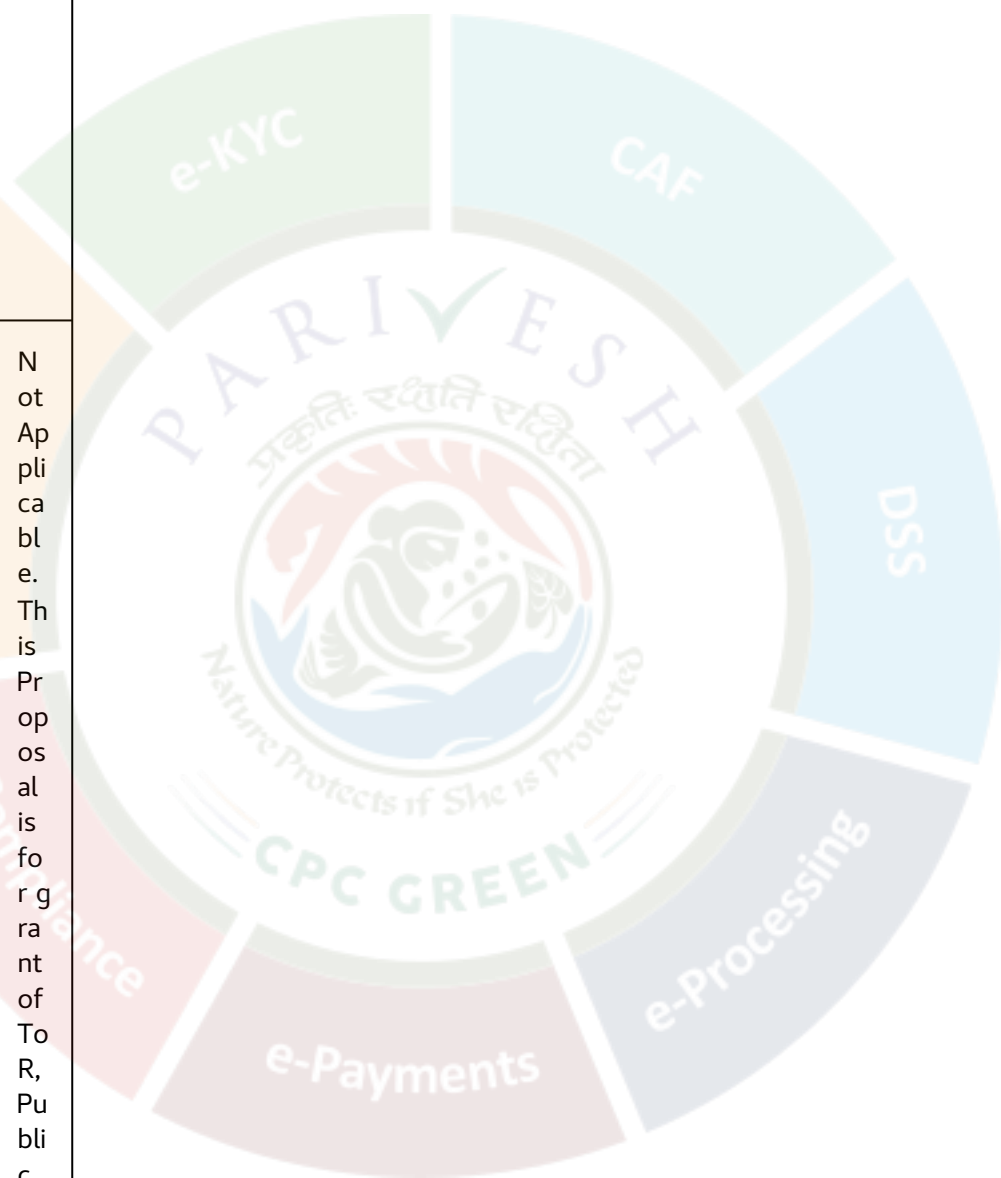
S. No	Particulars	Applicability of OM	Compliance Status
			serve etc. within 10 km radius of project site.
	Critically Polluted Area/Severely Polluted a. Whether project locate	MoEF&CC O.M. No. 22-23/2022-18-1 A.II dated 31/	Not Applicable The project does not fall within Cr



S. No	Particulars	Applicability of OM	Compliance Status
	d in C P A/ S P A b. Distanc e of project from C P A/ S P A c. Whether additional environmental safe guard	10/2019 and MoEF&CC O.M. No. 2223/2022-1 A.II dated 5/07/2022	itically or Seve rely Po llute d Area.



S. No	Particulars	Applicability of OM	Compliance Status
	shave been proposed		
	Deliberation on the commitments made by project proponent and requirements to address the concerned raised during the public consultation reg.	MoEF&CC OM No. 22-265/2017-I.A.II dated 30/09/2020 & 25/02/2021	Not Applicable. This Proposal is for grant of TOR, Public Hearing is yet to be co



S. No	Particulars	Applicability of OM	Compliance Status
			Inducted.
	Accreditation of ELA Consultant by Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET)	MoEF & CC OM No. J-11013/7/2004-I A-I dated 30/09/2011	Complied. J. M. Environet Pvt. Ltd. Registered by NABET (QCI), (Certificate



S. No	Particulars	Applicability of OM	Compliance Status
			category. N/A BE T/ E/ A/ 2 3- 2 6/ SA 02 5 0; Va lid till 0 7. 0 8. 20 2 6)

3.5.3. Deliberations by the committee in previous meetings

N/A

3.5.4. Deliberations by the EAC in current meetings

Deliberation by the Committee

- The instant proposal is for setting up of a new Integrated Cement Plant with production capacity of Clinker - 8.0 Million TPA (2 x 4.0 Million TPA), Cement {Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC), Portland Slag Cement (PSC), Composite Cement (CC) and Limestone Calcined Clay Cement (LC3)}- 6.0 Million TPA (2 x 3.0 Million TPA), WHRS - 50 MW (2 x 25 MW), CPP - 20 MW & D.G. Sets - 4000 kVA (2 x 2000 kVA or 2 x 1000 kVA and 4 x 500 kVA or 2 x 1000 kVA and 2 x 500 kVA & 4 x 250 kVA) in two phases.
- The EAC took into consideration the drone survey of the project site and kml file on the Google Earth

presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

- iii. The total land requirement for the project is 91.5 ha, which comprises private agricultural land. Out of the total land, M/s Star Cement North East Limited (SCNEL) has already executed an Agreement to Sale (ATS) for 47.79 ha through its subsidiary Jaitaran Renewable Power Limited (JRPL) with individual landowners, and the process of transfer of possession is under progress. For the remaining 43.71 ha, the company is in the process of acquiring land through JRPL on the basis of mutual agreement with individual landowners. It has been submitted that the company shall obtain necessary environmental clearance from MoEF&CC prior to final acquisition of the remaining land, in compliance with MoEF&CC Office Memorandum dated 07th October, 2014 and 25th February, 2025. The EAC opined that PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Village Ramawas Kalan is located at about 1.2 km in the east direction, with scattered houses located at a distance of about 90 m to 310 m from the project site. Other nearby habitations include Village Raniwal at about 1.7 km in the SSW direction. Educational institutions such as Govt. Senior Secondary School, Ramawas Kalan (~1.8 km, ESE), Govt. Senior Secondary School, Lototi (~2.0 km, NW), Govt. Senior Secondary School, Raniwal (~2.0 km, SSW), and Govt. Upper Primary School, Ramawas Khurd (~2.0 km, E) are present in the vicinity. Religious places such as Ramawas Hanuman Temple (~1.7 km, ESE) and Mahadev Temple, Ramawas (~1.9 km, E) are also located within the study area. In addition, Lilri River is located at about 1.6 km in the north direction from the project site along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. There are water bodies within the study area of the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vi. The water requirement for the proposed project is estimated as 2985 KLD (Phase - I: 1860 KLD & Phase - II: 1125 KLD), which will be obtained from Saline Ground Water (2620 KLD) / Treated Water. To meet this requirement, saline groundwater will be extracted and treated.. The EAC opined that PP shall secure necessary permission from the Competent Authority.
- vii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

3.5.5. Recommendation of EAC

Recommended

3.5.6. Details of Terms of Reference

3.5.6.1. Specific

Specific	
1.	PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.

2.	Project Proponent shall prepare a detailed Village Adoption and Socio-Economic Development Plan, with time-bound implementation, covering provision of basic amenities, health care facilities including periodic medical check-ups, skill development, and livelihood enhancement measures. The plan shall be prepared in consultation with the local administration and village representatives and incorporated in the EIA/EMP report with clearly earmarked budgetary allocation.
3.	Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance (for receptors not covered above). The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
4.	PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3 kms (for receptors not covered above), and up to the study area limits. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
5.	There are other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
6.	The water requirement for the proposed project is estimated as 2985 KLD (Phase - I: 1860 KLD & Phase - II: 1125 KLD), which will be obtained from Saline Ground Water (2620 KLD) / Treated Water. PP shall secure necessary permission from the Competent Authority.
7.	Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
8.	The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
9.	Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
10.	The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.

1 1.	Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
1 2.	Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
1 3.	The “make-up” water required during the operation be reported, without any ambiguity.
1 4.	The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
1 5.	An action plan must be drawn up and implemented for maximum harvesting of rain water.
1 6.	The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
1 7.	PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
1 8.	Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
1 9.	PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
2 0.	PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

3.5.6.2. Standard

3(b)	Cement plants
Preliminary requirements	
1.	EIA/EMP report cover page shall consists of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.
2.	Besides, following points shall be compiled as per QCI/NABET norms: a. Disclaimer by the EIA consultant. b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person. c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report. d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC. e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.
Executive Summary	

1.	Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
2.	Point wise compliance to the ToR issued by MoEF&CC.
3.	Name of the project along with applicable schedule and category as per EIA, 2006.
4.	Location and accessibility
5.	Resource requirements (Land; water; fuel; manpower)
6.	Operational activity
7.	Key pollution concerns
8.	Ambient air quality
9.	Ambient Noise quality
10.	Traffic study
11.	Surface water quality
12.	Ground water quality
13.	Soil quality
14.	Biological Environment
15.	Land use
16.	Socio-economic environment
17.	Impact on ambient air quality
18.	Impact on ambient noise quality
19.	Impact on road and traffic
20.	Impact on surface water resource and quality
2	Impact on ground water resource and quality

1.	
2 2.	Impact on terrestrial and aquatic habitat
2 3.	Impact on socio-economic environment
2 4.	null
2 5.	Ambient air, noise, water and soil quality
2 6.	Noise quality management plan
2 7.	Emission and discharge from the plant
2 8.	Green Belt
2 9.	Social Parameters
3 0.	Risk assessment
3 1.	Public consultation
3 2.	Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020
3 3.	null
3 4.	Air quality management plan
3 5.	Noise quality management plan
3 6.	Solid and hazardous waste management plan
3 7.	Effluent management plan
3 8.	Storm water management plan

3 9.	Occupational health and safety management plan
4 0.	Green belt development plan
4 1.	Socio-economic management plan
4 2.	Project cost and EMP implementation budget.
Introduction	
1.	Background about the project
2.	Need of the project
3.	Purpose of the EIA study
4.	Scope of the EIA study
Project description	
1.	Location of the project site covering village, Taluka/Tehsil, District and State.
2.	Site accessibility
3.	A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
4.	Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.
5.	Environment settings of the site and its surrounding along with map.
6.	A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
7.	In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
8.	In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
9.	In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off

	calculations, disposal etc. A robust and full proof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
10.	Type of land, land use of the project site needs to be submitted.
11.	Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
12.	Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
13.	Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with calculations mentioning about GW recharge along with relevant drawing.
14.	A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
15.	Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.
16.	Status of Forest Clearance for the use of forest land shall be submitted.
17.	Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
18.	The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
19.	Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.
20.	Products with capacities in Tons per Annum for the proposed project.
21.	If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
22.	Site preparatory activities.
23.	List of raw materials required and their source along with mode of transportation.

2 4.	Other than raw materials, other chemicals and materials required with quantities and storage capacities.
2 5.	Manufacturing process details along with process flow diagram of proposed units.
2 6.	Consolidated materials and energy balance for the project.
2 7.	Total requirement of surface/ ground water and power with their respective sources, status of approval.
2 8.	Water balance diagram
2 9.	Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
3 0.	Man-power requirement.
3 1.	Cost of project and scheduled time of completion.
3 2.	In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
3 3.	Brief on present status of compliance (Expansion/modernization proposals) a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. b. Cumulative Impact Assessment need to be carried out by greenfield projects considering the nearby industries. c. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. d. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection. e. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.
Description of the Environment	
1.	Study period
2.	Approach and methodology for data collection as furnished below

Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards,CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM

			Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per CPCB norms	
Water			
Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms - Phyto plankton - Zoo plankton	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		
For River Bodies - Total Carbon - pH - Dissolved Oxygen - Biological Oxygen Demand - Free NH4 - Boron - Sodium Absorption Ratio - Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	- Yield of water sources to be measured during critical season - Standard methodology for collection of surface water (BIS standards)	
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current		

	records) from the study area and shall be included.
Traffic Study	
Type of vehicles - Frequency of vehicles for transportation of materials - Additional traffic due to proposed project	Land Environment
Soil - Particle size distribution - Texture - pH - Electrical conductivity - Cation exchange capacity - Alkali metals - Sodium Absorption Ratio (SAR) - Permeability - Water holding capacity - Porosity	Soil samples be collected as per BIS specifications
Land use/Landscape - Location code - Total project area - Topography - Drainage (natural) - Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic - Primary productivity - Aquatic weeds - Enumeration of phyto plankton, zoo plankton and benthos - Fisheries - Diversity indices - Trophic levels - Rare and endangered species	- Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. - Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. - For forest studies, direction of wind should be considered while selecting forests.

- Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial - Vegetation-species list, economic importance, forest produce, medicinal value - Importance value index (IVI) of trees - Fauna - Avi fauna - Rare and endangered species - Sanctuaries / National park / Biosphere reserve - Migratory routes	Secondary data to collect from Government offices, NGOs, published literature.		
socio-economic			
Demographic structure - Infrastructure resource base - Economic resource base - Health status:Morbidity pattern - Cultural and aesthetic attributes. - Education	Socio-economic survey is based on proportionate, stratified and random sampling method. - Primary data collection through questionnaire - Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies		
Approach and methodology for data collection as furnished below			
Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological - Wind speed (Hourly) - Wind direction - Dry bulb temperature - Wet bulb temperature - Relative humidity - Rainfall - Solar radiation - Cloud cover	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 - Site specific primary data is essential - Secondary data from IMD, New Delhi - CPCB guidelines to be

• Environmental • Lapse Rate			considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards,CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			

Hourly equivalent noise levels	At least 8-12 locations	s per CPCB norms	
Water			
Parameters for water quality • pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity • Total nitrogen, total phosphorus, DO, BOD, COD, Phenol • Heavy metals • Total coliforms, faecal coliforms • Phyto plankton • Zoo plankton	Samples for water quality should be collected and analyzed as per: • IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents • Standard methods for examination of water and wastewater analysis published by American Public Health Association		
For River Bodies • Total Carbon • pH • Dissolved Oxygen • Biological Oxygen Demand • Free NH4 • Boron • Sodium Absorption Ratio • ElectricalConductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	• Yield of water sources to be measured during critical season • Standard methodology for collection of surface water (BIS standards)	
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.		
Traffic Study			
Type of vehicles • Frequency of vehicles for transportation of materials • Additional traffic due to proposed project	Land Environment		
Soil • Particle size distribution • Texture	Soil samples be collected as per BIS specifications		

• pH • Electrical conductivity • Cation exchange capacity • Alkali metals • Sodium Absorption Ratio (SAR) • Permeability • Water holding capacity • Porosity	
Land use/Landscape • Location code • Total project area • Topography • Drainage (natural) • Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries • Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and	• Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.

	endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes													
	socio-economic													
	Demographic structure • Infrastructure resource base • Economic resource base • Health status:Morbidity pattern • Cultural and aesthetic attributes. • Education	Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies												
3.	Interpretation of each environment attribute shall be enumerated and summarized as given below: • Ambient air quality • Ambient Noise quality • Surface water quality • Ground water quality • Soil quality • Biological Environment • Land use • Socio-economic environment													
4.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.													
Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)														
1.	Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components <table><tr><th>Activity</th><th>Environment</th><th>Ecological</th><th>Socio-economic</th></tr><tr><td>Construction phase</td><td></td><td></td><td></td></tr><tr><td>Operation phase</td><td></td><td></td><td></td></tr></table>		Activity	Environment	Ecological	Socio-economic	Construction phase				Operation phase			
Activity	Environment	Ecological	Socio-economic											
Construction phase														
Operation phase														
2.	Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase • Details of stack emissions from the existing as well as proposed activity. • Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period • Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.													
3.	Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase													
4.	Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual													

	impact) a. Construction phase b. Operation phase
5.	Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
6.	Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
7.	Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
8.	Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
9.	Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
10.	Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
11.	Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
Analysis of Alternatives (Technology & Site)	
1.	No project scenario
2.	Site alternative
3.	Technical and social concerns
4.	Conclusion
Environmental Monitoring Program	
1.	Details of the Environment Management Cell
2.	Performance monitoring schedule for all pollution control devices shall be furnished.
3.	Corporate Environment Policy - Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. - Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA. - What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. Page 9 of 10 - Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

4.	Action plan for post-project environment monitoring matrix:						
	Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility	
	Construction phase						
	Operation phase						
Additional Studies							
1.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.						
2.	Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.						
3.	Implementation status/measures adopted for avoiding the generation of single used plastic waste.						
4.	In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be submitted.						
5.	Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).						
6.	As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.						
7.	Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020						
	S.No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
		Name of the Activity	Physical Targets	1st	2nd	3rd	
8.	Risk assessment						

	• Methodology • Hazard identification • Frequency analysis • Consequence analysis • Risk assessment outcome
9.	Emergency response and preparedness plan
Project Benefits	
1.	Environment benefits
2.	Social infrastructure
3.	Employment and business opportunity
4.	Other tangible benefits
Environment Cost Benefit Analysis	
1.	Net present value
2.	Internal rate of return
3.	Benefit cost ratio
4.	Cost effectiveness analysis
Environment Management Plan (Construction and Operation phase)	
1.	Air quality management plan
2.	Noise quality management plan
3.	Action plan for hazardous waste management
4.	Action plan for solid waste management
5.	Action plan for e-waste management.
6.	Action plan for plastic waste management, considering the Plastic Waste Management Rules 2016.
7.	Action plan for construction and demolition waste management.
8.	Effluent management plan
9.	Storm water management plan
10.	Rain water harvesting plan

1 1.	Plan for maximum usage of waste water/treated water in the Unit
1 2.	Occupational health and safety management plan
1 3.	Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.
1 4.	Socio-economic management plan
1 5.	Wildlife conservation plan (In case of presence of schedule I species)
1 6.	Total capital cost and recurring cost/annum for environment pollution control measures shall be included.
1 7.	Explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal.
1 8.	An Action Plan for improving the house-keeping activities in the raw material handling area need to be submitted
1 9.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
2 0.	Action plan to limit the dust emission from all the stacks below 30 mg/Nm ³ shall be furnished.
2 1.	Action plan for fugitive emission control in the plant premises shall be provided.
Conclusion of the EIA study	
1.	null
In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received a ny notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Wat er Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	
1.	null
Air cooled condensers shall be used in the power plant.	
1.	null
Details of Dry Ash handling system along with supplementary coal handling system shall be submitted.	

1.	null
Plan for transportation of coal shall be submitted.	
1.	null
Plan along with technical details of SCR shall be submitted.	
1.	null
In case of expansion project, Status of Ash Utilization of previous years (up to 5 years), action plan for 100% ash utilization along with timeline need to be submitted	
1.	null
null	
1.	Limestone and coal linkage documents along with the status of environment clearance of limestone and coal mines.
2.	Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
3.	Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
4.	If the raw materials used have trace elements, an environment management plan shall also be included.
5.	Plan for the implementation of the recommendations made for the cement plants in the Corporate Responsibility for Environmental Protection (CREP) guidelines shall be prepared.
6.	Energy consumption per ton of clinker and cement grinding
7.	Provision of waste heat recovery boiler
8.	Arrangement for co-processing of hazardous waste in cement plant.
9.	Provision of Alternate fuels.
10.	Details of Implementation of Fly Ash Management Rules
11.	Emission/Effluent norms as per GSR 496 (E) dated 9/5/2016 [EPA Rules 1986].
12.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
13.	Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm3 shall be furnished.
1	PP shall explore the possibility of plastic waste utilization in the Plant/Unit process.

4.	
1 5.	Action plan for 100 % solid waste utilization shall be submitted.
1 6.	PM (PM10 and P2.5) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM10 to be carried over.

3.6. Agenda Item No 6:

3.6.1. Details of the proposal

Ferro Alloys (Si-Mn / Fe-Mn) Manufacturing Unit at P.H. No. 00014, Part of Khasra No. 97/1 and Part of Khasra No. 97/2, Village: Singardih, Tehsil: Bhimbauri, District: Bemetara, Chhattisgarh by M/s Hira Power & Steels Limited by HIRA POWER AND STEELS LIMITED located at BEMETARA, CHHATTISGARH			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/CG/IND1/573245/2026	IA-J-11011/118/2026-I A-II(Ind-I)	02/05/2026	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

3.6.2. Project Salient Features

[Proposal no.: IA/CG/IND1/573245/2026; File No. IA-J-11011/118/2026-IA-II (Ind-I)] [Consultant: Eco Orbit Consultancy Pvt Ltd.; Valid upto: 08.01.2027]			
S No	Requirement	Reply/Justification	
1	Requirement as per GSR 62 and 63 dated 23.01.2026. Project Proponent may provide a village-wise information on environmental safeguards and mitigation measures for habitations falling within 3km radial distance. This shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. PP may indicate environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. This shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.	The proposed Ferro Alloys Manufacturing Project is located at Gram Panchayat Gadamor, Tehsil Bhimbauri, District Bemetara, Chhattisgarh, in a predominantly rural setting characterized by agricultural land and low population density. A detailed assessment of environmental receptors, habitation patterns, and sensitive locations within the study area has been carried out in accordance with the requirements of GSR 62 & 63 dated 23.01.2026. The findings clearly indicate that the project is situated in a low-sensitivity environmental zone, and adequate safeguards have been incorporated to ensure that impacts on nearby habitations remain minimal and well within regulatory limits. Detailed Sensitivity Map along with Census data of 3 Km as well as 3-10 Km has been submitted.. The detailed analysis and mitigation framework has been submitted.	

S No	Requirement	Reply/Justification
2	Alternate site analysis, proposal presentation, water permission, SOI Toposheet, authorisation letter in the name of the applicant, monitoring location maps. No Alternate site analysis has been done which is a mandatory requirement for the green field project. PP may also upload proposal presentation, water permission, SOI Toposheet, authorisation letter in the name of the applicant etc. which are essential for consideration of proposal. PP may upload Map showing the monitoring locations under section 22 of Part-A	In compliance with the query raised, it is submitted that a comparative alternate site analysis has been carried out, and the most suitable site has been selected based on environmental, technical, and socio-economic considerations. Alternate Site Analysis In addition to the selected project site, two other potential sites were identified and evaluated. The details of the sites considered are as follows: Site 1: P.H. No. 00015, Khasra No. 1460/1, Gram Tendubhata, Tehsil Magarlod, District Dhamtari, Chhattisgarh Site 2: Bendri (Urla area), Raipur, Chhattisgarh Site 3 (Selected Site): P.H. No. 00014, Part of Khasra No. 97/1 and 97/2, Gram Panchayat Gadamor, Tehsil Bimbhauri, District Bemetara, Chhattisgarh Basis for Selection of Proposed Site After detailed evaluation, Site No. 3 has been selected as the most suitable location due to the following reasons: Site 1 (Tendubhata, Dhamtari): - Located in proximity to dense forest areas, posing ecological sensitivity concerns - Presence of Margarlod village (~1 km distance) with relatively higher population density - Potential environmental and social impacts were considered significant Site 2 (Bendri, Raipur): - Located near a critically polluted industrial area (Urla industrial belt). - Proximity to Kharun River, increasing risk of environmental impact on surface water bodies - High cumulative pollution load and regulatory constraints Site 3 (Gadamor, Bemetara) - Selected Site: - Located in a non-industrial, low pollution zone - Predominantly surrounded by agricultural land with sparse habitation - No proximity to forests, critically polluted areas, or major water bodies - Minimal environmental and social sensitivity - Better suitability in terms of environmental compliance, logistics, and long-term sustainability Thus, the selected site offers the least environmental impact and highest feasibility, making it the most appropriate choice for the proposed project. The comparative location map, SOI toposheet, and environmental sensitivity mapping has been submitted. Submission of Required Documents In compliance with the query, the following documents have been submitted: - Proposal Presentation: has been submitted. - SOI Toposheet (with project location): has been submitted. - Authorization Letter in the name of the applicant: has been submitted. - Monitoring Location Map (Air/Water/Noise/Soil):

S No	Requirement	Reply/Justification
		has been submitted. Also uploaded under Section 22 of Part-A (Form-1) The alternate site analysis has been duly carried out, and all required supporting documents have been submitted. The selected site at Gadamor, Bemetara is environmentally suitable and complies with regulatory requirements, ensuring minimal ecological and social impact.
3	Required Document not uploaded by project proponent, Land-related documents Refer To: (Form 1 Part A - Land Acquisition Details) Credible document for acquisition of private land. The status of land acquisition may be submitted	In response to the observation regarding submission of credible land acquisition documents, it is submitted that the proposed project requires a total land area of 35.5 hectares, which is being acquired through the competent government authority. Out of the total land requirement: 7.5 hectares of land (part of Khasra No. 97/2) - Payment has already been made to the concerned department - Demand note has been complied with - The process of final allotment/possession is under progress - Remaining land (approx. 28.0 hectares) (part of Khasra No. 97/1 and adjoining areas) - Is under active acquisition process with the concerned authority - Applications have been submitted and are under consideration - All statutory procedures for allotment and possession are being duly followed The land is government land, and no private land acquisition or displacement is involved. Detailed land acquisition status, including application references, demand note compliance, and processing status, has been submitted. The land acquisition process is at an advanced stage, with partial payment completed and the balance land under processing. The project proponent confirms that: - Full land possession will be obtained prior to construction - All procedures are being carried out in compliance with applicable government norms
4	Status of collection of baseline data. Complete three-month baseline data is required as per OM 08.06.2022	In compliance with the requirements of MoEF&CC Office Memorandum dated 08.06.2022, it is submitted that the baseline environmental monitoring study has been undertaken for one full season (three months) covering all relevant environmental components. The baseline data collection has been carried out in accordance with the Standard Terms of Reference (ToR) and includes the

[illegible]

Particular			Configuration and Capacity					
Fe-Mn			3,36,000 TPA					
CLU (Secondary Refining)			60,000 TPA					
Captive Power through Waste Heat Recovery Boiler			2 X 10 MW					
Raw Material		Total after Implementation						
Manganese Ore		8,40,000						
Coal		2,11,680						
Coke		70,560						
Dolomite		84,000						
Carbon Paste		10,080						
Iron		33,600						
Ferro Slag		2,68,800						
High Carbon Ferro Alloy		59,580						
Calcined Lime		3,840						
Calcined Dolomite		2,160						
Si Mn Fines		9,000						
Fe Si Fines		3,000						
S. No.	Raw Material	Supplier	Location of Dis patch	Mode of Transport	Distance from HPSL			
1	Manganese Ore	MOIL	Chandrapur	Rail/Road	345 KM			
		Sandur	Sandur	Rail/Road	1,203 KM			
		Imported	Vishakhapatnam	Rail/Road	564 KM			
2	Coal	SECL	Raigarh	Rail/Road	268 KM			
			Korba	Rail/Road	222 KM			
			Ambikapur	Rail/Road	345 KM			

S. No.	Raw Material	Supplier	Location of Dis patch	Mode of Transpor t	Distance fr om HPSL		
			Churcha	Rail	325 KM		
		WCL	Nagpur	Rail/Road	290 KM		
		CCL	Ranchi	Rail/Road	566 KM		
		NCL	Singrauli	Rail/Road	470 KM		
		Imported	Vishakhapatnam	Rail/Road	564 KM		
3	Coke	Luky Coke	Dhanbad	Road	734 KM		
		Metro Hard	Dhanbad	Road	734 KM		
		Adhunik Fuels	Dhanbad	Road	734 KM		
		Shubh Sales	Dhanbad	Road	734 KM		
		Bangal Energy	Kharagpur	Road	724 KM		
4	Carbon Electr ode Paste	Maharashtra Carbon	Chandrapur	Road	345 KM		
		Balaji Carbon	Raipur	Road	18 KM		
5	Dolomite	Shri Shaym Industries	Durg	Road	18 KM		
		P.R. Commercial	Bhilai	Road	30 KM		
6	Quartz	NC Nahar	Bhilai	Road	44 KM		
7	Lime Calcined	Rajasthan Lime	Jodhpur	Road	1273 KM		
		Raj Chemicals	Nagpur	Road	290 KM		
8	Dolo Calcined	Poddar Lime	Chandrapur	Road	345 KM		

met through surface water sources, while domestic needs will be fulfilled through groundwater supply. The EAC opined that PP shall secure necessary permission from the Competent Authority.

- vii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

3.6.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.6.6. Details of Terms of Reference

3.6.6.1. Specific

Specific	
1.	PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
2.	Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
3.	PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
4.	There are water bodies within the study area of the project site. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
5.	
6.	Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation
7.	The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly,

	children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
8.	Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
9.	The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
10.	Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
11.	Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
12.	The "make-up" water required during the operation be reported, without any ambiguity.
13.	The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
14.	An action plan must be drawn up and implemented for maximum harvesting of rain water.
15.	The "input" parameters used in the AAQ modelling, and the "inversion height" and "mixing height" be reported, without any ambiguity.
16.	PP shall present the "Social & Environment Cost Benefit " analysis in the EIA report and EC appraisal.
17.	Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
18.	PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
19.	PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

3.6.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Preliminary requirements	
1.	EIA/EMP report cover page shall consists of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.
2.	Besides, following points shall be compiled as per QCI/NABET norms: a. Disclaimer by the EIA consultant. b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person. c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report. d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC. e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.
Executive Summary	
1.	Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
2.	Point wise compliance to the ToR issued by MoEF&CC.
3.	Name of the project along with applicable schedule and category as per EIA, 2006.
4.	Location and accessibility
5.	Resource requirements (Land; water; fuel; manpower)
6.	Operational activity
7.	Key pollution concerns
8.	Ambient air quality
9.	Ambient Noise quality
10.	Traffic study
11.	Surface water quality
12.	Ground water quality
13.	Soil quality
14.	Biological Environment
15.	Land use

5.	
1 6.	Socio-economic environment
1 7.	Impact on ambient air quality
1 8.	Impact on ambient noise quality
1 9.	Impact on road and traffic
2 0.	Impact on surface water resource and quality
2 1.	Impact on ground water resource and quality
2 2.	Impact on terrestrial and aquatic habitat
2 3.	Impact on socio-economic environment
2 4.	null
2 5.	Ambient air, noise, water and soil quality
2 6.	Noise quality management plan
2 7.	Emission and discharge from the plant
2 8.	Green Belt
2 9.	Social Parameters
3 0.	Risk assessment
3 1.	Public consultation
3 2.	Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020

3 3.	null
3 4.	Air quality management plan
3 5.	Noise quality management plan
3 6.	Solid and hazardous waste management plan
3 7.	Effluent management plan
3 8.	Storm water management plan
3 9.	Occupational health and safety management plan
4 0.	Green belt development plan
4 1.	Socio-economic management plan
4 2.	Project cost and EMP implementation budget.
Introduction	
1.	Background about the project
2.	Need of the project
3.	Purpose of the EIA study
4.	Scope of the EIA study
Project description	
1.	Location of the project site covering village, Taluka/Tehsil, District and State.
2.	Site accessibility
3.	A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
4.	Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.

5.	Environment settings of the site and its surrounding along with map.
6.	A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
7.	In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
8.	In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
9.	In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off calculations, disposal etc. A robust and full proof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
10.	Type of land, land use of the project site needs to be submitted.
11.	Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
12.	Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
13.	Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with calculations mentioning about GW recharge along with relevant drawing.
14.	A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
15.	Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.
16.	Status of Forest Clearance for the use of forest land shall be submitted.
17.	Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
18.	The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent

	shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
1 9.	Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.
2 0.	Products with capacities in Tons per Annum for the proposed project.
2 1.	If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
2 2.	Site preparatory activities.
2 3.	List of raw materials required and their source along with mode of transportation.
2 4.	Other than raw materials, other chemicals and materials required with quantities and storage capacities.
2 5.	Manufacturing process details along with process flow diagram of proposed units.
2 6.	Consolidated materials and energy balance for the project.
2 7.	Total requirement of surface/ ground water and power with their respective sources, status of approval.
2 8.	Water balance diagram
2 9.	Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
3 0.	Man-power requirement.
3 1.	Cost of project and scheduled time of completion.
3 2.	In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
3 3.	Brief on present status of compliance (Expansion/modernization proposals) a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. b. Cumulative Impact Assessment need to be carried out by greenfield projects considering the nearby industries. c. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. d. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as

per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection. e. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.

Description of the Environment

1. Study period

Approach and methodology for data collection as furnished below

Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards,CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the

			NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per norms	CPCB
Water			
Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		

- Phyto plankton - Zoo plankton		
For River Bodies - Total Carbon - pH - Dissolved Oxygen - Biological Oxygen Demand - Free NH4 - Boron - Sodium Absorption Ratio - Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	- Yield of water sources to be measured during critical season - Standard methodology for collection of surface water (BIS standards)
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.	
Traffic Study		
Type of vehicles - Frequency of vehicles for transportation of materials - Additional traffic due to proposed project	Land Environment	
Soil - Particle size distribution - Texture - pH - Electrical conductivity - Cation exchange capacity - Alkali metals - Sodium Absorption Ratio (SAR) - Permeability - Water holding capacity - Porosity	Soil samples be collected as per BIS specifications	
Land use/Landscape - Location code - Total project area - Topography - Drainage (natural) - Cultivated,		

forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries • Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes	• Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.
socio-economic	
Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes.	Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies

- Education

Approach and methodology for data collection as furnished below

Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement

			for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per CPCB norms	
Water			
Parameters for water quality	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		
- pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms - Phyto plankton - Zoo plankton			
For River Bodies	- Total Carbon - pH - Dissolved Oxygen - Biological Oxygen Demand - Free NH4 - Boron - Sodium Absorption Ratio - Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	- Yield of water sources to be measured during critical season - Standard methodology for collection of surface water (BIS standards)

For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.
Traffic Study	
Type of vehicles - Frequency of vehicles for transportation of materials - Additional traffic due to proposed project	Land Environment
Soil - Particle size distribution - Texture - pH - Electrical conductivity - Cation exchange capacity - Alkali metals - Sodium Absorption Ratio (SAR) - Permeability - Water holding capacity - Porosity	Soil samples be collected as per BIS specifications
Land use/Landscape - Location code - Total project area - Topography - Drainage (natural) Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic - Primary productivity - Aquatic weeds - Enumeration of phyto plankton, zoo plankton and benthos - Fisheries Diversity indices - Trophic levels	- Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. - Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site.

	• Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.				
	socio-economic				
	Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes. • Education Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies				
3.	Interpretation of each environment attribute shall be enumerated and summarized as given below: • Ambient air quality • Ambient Noise quality • Surface water quality • Ground water quality • Soil quality • Biological Environment • Land use • Socio-economic environment				
4.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.				
Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)					
1.	Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components <table><tr><td>Activity</td><td>Environment</td><td>Ecological</td><td>Socio-economic</td></tr></table>	Activity	Environment	Ecological	Socio-economic
Activity	Environment	Ecological	Socio-economic		

	<table><tr><td>Construction phase</td><td></td><td></td><td></td></tr><tr><td>Operation phase</td><td></td><td></td><td></td></tr></table>	Construction phase				Operation phase			
Construction phase									
Operation phase									
2.	Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase • Details of stack emissions from the existing as well as proposed activity. • Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period • Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.								
3.	Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
4.	Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
5.	Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
6.	Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
7.	Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
8.	Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
9.	Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
10.	Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
11.	Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
Analysis of Alternatives (Technology & Site)									
1.	No project scenario								
2.	Site alternative								
3.	Technical and social concerns								
4.	Conclusion								
Environmental Monitoring Program									
1.	Details of the Environment Management Cell								

2.	Performance monitoring schedule for all pollution control devices shall be furnished.																														
3.	Corporate Environment Policy a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA. c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. Page 9 of 10 d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report																														
4.	Action plan for post-project environment monitoring matrix: <table><tr><th>Activity</th><th>Aspect</th><th>Monitoring Parameter</th><th>Location</th><th>Frequency</th><th>Responsibility</th></tr><tr><td colspan="6">Construction phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="6">Operation phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility	Construction phase												Operation phase											
Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility																										
Construction phase																															
Operation phase																															
Additional Studies																															
1.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.																														
2.	Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.																														
3.	Implementation status/measures adopted for avoiding the generation of single used plastic waste.																														
4.	In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be submitted.																														
5.	Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).																														
6.	As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.																														

7.	Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020						
	S.No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
		Name of the Activity	Physical Targets	1st	2nd	3rd	
8.	Risk assessment • Methodology • Hazard identification • Frequency analysis • Consequence analysis • Risk assessment outcome						
9.	Emergency response and preparedness plan						
Project Benefits							
1.	Environment benefits						
2.	Social infrastructure						
3.	Employment and business opportunity						
4.	Other tangible benefits						
Environment Cost Benefit Analysis							
1.	Net present value						
2.	Internal rate of return						
3.	Benefit cost ratio						
4.	Cost effectiveness analysis						
Environment Management Plan (Construction and Operation phase)							
1.	Air quality management plan						
2.	Noise quality management plan						
3.	Action plan for hazardous waste management						

4.	Action plan for solid waste management
5.	Action plan for e-waste management.
6.	Action plan for plastic waste management, considering the Plastic Waste Management Rules 2016.
7.	Action plan for construction and demolition waste management.
8.	Effluent management plan
9.	Storm water management plan
10.	Rain water harvesting plan
11.	Plan for maximum usage of waste water/treated water in the Unit
12.	Occupational health and safety management plan
13.	Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.
14.	Socio-economic management plan
15.	Wildlife conservation plan (In case of presence of schedule I species)
16.	Total capital cost and recurring cost/annum for environment pollution control measures shall be included.
17.	Explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal.
18.	An Action Plan for improving the house-keeping activities in the raw material handling area need to be submitted
19.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
20.	Action plan to limit the dust emission from all the stacks below 30 mg/Nm ³ shall be furnished.
21.	Action plan for fugitive emission control in the plant premises shall be provided.
Conclusion of the EIA study	

1.	null
In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received a ny notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Wat er Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	
1.	null
Air cooled condensers shall be used in the power plant.	
1.	null
Details of Dry Ash handling system along with supplementary coal handling system shall be submitted.	
1.	null
Plan for transportation of coal shall be submitted.	
1.	null
Plan along with technical details of SCR shall be submitted.	
1.	null
In case of expansion project, Status of Ash Utilization of previous years (up to 5 years), action plan for 1 00% ash utilization along with timeline need to be submitted	
1.	null
null	
1.	A 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
2.	Plan for the implementation of the recommendations made for the proposed Unit in the Corporate Responsibility for Environmental Protection (CREP) guidelines.
3.	Plan for solid wastes utilization.
4.	Plan for utilization of energy in off gases (coke oven, blast furnace)
5.	System of coke quenching adopted with full justification.
6.	Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
7.	Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
8.	Details on toxic content using Toxicity Characteristic Leaching Procedure (TCLP), composition and end use of slag.

9.	100 % dolo char generated in the plant shall be used to generate power.
10.	Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
11.	No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
12.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
13.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be submitted.
14.	Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm3 shall be furnished.
15.	Action plan for 100 % solid waste utilization shall be submitted.
16.	PM (PM10 and P2.5) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM10 to be carried over.
17.	Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019 [EPA Rules 1986].

3.7. Agenda Item No 7:

3.7.1. Details of the proposal

Expansion of Ferro Alloys Plant by Addition of 2 X 16.5 MVA SAF with Existing 1 X 12.5 MVA & 1 X9 MV A SAF to Produce Different Alloys with Existing Plant by OSWAL SMELTERS PRIVATE LIMITED located at ANANTAPUR,ANDHRA PRADESH			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/AP/IND1/567121/2026	J-11011/643/2008.IA.I I(I)	01/05/2026	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

3.7.2. Project Salient Features

[Proposal no.: IA/AP/IND1/567121/2026; File No. IA-J-11011/643/2008-IA-II (I)] [Consultant: Eco Orbit Consultancy Pvt Ltd.; Valid upto: 08.01.2027]			

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		<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>																	
Product/SAF	As per E C dated 10.02.20 20 (1)	As per CFO	Additional Propo sed	After Expansion															
		(2)	(3)	(4 = 2 + 3)															
Furnace Configuration (MVA)																			
SAF	3 x 12.5 MVA	1 x 12.5 MVA, 1 x9 MVA	2 x 16.5 MVA	1 x 9 MVA, 1 x 1 2.5 MVA, 2 x 16. 5 MVA															
Production Capacity (TPA)																			
Si-Mn or	50000	26000	74000	100000															
Fe-Mn or	61700	32900	92100	125000															
Fe-Si or	33200	18000	31500	49500															
Fe-Mo or	1200	13000	2000	15000															
Fe-Ti or	1200		(-)8000	5000															
Fe-V or	1200		2000	15000															
MC Fe-Mn or	3000		(-)8000	5000															
LC Fe-Mn or	3000		(-)8000	5000															
Fe-Nb or	1200		(-)3000	10000															
Fe-Si-Zr or	1000		(-)8000	5000															

Fe-B or	1200		(-)8000	5000
Corded Wire	0	4000	6000	10000
Pig Iron	0	0	165000	165000
LC Fe-Chrome	0	0	15000	15000
Maximum Product Approved	78,700	78,700	46,300	1,25,000

S r. No.	Raw Material	Existing Requirement (TPA)	Additional Requirement (TPA)	Total After Expansion (TPA)	Source	Max. Road Travelled Distance (km)	Mode of Transportation
1	Manganese Ore	1,43,960	4,06,040	5,50,000	Mining / Import	1000	By Road
2	Iron Ore	0	1,63,350	1,63,350	Mining / Import	1000	By Road
3	Iron Ore Fines	0	18,150	18,150	Mining / Import	1000	By Road
4	Chrome Ore	0	24,750	24,750	Import	500	By Road
5	Zircon Sand	12,311	4,735	17,046	Import	500	By Road
6	Ilmenite	15,470	5,950	21,420	Local	500	By Road
7	Niobium Pentoxide	12,630	11,900	24,530	Import	500	By Road
8	Vanadium Pentoxide	13,000	15,000	28,000	Import	500	By Road
9	Boric Oxide	6,526	2,510	9,036	Local	500	By Road
10	Roasted Molybdenum	13,000	15,000	28,000	Import	500	By Road
11	Quartz	40,900	1,28,783	1,69,683	Local	200	By Road

S r. N o.	Raw Material	Existing Re quirement (TPA)	Additional Requiremen t (TPA)	Total Afte r Expansio n (TPA)	Source	Max. Road Travelled Distance (km)	Mode o f Trans portati on
1 2	Coke / Pearl Co ke	52,445	1,09,675	1,62,120	Local / I mport	500	By Roa d
1 3	Coal / Steam C oal	30,140	1,56,700	1,86,840	Local	300	By Roa d
1 4	Charcoal	33,864	68,375	1,02,239	Local	300	By Roa d
1 5	Silico Chrome	0	10,080	10,080	Import	500	By Roa d
1 6	Ferro Silicon (a s reductant)	5,200	6,000	11,200	Own G enerate d	0	By Roa d
1 7	Aluminium Pow der	57,200	35,800	93,000	Local	700	By Roa d
1 8	Mill Scale	30,169	1,01,240	1,31,409	Local	15	By Roa d
1 9	Iron Chips / Scr ap	17,810	15,004	32,814	Local	15	By Roa d
2 0	Dolomite / Lime stone / Lime	36,452	1,17,570	1,54,022	Local	500-700	By Roa d
2 1	Fluorspar	3,010	3,900	6,910	Local	700	By Roa d
2 2	Electrode Paste	2,698	8,747	11,445	Local / Regiona l	300	By Roa d
2 3	Mild Steel Strip (Cored Wire)	2,800	7,000	9,800	Local	15	By Roa d
2 4	Alloy Powder / Flux (Cored Wir e)	1,120	2,800	3,920	Local / I mport	500	By Roa d
2 5	Binding / Lubric ants / Adhesive s	20	50	70	Local	200	By Roa d
2	Packaging Mate	80	200	280	Local	200	By Roa

S r. N o.	Raw Material	Existing Re quirement (TPA)	Additional Requiremen t (TPA)	Total Afte r Expansio n (TPA)	Source	Max. Road Travelled Distance (km)	Mode o f Trans portati on
6	rial						d

3.7.3. Deliberations by the committee in previous meetings

N/A

3.7.4. Deliberations by the EAC in current meetings

Deliberation by the Committee

- The instant proposal is for expansion of Ferro Alloys Plant by Addition of 2 X 16.5 MVA SAF along with existing 1 X 12.5 MVA & 1 X9 MVA SAF to produce different Alloys within existing plant premises.
- The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- The total project land is 35.47 Acres, which is an industrial land and under the possession of the company.
- The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearby habitations include Gollapuram village at about 0.99 km in the south-east direction, Hunasenhalli village at about 1.27 km in the north-east direction along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- The Committee noted that there are water bodies within the study area of the project site, including Penner River at about 3.31 km in the west direction. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- With the proposed expansion, the total freshwater requirement will increase to 506 KLD, which will be met through APIIC water supply supplemented by authorized tanker supply, as required. Water requirement for green belt development will be met partly through fresh water and partly through treated sewage from the Sewage Treatment Plant (STP), thereby optimizing freshwater consumption. PP shall secure necessary permission from the Competent Authority.
- The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan

for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

3.7.5. Recommendation of EAC

Recommended

3.7.6. Details of Terms of Reference

3.7.6.1. Specific

Specific	
1.	PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
2.	Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
3.	PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
4.	There are water bodies within the study area of the project site, including Penner River at about 3.31 km in the west direction. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
5.	With the proposed expansion, the total freshwater requirement will increase to 506 KLD, which will be met through APIIC water supply supplemented by authorized tanker supply, as required. Water requirement for green belt development will be met partly through fresh water and partly through treated sewage from the Sewage Treatment Plant (STP), thereby optimizing freshwater consumption. PP shall secure necessary permission from the Competent Authority.
6.	Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
7.	The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii)

	addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
8.	Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
9.	The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
10.	Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
11.	Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
12.	The “make-up” water required during the operation be reported, without any ambiguity.
13.	The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
14.	An action plan must be drawn up and implemented for maximum harvesting of rain water.
15.	The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
16.	PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
17.	Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
18.	PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
19.	PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

3.7.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Preliminary requirements	
1.	EIA/EMP report cover page shall consists of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.
2.	Besides, following points shall be compiled as per QCI/NABET norms: a. Disclaimer by the EIA consultant. b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person. c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report. d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC. e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.
Executive Summary	
1.	Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
2.	Point wise compliance to the ToR issued by MoEF&CC.
3.	Name of the project along with applicable schedule and category as per EIA, 2006.
4.	Location and accessibility
5.	Resource requirements (Land; water; fuel; manpower)
6.	Operational activity
7.	Key pollution concerns
8.	Ambient air quality
9.	Ambient Noise quality
10.	Traffic study
11.	Surface water quality
12.	Ground water quality
13.	Soil quality
14.	Biological Environment
15.	Land use

5.	
1 6.	Socio-economic environment
1 7.	Impact on ambient air quality
1 8.	Impact on ambient noise quality
1 9.	Impact on road and traffic
2 0.	Impact on surface water resource and quality
2 1.	Impact on ground water resource and quality
2 2.	Impact on terrestrial and aquatic habitat
2 3.	Impact on socio-economic environment
2 4.	null
2 5.	Ambient air, noise, water and soil quality
2 6.	Noise quality management plan
2 7.	Emission and discharge from the plant
2 8.	Green Belt
2 9.	Social Parameters
3 0.	Risk assessment
3 1.	Public consultation
3 2.	Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020

3 3.	null
3 4.	Air quality management plan
3 5.	Noise quality management plan
3 6.	Solid and hazardous waste management plan
3 7.	Effluent management plan
3 8.	Storm water management plan
3 9.	Occupational health and safety management plan
4 0.	Green belt development plan
4 1.	Socio-economic management plan
4 2.	Project cost and EMP implementation budget.
Introduction	
1.	Background about the project
2.	Need of the project
3.	Purpose of the EIA study
4.	Scope of the EIA study
Project description	
1.	Location of the project site covering village, Taluka/Tehsil, District and State.
2.	Site accessibility
3.	A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
4.	Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.

5.	Environment settings of the site and its surrounding along with map.
6.	A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
7.	In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
8.	In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
9.	In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off calculations, disposal etc. A robust and full proof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
10.	Type of land, land use of the project site needs to be submitted.
11.	Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
12.	Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
13.	Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with calculations mentioning about GW recharge along with relevant drawing.
14.	A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
15.	Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.
16.	Status of Forest Clearance for the use of forest land shall be submitted.
17.	Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
18.	The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent

	shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
1 9.	Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.
2 0.	Products with capacities in Tons per Annum for the proposed project.
2 1.	If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
2 2.	Site preparatory activities.
2 3.	List of raw materials required and their source along with mode of transportation.
2 4.	Other than raw materials, other chemicals and materials required with quantities and storage capacities.
2 5.	Manufacturing process details along with process flow diagram of proposed units.
2 6.	Consolidated materials and energy balance for the project.
2 7.	Total requirement of surface/ ground water and power with their respective sources, status of approval.
2 8.	Water balance diagram
2 9.	Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
3 0.	Man-power requirement.
3 1.	Cost of project and scheduled time of completion.
3 2.	In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
3 3.	Brief on present status of compliance (Expansion/modernization proposals) a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. b. Cumulative Impact Assessment need to be carried out by greenfield projects considering the nearby industries. c. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. d. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as

per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection. e. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.

Description of the Environment

1. Study period

Approach and methodology for data collection as furnished below

Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological ● Wind speed (Hourly) ● Wind direction ● Dry bulb temperature ● Wet bulb temperature ● Relative humidity ● Rainfall ● Solar radiation ● Cloud cover ● Environmental ● Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 ● Site specific primary data is essential ● Secondary data from IMD, New Delhi ● CPCB guidelines to be considered.
Pollutants ● PM10 ● SO2 ● NOx ● CO ● HC ● Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards,CPCB Notification.	● Sampling as per CPCB guidelines ● Collection of AAQ data (except in monsoon season) ● Locations of various stations for different parameters should be related to the characteristic properties of the parameters. ● The monitoring stations shall be based on the

			NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per norms	CPCB
Water			
Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		

- Phyto plankton - Zoo plankton		
For River Bodies - Total Carbon - pH - Dissolved Oxygen - Biological Oxygen Demand - Free NH4 - Boron - Sodium Absorption Ratio - Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	- Yield of water sources to be measured during critical season - Standard methodology for collection of surface water (BIS standards)
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.	
Traffic Study		
Type of vehicles - Frequency of vehicles for transportation of materials - Additional traffic due to proposed project	Land Environment	
Soil - Particle size distribution - Texture - pH - Electrical conductivity - Cation exchange capacity - Alkali metals - Sodium Absorption Ratio (SAR) - Permeability - Water holding capacity - Porosity	Soil samples be collected as per BIS specifications	
Land use/Landscape - Location code - Total project area - Topography - Drainage (natural) - Cultivated,		

forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries • Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes	• Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.
socio-economic	
Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes.	Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies

- Education

Approach and methodology for data collection as furnished below

Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement

			for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per CPCB norms	
Water			
Parameters for water quality	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		
For River Bodies - Total Carbon - pH - Dissolved Oxygen - Biological Oxygen Demand - Free NH4 - Boron - Sodium Absorption Ratio - Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	- Yield of water sources to be measured during critical season - Standard methodology for collection of surface water (BIS standards)	

For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.
Traffic Study	
Type of vehicles - Frequency of vehicles for transportation of materials - Additional traffic due to proposed project	Land Environment
Soil - Particle size distribution - Texture - pH - Electrical conductivity - Cation exchange capacity - Alkali metals - Sodium Absorption Ratio (SAR) - Permeability - Water holding capacity - Porosity	Soil samples be collected as per BIS specifications
Land use/Landscape - Location code - Total project area - Topography - Drainage (natural) Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic - Primary productivity - Aquatic weeds - Enumeration of phyto plankton, zoo plankton and benthos - Fisheries Diversity indices - Trophic levels	- Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. - Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site.

	• Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes	• For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.		
	socio-economic			
	Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes. • Education	Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies		
3.	Interpretation of each environment attribute shall be enumerated and summarized as given below: • Ambient air quality • Ambient Noise quality • Surface water quality • Ground water quality • Soil quality • Biological Environment • Land use • Socio-economic environment			
4.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.			
Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)				
1.	Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components			
	Activity	Environment	Ecological	Socio-economic

	<table><tr><td>Construction phase</td><td></td><td></td><td></td></tr><tr><td>Operation phase</td><td></td><td></td><td></td></tr></table>	Construction phase				Operation phase			
Construction phase									
Operation phase									
2.	Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase • Details of stack emissions from the existing as well as proposed activity. • Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period • Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.								
3.	Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
4.	Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
5.	Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
6.	Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
7.	Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
8.	Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
9.	Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
10.	Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
11.	Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase								
Analysis of Alternatives (Technology & Site)									
1.	No project scenario								
2.	Site alternative								
3.	Technical and social concerns								
4.	Conclusion								
Environmental Monitoring Program									
1.	Details of the Environment Management Cell								

2.	Performance monitoring schedule for all pollution control devices shall be furnished.																														
3.	Corporate Environment Policy a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA. c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. Page 9 of 10 d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report																														
4.	Action plan for post-project environment monitoring matrix: <table><tr><th>Activity</th><th>Aspect</th><th>Monitoring Parameter</th><th>Location</th><th>Frequency</th><th>Responsibility</th></tr><tr><td colspan="6">Construction phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="6">Operation phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility	Construction phase												Operation phase											
Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility																										
Construction phase																															
Operation phase																															
Additional Studies																															
1.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.																														
2.	Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.																														
3.	Implementation status/measures adopted for avoiding the generation of single used plastic waste.																														
4.	In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be submitted.																														
5.	Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).																														
6.	As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.																														

7.	Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020						
	S.No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
		Name of the Activity	Physical Targets	1st	2nd	3rd	
8.	Risk assessment - Methodology - Hazard identification - Frequency analysis - Consequence analysis - Risk assessment outcome						
9.	Emergency response and preparedness plan						
Project Benefits							
1.	Environment benefits						
2.	Social infrastructure						
3.	Employment and business opportunity						
4.	Other tangible benefits						
Environment Cost Benefit Analysis							
1.	Net present value						
2.	Internal rate of return						
3.	Benefit cost ratio						
4.	Cost effectiveness analysis						
Environment Management Plan (Construction and Operation phase)							
1.	Air quality management plan						
2.	Noise quality management plan						
3.	Action plan for hazardous waste management						

4.	Action plan for solid waste management
5.	Action plan for e-waste management.
6.	Action plan for plastic waste management, considering the Plastic Waste Management Rules 2016.
7.	Action plan for construction and demolition waste management.
8.	Effluent management plan
9.	Storm water management plan
10.	Rain water harvesting plan
11.	Plan for maximum usage of waste water/treated water in the Unit
12.	Occupational health and safety management plan
13.	Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.
14.	Socio-economic management plan
15.	Wildlife conservation plan (In case of presence of schedule I species)
16.	Total capital cost and recurring cost/annum for environment pollution control measures shall be included.
17.	Explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal.
18.	An Action Plan for improving the house-keeping activities in the raw material handling area need to be submitted
19.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
20.	Action plan to limit the dust emission from all the stacks below 30 mg/Nm ³ shall be furnished.
21.	Action plan for fugitive emission control in the plant premises shall be provided.
Conclusion of the EIA study	

1.	null
In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received a ny notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Wat er Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	
1.	null
Air cooled condensers shall be used in the power plant.	
1.	null
Details of Dry Ash handling system along with supplementary coal handling system shall be submitted.	
1.	null
Plan for transportation of coal shall be submitted.	
1.	null
Plan along with technical details of SCR shall be submitted.	
1.	null
In case of expansion project, Status of Ash Utilization of previous years (up to 5 years), action plan for 1 00% ash utilization along with timeline need to be submitted	
1.	null
null	
1.	A 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
2.	Plan for the implementation of the recommendations made for the proposed Unit in the Corporate Responsibility for Environmental Protection (CREP) guidelines.
3.	Plan for solid wastes utilization.
4.	Plan for utilization of energy in off gases (coke oven, blast furnace)
5.	System of coke quenching adopted with full justification.
6.	Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
7.	Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
8.	Details on toxic content using Toxicity Characteristic Leaching Procedure (TCLP), composition and end use of slag.

9.	100 % dolo char generated in the plant shall be used to generate power.
10.	Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
11.	No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
12.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
13.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be submitted.
14.	Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm ³ shall be furnished.
15.	Action plan for 100 % solid waste utilization shall be submitted.
16.	PM (PM ₁₀ and P _{2.5}) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM ₁₀ to be carried over.
17.	Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019 [EPA Rules 1986].

3.8. Agenda Item No 8:

3.8.1. Details of the proposal

ARYAN ISPAT & POWER PRIVATE LIMITED by ARYAN ISPAT AND POWER PRIVATE LIMITED located at SA MBALPUR, ODISHA			
Proposal For		Amendment in EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/OR/IND1/426583/2023	IA-J-13012/60/2007-IA-I (IND-I)	05/12/2023	Metallurgical Industries (ferrous and non ferrous) Integrated Steel Plants (3(a))

3.8.2. Project Salient Features

[Proposal No. IA/OR/IND1/426583/2023; File No. IA-J-13012/60/2007-IA-II(IND-II)]
Written submission:

3.8.3. Deliberations by the committee in previous meetings

Date of EAC 1 :04/01/2024

Deliberations of EAC 1 :

Deliberations by the Committee

1. The Committee noted the following:

1. M/s. Aryan Ispat & Power Pvt. Ltd. was granted Environment Clearance vide File no. - J-13012/2007-IA(II)(I) dated 16th September, 2008 with a reported project area of 105.218 Ha (260 Acre). However, IDCO allotted only 82.78 Ha (204.56 Acre). The EAC suggests that the PP should provide justification for not applying for an amendment to the Environmental Clearance earlier, considering the significant amount of time that has passed.
2. The EAC reviewed the particulars of the requested amendment, wherein the project proponent seeks a reduction in land from 105.218 Ha (260 Acres) to 82.78 Ha (204.56 Acres). Additionally, the PP has indicated the diversion of 12.65 Ha from the total available 82.78 Ha for establishing a standalone 5.0 MTPA coal washery, for which a separate proposal for EC has been applied. The inclusion of the area designated for the standalone coal washery in the current proposal lacks clarity. The EAC recommends that the PP shall revisit their proposal, providing a revised area statement to enhance understanding of the overall project proposal.
3. The EAC advised PP/Consultant to represent the case again with revised proposal presentation.
4. The EAC agreed to the request of PP/Consultant and allowed them to reappear after the revision of the application incorporating the desired information.

Recommendations of the Committee:

1. In view of the foregoing and after detailed deliberations, the committee recommended to **defer the proposal** to address the shortcomings enumerated at para no. 51.21.5 above. The proposal may be considered after submission of the requisite information.

Date of EAC 2 :25/07/2024

Deliberations of EAC 2 :

Deliberation by the Committee

63.1.1 The Committee noted the following:

- i. M/s. Aryan Ispat & Power Pvt. Ltd. was granted Environment Clearance vide File no. - J-13012/2007-IA(II)(I) dated 16th September, 2008 for Expansion of Sponge Iron Plant (1,60,000 to 2,60,000 TPA) and installation of Mini Blast Furnace (1,00,000 TPA), steel Melt Shop (3,00,000 TPA), coal Washery (7,00,000 TPA), captive power Plant (WHRB, 21 MW & FBB 24 MW), located at village & P.O. Bomaloi, District Sambalpur, Odisha.
- ii. The instant proposal is for seeking amendment in Environment Clearance w.r.t. Reduction in land from 105.218 Ha (260 Acre) to 82.78 Ha (204.56 Acre). The PP has further submitted the following reasons for the said amendment:
 - In the granted EC dated 16.09.2008, the total plot area was 105.218 Ha (260 Acre). Out of this, Odisha Industrial Infrastructure Development Corporation (IDCO), a Govt. of Odisha (IDCO) allotted only 82.78 Ha (204.56 Acre).
 - PP has submitted a separate application for the grant of EC for standalone 5.0 MTPA coal washery to be established on 12.65 Ha land from total available 82.78 Ha land.
 - The proposal has been deliberated in the 38th EAC Meeting (Coal Mining Sector) held on 14-15th December, 2022, and as per the minutes of meeting, the committee advised to amend the EC dated 16.09.2008 of existing steel plant for reduction in land area.
 - Total area available for the project under consideration after separation of standalone 5 MTPA coal washery will be 70.13 Ha (82.78 Ha- 12.65 Ha) (173.32 Acre).
- iii. The EAC deliberated on the detailed justification provided by the project proponent and found it satisfactory in the instant case and recommended for amendments in EC accordingly.
- iv. It is further reported that there is no change in the configuration and capacity of the facilities envisaged in the EC.
- v. The EAC deliberated on the ADS reply of the project proponent and found it satisfactory.
- vi. The EAC deliberated on the written submission of the project proponent and found it satisfactory.
- vii. The EAC also suggested that while appraising the project for Coal washery, the EAC (Coal Sector) may consider the cumulative impact of the industrial operations.
- viii. The Member Secretary (Industry-1) also informed the Committee that Compliance & Monitoring Division of MoEF&CC has issued a SCN vide letter no. IA-J-11014/125/2024-IA-I dated 15th July 2024 on the non-compliance observed with respect to the project "Expansion of sponge Iron Plant (1,60,000 to 2,60,000 TPA) and installation of Mini Blast Furnace (1 ,00 ,000 TPA), Steel Melt Shop (3 ,00,000 TPA), Coal Washery (7 ,00 ,000 TPA) , Captive Power Plant (WHRB , 21 & FBB , 24 MW) at village Bomaloi, Tehsil Rengali , Dist-Sambalpur, Odisha by M/s Aryan Ispat & Power Pvt. Ltd". The EAC deliberated and is of the view that PP shall strictly comply with the EC conditions and obtain Closure report from CMD, MoEF&CC.

Recommendations of the Committee

63.1.2 After deliberations, the Committee **recommended** the proposal for amendment in EC granted vide letter File no. J-13012/2007-IA(II)(I) dated 16th September, 2008 **subject to obtaining Closure report on non-compliance from CMD, MoEF&CC, and submission of layout plan clearly delineating the coal washery area and area covered under the instant EC such that the reduced area shall be reflected as 70.13 Ha (excluding coal washery).** . The other terms and conditions of the EC letter dated 16.09.2008 shall remain the same.

Date of EAC 3 :24/02/2026

Deliberations of EAC 3 :

3.8.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

1. The Committee noted that PP has sought for amendment in Environment Clearance accorded by the Ministry vide File no. J-13012/2007-IA(II)(I) dated 16th September, 2008 w.r.t. Reduction in land from 105.218 Ha (260 Acre) to 70.13 Ha (173.32 Acre) [Revised from 82.78 Ha (204.56 Acre) to 70.13 Ha (173.32 Acre) considering exclusion of 12.65 ha on which standalone 5.0 MTPA Coal Washery was established for which separate EC has been obtained].
2. The Committee deliberated in detail on the submissions made by the Project Proponent, including the chronology of events post appraisal in the 63rd EAC meeting, observations of the Integrated Regional Office (IRO), MoEF&CC, Bhubaneswar, proceedings of the Personal Hearing held on 20.02.2025, directions issued therein, Action Taken Report (ATR) submitted by the PP along with supporting documents, and the revised submissions made during the present meeting.
3. The Committee noted that the proposal had earlier been examined in the light of non-compliances observed by the IRO and subsequent Show Cause Notice issued by the Ministry, followed by review of compliance status, conduct of Personal Hearing, and issuance of specific directions to the PP for addressing the gaps. The Committee further noted that the PP has submitted the revised ATR addressing the observations raised during the Personal Hearing and subsequent review by the Ministry.
4. The Committee observed that the PP has taken steps towards compliance of the EC conditions, including installation and integration of monitoring systems, strengthening of pollution control measures, and submission of supporting documents/data. The Committee also took note of the written submissions made by the PP during the meeting, including details of connectivity of stack monitoring systems with CPCB/SPCB servers.
5. After detailed deliberation, the Committee was of the view that the compliance status as submitted by the PP through the revised ATR and supporting documents is broadly satisfactory for the purpose of consideration of the present amendment proposal. The Committee further observed that the amendments sought are administrative/clarificatory in nature and do not involve any change in plant configuration, production capacity, land area, or pollution load
6. The Committee, however, emphasized that the commitments made by the Project Proponent in the ATR and during the course of appraisal shall be strictly implemented in a time-bound manner, and the compliance status shall be monitored by the Integrated Regional Office (IRO), MoEF&CC, Bhubaneswar. The PP shall submit periodic compliance reports along with supporting documents to the IRO and the Ministry for review.
7. The Committee also deliberated on the revised layout plan submitted by PP delineating the coal washery area and the area covered under the instant EC and found it satisfactory.

Recommendations of the Committee:

3.8.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.8.6. Details of Environment Conditions

3.8.6.1. Specific

Specific	
1.	The commitments made by the Project Proponent in the Action Taken Report (ATR) and during the course of appraisal for the pending compliances shall be implemented in a time-bound manner, and compliance thereof shall be submitted periodically to the Integrated Regional Office (IRO), MoEF&CC for monitoring.
2.	The other terms and conditions of the EC letter dated 16.09.2008 shall remain the same.

Day 2 -22/05/2026

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

Expansion of existing Integrated Cement Plant of Dalmia Cement (Bharat) Ltd. by installation of a new line of clinkerisation & cement grinding at District: YSR Kadapa, Andhra Pradesh. by DALMIA CEMENT (BHARAT) LIMITED located at Y.S.R.,ANDHRA PRADESH			
Proposal For		Expansion EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/AP/IND1/576361/2026	J-11011/76/2007-IA-II(IND-I)	22/04/2026	Cement plants Integrated Cement plants and Grinding units (3(b))

3.1.2. Project Salient Features

[Proposal no.: IA/AP/IND1/576361/2026; File No. IA-J-11011/76/2007-IA-II (Ind-I)] [Consultant: Perfect Enviro Solutions Pvt. Ltd.; Valid upto: 26.11.2028]				
Date of application	Consideration	Details	Date of accord	ToR Validity
18.03.2024	60 th meeting of the EAC for Industry-I sector held on 11 th – 12 th June 2024	Terms of Reference	01.07.2024	30.06.2028

S. No.	Particulars	Details	Remarks															
i.	Total land	150 ha (Private industrial Land) The existing plant area is 120 ha including plant and colony area. With the installation of proposed New Line-II, plant area will increase from existing 120 ha to 150 ha. Additional area is contiguous & in possession of the company. No forest Land is involved.	Land use: Entire land is non-forest land which is in possession of the company and had been converted to non-agriculture purpose in favor of the Company. Proceedings of the Competent Authority and Revenue Divisional Officer, Jammalamadugu vide letter no. R.DIS.D/268/2007 dated 07.05.2008 submitted with proposal.															
ii.	Land acquisition details as per MoEF&CC O. M. dated 7/10/2014	In possession of the company and converted for industrial use.																
iii.	Existence of habitation & involvement of R&R, if any.	Project Site: Nil; R & R Plan is not applicable Study Area: Villages nearby plant <table><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td>Chinnakomerla</td><td>0.02 Km</td><td>S</td></tr><tr><td>Dugganapalli</td><td>0.11 Km</td><td>W</td></tr><tr><td>Nawabpeta</td><td>0.54 Km</td><td>N</td></tr><tr><td>Peda Komerla</td><td>0.95 Km</td><td>ESE</td></tr></table>	Habitation	Distance	Direction	Chinnakomerla	0.02 Km	S	Dugganapalli	0.11 Km	W	Nawabpeta	0.54 Km	N	Peda Komerla	0.95 Km	ESE	Not applicable
Habitation	Distance	Direction																
Chinnakomerla	0.02 Km	S																
Dugganapalli	0.11 Km	W																
Nawabpeta	0.54 Km	N																
Peda Komerla	0.95 Km	ESE																
iv.	Latitude and Longitude of all corners of the project site.	Boundary Coordinates of Project area are: <table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>Point A</td><td>14°56'28.85"N</td><td>78°20'11.41"E</td></tr><tr><td>Point B</td><td>14°55'57.72"N</td><td>78°20'0.90"E</td></tr><tr><td>Point C</td><td>14°55'28.58"N</td><td>78°20'43.43"E</td></tr><tr><td>Point D</td><td>14°55'56.13"N</td><td>78°20'49.32"E</td></tr></table>	Point	Latitude	Longitude	Point A	14°56'28.85"N	78°20'11.41"E	Point B	14°55'57.72"N	78°20'0.90"E	Point C	14°55'28.58"N	78°20'43.43"E	Point D	14°55'56.13"N	78°20'49.32"E	Not applicable
Point	Latitude	Longitude																
Point A	14°56'28.85"N	78°20'11.41"E																
Point B	14°55'57.72"N	78°20'0.90"E																
Point C	14°55'28.58"N	78°20'43.43"E																
Point D	14°55'56.13"N	78°20'49.32"E																
v.	Elevation of the project site	Avg. 224 m above mean sea level	-															
vi.	Involvement of Forest land if any.	Status of stage I Forest Clearance: NA	No Forest Land involved															
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: No water body exists within the plant site except artificial Rainwater Harvesting Ponds/reservoir created by the company. Study area: Following water bodies fall within 10 km radius: <table><tr><th>Water body</th><th>Distance & Direction</th></tr><tr><td>Nala • Nallah/Vagu near Project area</td><td>• 0.02 km in NE direction • 9.40 Km in ENE direction</td></tr></table>	Water body	Distance & Direction	Nala • Nallah/Vagu near Project area	• 0.02 km in NE direction • 9.40 Km in ENE direction	A Nallah/Vagu is passing adjacent to the plant. NOC from WRD has also been obtained vide letter no. TW/AT O/785 dated 15.11.2025.											
Water body	Distance & Direction																	
Nala • Nallah/Vagu near Project area	• 0.02 km in NE direction • 9.40 Km in ENE direction																	

S. No.	Particulars	Details		Remarks	
		• Konda Vagu (Nala) River: • Tigaleru River • Penneru River Canal • Nossam Branch Canal • GNSS Canal • Mailavaram Cuddapah Left bank canal Reservoir • Mylavaram Reservoir & Dam ction • 1.85 km in East direction • 7.33 km in SSE direction • 1.5 km in SE direction • 4 km in West direction • 6.5 km in SSE direction • 8.2 km in South direction			
viii.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Nil • List of Reserved and protected forests: - o Protected Forest (PF)- None - o Reserve forest - Pennar Plantation VIII, Comp. No. 62 (RF) – 9.61 km, SE		Not applicable Map confirming the same has been authenticated by Principal Chief Conservator of Forests & HoFF and Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden (FAC), Andhra Pradesh vide its File No. EFS02-21024/8/2019-WILDLIFE SEC-PCCF, Rc.no. 10432/2020/WL-2 dated 04/10/2021.	
9	Details of inter-linked projects needs to be submitted	Not applicable The cement plant is not inter-linked with any single captive mine in an integrated or inseparable manner. The operation of the cement plant is not dependent on any one specific mine, and limestone sourcing may be varied among the approved captive mines based on operational feasibility and regulatory compliance. Therefore, the proposed project does not qualify as an “interlinked project” as envisaged under the Office Memorandum dated 24.12.2010. Separate/Independent EC of respective mines either available or under process.			
Sl. No.	Facilities	Units	As per EC dated 05th April,2007 and subsequent amendment dated 06.03.2023 under the provisions of S.O.980-(E).	Implementation Status as on date	Production as per CTO dated 30th March, 2024
1.	Clinker	MTPA	2.6	2.6	2.6

2.	Cement	MTPA	4.6				4.6				4.6			
3.	CPP	MW	40				--				--			
4.	WHRS	MW	12				12				12			
5.	Residential Colony	Nos. of houses	200				60				--			
Sl. No.	Plant Equipmen t/ Facility	Existing facilities as per EC dated 5 th April, 2007 and subsequent amendment dated 06.03.2023 under the provisions of S.O.980-(E).								Proposed Units		Final (Existing + Proposed)		
		Total (A+B)		Implemented (A)		Un- implemented (B)		As per CTO						
		Con fig.	Cap.	Con fig.	Ca p.	Con fig.	Ca p.	Con fig.	Ca p.	Con fig.	Ca p.	Con fig.	Ca p.	
1	Clinker	Kiln - 1 x 8000 TPD	2.6 Million TPA	Kiln - 1 x 8000 TPD	2.6 Million TPA	--	--	Kiln - 1 x 8000 TPD	2.6 Million TPA	Kiln - 15 152 TPD	5 Million TPA	Kiln - 1 x 8000 TPD & Kiln 2- 1 515 2 TPD	7.6 Million TPA	
2	Cement (OPC/PPC/ PS C/ Composite Cement/ SRPC, GGBFS and other varieties of cement)	Mill- 1: 4 20 T PH Mill 2: 1 60 T PH	4.6 Million TPA	Mill- 1: 4 20 T PH Mill 2: 1 60 T PH	4.6 Million TPA	--	--	Mill- 1: 4 20 T PH Mill 2: 1 60 T PH	4.6 Million TPA	2 cement mills circuit	8 (2 X4) Million TPA	4 cement mills circuit	12.6 Million TPA	
3	CPP	40	MW	--	--	40	MW	--	--	--	--	--	--	
4	WHRS	12 MW	12 MW	12 MW	12 MW	--	--	12 MW	12 MW	16 MW	16 MW	28 MW	28 MW	
5	D.G. Set	2x6 50 + 1x 2 50	2x6 50 + 1x 250	2x6 50 + 1x 2 50	2x6 50 + 1x 250	--	--	2x6 50 + 1x 250	2x6 50 + 1x 250	2 x 600 + 1 x 250	2 x 600 + 1 x 250	2 x 650 + 2 x 600 + 2 x 250	2 x 650 + 2 x 600 + 2 x 250	
6	Colony	200 dwelling units	200 dwelling units/32 ha	60 dwelling units	60 dwelling units	140 dwelling units	140 dwelling units	60 dwelling units	60 dwelling units	128 dwelling units	128 dwelling units	188 dwelling unit	188 dwelling unit	

Sl. No.	Plant Equipment/ Facility	Existing facilities as per EC dated 5 th April, 2007 and subsequent amendment dated 06.03.2023 under the provisions of S.O.980-(E).								Proposed Units		Final (Existing + Proposed)	
		Total (A+B)		Implemented (A)		Un- implemented (B)		As per CTO					
		Con fig.	Cap.	Con fig.	Cap.	Con fig.	Cap.	Con fig.	Cap.	Con fig.	Cap.	Con fig.	Cap.
												s	s/ 32 ha

S. No.	Name of Raw Material	Raw Material Quantities (Million TPA)			Source	Distance from site (Kms) Distance & Mode of Transportation	Mode of Transportation
		Existing (Line - I)	Proposed (Line - II)	Total (Line - I + Line II)			
1.	Limestone*	3.82	7.70	11.52	Nawabpeta Limestone Mine/ Kotapadu Limestone mine & Open market/ auctioned block	By Conveyor Belt. ~ 2.6 km Or By road ~ 50 km & railways ~ 500 Km	Road/ Railways
2.	Red mud/ Iron Ore	0.07	1.23	1.30	Bellary/ local	250 km	Road
3.	Gypsum (Natural / Chemical)	0.14	0.24	0.38	Tuticorin	825 km	Road
4.	Bauxite	0.18	1.23	1.41	Rajahmundry	577 km	Road
5.	Fly Ash	1.61	2.80	4.41	Rayalseema TPP, APPDC L and thermal plant of area	150 Km	Road
6.	Slag	2.99	5.20	8.19	Purchase from JSW Bellary, Shri Sai Enterprises, Tadipatri	250 km	Road

Note: In existing Line and Proposed line, red mud/ Iron Ore, Gypsum, wet fly ash are being/will be stored under the same shed.

• **Nawabpeta Limestone mine-** Existing EC for 3.819 Million TPA limestone vide File no. J-11011/76/2007-IA-II (I)(T) dated 5th April 2007. EC application for expansion of limestone production from 3.819 to 11.3 Million TPA

has been submitted to MoEFCC vide Proposal No.: IA/AP/MIN/544121/2025 on 27.08.2025 which is under process.

• **Kotapadu Limestone mine**- EC available for 2.14 Mill.TPA limestone vide File no. J-11015/35/2009-IA.II (M) dated 20th May 2014.

***Madavapuram Limestone** block is e-auctioned by Govt. of Andhra Pradesh as non-captive mine and DCBL is declared as preferred bidder. Application for TOR submitted to MoEFCC on 09.04.2026 which is under process.

Name of Fuel	Quantity Required (Million TPA)			Source	Mode of Transportation / Approx. Distance
	Existing (Line - I)	Proposed* (Line -II)	Total (Line - I + Line II)		
Name of Fuel	Quantity Required (Million TPA)			Source	Mode of Transportation / Approx. Distance
	Existing (Line - I)	Proposed* (Line -II)	Total (Line - I + Line II)		
Imported Coal	0.31	1.80	2.11	Purchased from South Africa –Through Krishnapatnam port	Rail / 339 kms
Indian Coal	0.42	2.70	3.12	Telangana & other if any	Road/Rail 600 kms
Petcoke (Imported)	0.25	1.40	1.65	Purchase Saudi Arabia- Through Krishnapatnam Port	Rail / 339 kms
Petcoke (Indian)	0.26	1.70	1.96	MRPL, Govt. Agency, others in any	Road / 850 kms
Alternate Fuel & Raw material (AFR)	0.41	0.65	1.06	Nearby industries & Purchase from local area	Road/400-500 kms
Imported Coal	0.31	1.80	2.11	Purchased from South Africa –Through Krishnapatnam port	Rail / 339 kms
Indian Coal	0.42	2.70	3.12	Telangana & other if any	Road/Rail 600 kms
Petcoke (Imported)	0.25	1.40	1.65	Purchase Saudi Arabia- Through Krishnapatnam Port	Rail / 339 kms
Petcoke (Indian)	0.26	1.70	1.96	MRPL, Govt. Agency, others in any	Road / 850 kms
Alternate Fuel & Raw material	0.41	0.65	1.06	Nearby industries & Purchase from local	Road/400-500 kms

Name of Fuel	Quantity Required (Million TPA)			Source	Mode of Transportation / Approx. Distance
	Existing (Line - I)	Proposed* (Line -II)	Total (Line - I + Line II)		
Name of Fuel	Quantity Required (Million TPA)			Source	Mode of Transportation / Approx. Distance
	Existing (Line - I)	Proposed* (Line -II)	Total (Line - I + Line II)		
al (AFR)				area	

** Any one type of Fuel or fuel mix in appropriate proportion shall be used depending upon the availability and feasibility*

Period	Post Monsoon season (October- December 2023)	
Ambient Air Quality Monitoring at 14 locations	Core zone	Buffer zone
	PM10 - 51.49 to 64.89 $\mu\text{g}/\text{m}^3$	PM10 - 53.18 to 67.33 $\mu\text{g}/\text{m}^3$
	PM2.5 - 29.76 to 38.19 $\mu\text{g}/\text{m}^3$	PM2.5 - 31.11 to 42.20 $\mu\text{g}/\text{m}^3$
	SO ₂ - 7.23 to 9.19 $\mu\text{g}/\text{m}^3$	SO ₂ - 7.54 to 12.62 $\mu\text{g}/\text{m}^3$
	NO ₂ - 25.28 to 32.18 $\mu\text{g}/\text{m}^3$	NO ₂ - 20.49 to 29.96 $\mu\text{g}/\text{m}^3$
	CO - 0.28 to 0.35 mg/m^3	CO - 0.29 to 0.49 mg/m^3
Incremental GLC level	PM10 = 1.89 $\mu\text{g}/\text{m}^3$ (Distance- 100 m in SW direction within site),	
	PM2.5 = 1.87 $\mu\text{g}/\text{m}^3$ (Distance- 100 m in SW direction within site)	
	SO ₂ = 3.04 $\mu\text{g}/\text{m}^3$ (Distance- 100 m in SW direction within site)	
	NO _x = 4.19 $\mu\text{g}/\text{m}^3$ (Distance- 100 m in SW direction within site)	
	CO = 0.016 mg/m^3 (Distance- 100 m in SW direction within site)	
Ground Water quality at 12 locations	pH - 6.9 to 7.5	
	Total Hardness - 381 to 400 mg/l	
	TDS - 710-822 mg/l	
	Chloride- 149 to 158 mg/l	
	Fluoride- 0.20-1.00 mg/l	
	pH - 7.0 to 7.3	

Period	Post Monsoon season (October- December 2023)				
Surface Water quality at 8 locations	DO -6.40 to 7.20 mg/l				
	BOD- 2.00 to 8.20 mg/l				
	COD- 8 to 32 mg/l				
Noise levels Leq (Day and Night) at 17 locations	Particulars	Core Zone	Buffer Zone		
	During Day Time	63.6 dB (A) to 64.3 dB (A)	56.3 dB(A) to 63.1 dB (A)		
	During Night Time	57.6 dB (A) to 58.1 dB (A)	43.2 dB(A) to 60.2 dB(A)		
Traffic assessment study findings	- Traffic study has been conducted at SH-57 which is adjacent in WSW from the plant site. - Transportation of raw material, fuel & finished product will be done 60-100 % by road. - Existing PCU is 655 PCU/hr on SH-57 and existing level of service (LOS) is 0.26				
	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS
	SH-57	655	2550	0.26	B
	PCU load after proposed expansion will be 655 (existing) PCU/hr + 153 (Additional) PCU/hr = 808 PCU/hr and level of service (LOS) will be:				
	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS
SH-57	808	2550	0.32	B	
* Note: Capacity as per IRC-2550 Guide line for capacity for roads Conclusion: The level of service will 0.32 after including additional traffic due to proposed project					
Flora and fauna	As per the amended Wildlife Protection Act (WLPA) 2022, a total of 14 species are listed under Schedule-I. Conservation plan of schedule-I species was approved in line with Wildlife (Protection) Act, 1972 and further re-validated as per amendment in Wildlife (Protection) Act, 2022 by Principal Chief Conservator of Forests & HoFF and Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden (FAC), Andhra Pradesh vide letter dated 04/10/2021 and vide Rc.no. 21024/2019/WL-2, dated 11/09/2024 respectively. Rs. 1.65 Crores Budget was allocated for implementation for WLCP and amount has been deposited by the company in the account of Wildlife Conservation projects & CSR (WLC & CSR).				

S. No.	Type of the waste	Source	Qty (TPA)			Mode of disposal	Remark/ Mode of Transport
			Line-I	Line-II	Total		
	Solid waste (domestic wastes)						
1.	STP Sludge	STP	120	60	180	Used as manure for plantation	Within plant by internal road
2.	Municipal Solid Waste	Biodegradable - Plant & Colony	30.66 (84 kg/day)	31.39 (86 kg/day)	62.05 (170 kg/day)	Segregated in biodegradable & non-biodegradable waste & disposed off suitably	Road
		Non Biodegradable - Plant & Colony	20.44 (56 kg/day)	21.17 (58 kg/day)	41.61 (114 kg/day)		
Hazardous waste							
3.	Used Oil/ Spent Oil (Cat 5.1) (KL/annum)	Plant maintenance	24	40	64	Co-processed in Kiln/Sold to authorized recyclers	Road
4.	Wastes or residues containing oil (Cat 5.2)	Plant, machineries and maintenance	5	12	17		Road
5.	Contaminated cotton rags (Cat. 33.2)	Plant maintenance	1	1	2	Co-processed in Kiln	Road
6.	Empty barrels/containers/liners contaminated with	Plant maintenance	10	30	40	Sold to authorised recyclers	Road
7.	Used Lead acid Batteries in nos. (A1160)	Plant/Colony/ Solar/vehicles	80 (100 nos.)	16 (200 nos.)	24 (300 nos.)	Return to Manufacturers/dealers on buy back basis or sold to regist. vendors as per prevalent rules	Road
	Non- Hazardous waste Management						
8.	Dust from collected from various APCEs	Cement Plant	140000	230000	370000	Dust collected from various APCEs is being	Within the plant Conveyor Belt

S. No.	Type of the waste	Source	Qty (TPA)			Mode of disposal	Remark/ Mode of Transport
			Line-I	Line-II	Total		
						ing/will be totally recycled back into the process.	
9.	Plastic bag & other packing materials	Plant & Colony	500	1000	1500	Co-processed in plant or sold to Authorized vendor as per PWM rules	Road
10.	E-Waste (Discarded electrical equipment, cables, CFL/LED etc.)	Plant & Colony	1.2	2	3.2	Has been/Will be given to registered vendors as per E-Waste Management Rules, 2016	Road
11.	Bio-medical waste (Yellow & White Category biomedical waste)	Company's dispensary/OHC	0.05	0.05	0.1	Collected/will be collected by Authorized vendor to CBWMTF	Yellow & White Category
12.	Redundant machinery or equipment scrap	Cement plant & associated facilities	1300	1500	2800	Will be Sold to recyclers	Road
13.	Construction & fabrication waste	Construction of 2 New lines of clinicrisation & cement plant and additional staff & worker quarters	0	200000	200000	Within site for levelling or recyclable will be sold	Road
Details of advertisement given		Date of Advertisement in Newspapers and Name of Newspapers: • "Sakshi & Eanadu" (Telugu) on 22nd Feb, 2025 • "Indian express and Hans India" (English) on 22nd Feb, 2025					
Date of public consultation		27 th March 2025 at 9.00 am					
Venue		Near Solar Power Plant of M/s. Dalmia Cement (Bharat) Ltd. villages Nawabpeta & Dugganpalli, Mandal: Mylavaram, Dist.: YSR Kadapa, Andhra					

	Pradesh
Presiding Officer	Collector & District Magistrate Kadapa, YSR District.
Major issues raised	Flooding, Employment generation, Air pollution & dust generation causing impact on crop productivity and impact on health of locals

Action Plan as per OM dated 30.09.2020

Post Public Hearing, in compliance of EDS raised in previous proposal submitted for the project stating:

"It is noted from PH proceedings that a court case has been made against the project, which was disposed by Hon'ble High Court. The directions were to ask litigants to participate in PH process and raise grievance. A detailed write up on the grievances raised by the public during PH vis-a-vis PP's response vis-a-vis its inclusion in proceedings vis-a-vis mode in which it is addressed in consultation with District Authorities and concerned SPCB may be submitted."

District Collector & District Magistrate, Kadapa vide letter Ref. No. Lr. No. K-217/PCB/RO/KDP/2025 dated 22.12.2025, submitted reply and approved Public Hearing Action Plan detailing specific interventions, budgetary allocations, and implementation modalities to the public issues raised during public hearing and thereafter. Further, in the referred letter, it was confirmed that the Petitioners of W.P. No. 7163 of 2025 attended the public hearing and expressed their grievances, Petitioner wise Grievance raised during Public Hearing, its inclusion in PH MoM and Mode in which PP addressed the issue in consultation with District Authorities and concerned SPCB were detailed in the referred letter.

Total budget of Rs. 28.44 crore was allocated to address the issues raised during Public hearing for both Plant & mine (Rs 26.44 crore under the Cement Plant budget and remaining Rs 2 crore under the Mine budget). The Action plan has been further revised from Rs. 28.44 Crores to Rs. 42 Crores.

Detailed activity wise action plan to address the issues raised during Public Hearing for both Plant & mine with a cumulative budget of ₹ 42 Crores.

S. N o.	Activities	T o t a l B u d g e t	For Mine	For Plant	Year wise Budget (Rs. In Lakh)				
			(Rs. In Lakh)		Year-1	Year-2	Year-3	Year	
i	Livelihood & Skill Development								
1	Construction of a Multipurpose skill training hall and creation of Gausahala on Community land in Nawabpet village benefiting a minimum of 800 villagers year on year	₹ 16000	₹ 20.00	₹ 140.00	₹ 0.00	₹ 40.00	₹ 40.00	₹ 60.00	
2	Employment-based short-term skill training	₹	₹ 20.00	₹ 85.00	₹ 20.0	₹ 20.0	₹ 25.0	₹ 40.00	

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
					(Rs. In Lakh)	Year-1	Year-2	Year-3
	ning like General Duty Assistant, Customer Service Management Non-Voice, Motor Mechanic, Mobile Repairing, Electric Motor Binding etc will be organised for the Youth in Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam & Madhavapuram and other locations vicinity villages. Around 350 Rural youth will be skilled for gainful employment.etc will be organised for the Youth in Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam & Madhavapuram and other location vicinity villages. Around 350 Rural youth will be skilled for gainful employment.	10500				0	0	0
3	Sewing training/value addition based self-employment oriented training for women in the Villages of Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam and other local vicinity villages. Around 180 women from the above 4 villages will get the benefit.	₹ 3500	₹ 5.00	₹ 30.00		₹ 10.00	₹ 10.00	₹ 10.00
4	For strengthening of the women self help groups in Nawabpet, Duganpalli, Chinnakomerla, & Talmanchipattinam revolving fund support, 4 WSHG federation will be exclusively formed one per village for supporting the women under revolving fund support. This is expected to benefit around 300 women members every year.	₹ 12000	₹ 20.00	₹ 100.00		₹ 30.00	₹ 30.00	₹ 30.00
5	Strengthening of Village development committees (VDCs) in Nawabpet, Duganpalli, Chinnakomerla, Talamanchipattinam and Madhavapuram to provide them with financial support for taking need revolving fund support for the youth, and farmers.	₹ 4000	₹ 12	₹ 28		₹ 10	₹ 10	₹ 10
	Sub Total : i	₹ 4	₹ 77.00	₹ 383.00		₹ 70.00	₹ 110.00	₹ 115.00

S. N o.	Activities	T o t a l B u d g e t	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
			(Rs. In Lakh)		Year-1	Year-2	Year-3	Year
		60.00						
ii	Water Harvesting & Conservation and for agriculture improvement							
6	Rejuvenation of ponds/ reservoirs, construction of check dams and maintenance of existing CD, drainage line treatment, bore well etc. These activities will be taken-up in close consultation with the user groups. This is expected to benefit a minimum of 3,000 farmers spread across Nawabpet, Duganpalli, Chinnakomerla, Talmanchipattinam & Madhavapuram. And this will also benefit in recharging of the ground water table.	₹ 140.00	₹ 20.00	₹ 120.00	₹ 30.00	₹ 30.00	₹ 40.00	₹ 40.00
7	Upgradation of Community based RO units in Nawabpeta, Dugganapalli, Chinnakomerla and Talamanchipattinam & Madhavapuram benefitting more than 7,000 villagers. Water user group of each village will play an active role in maintenance of the units.	₹ 48.00	₹ 12.00	₹ 36.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 12.00
8	Support around 1,500 farmers from Nawabpet, Duganpalli, Chinnakomerla, Talmanchipattinam & Madhavapuram under lift irrigation. This initiative will help them to lift from the near by drains and irrigate their lands for gainful employment.	₹ 60.00	₹ 0.00	₹ 60.00	₹ 20.00	₹ 10.00	₹ 10.00	₹ 20.00
9	Improving of Soil Fertility with Tank silt application to agriculture fields in Talamanchipattinam, Chinnakomerla, Madhavapuram and Nawabpeta villages. This initiative is expected to benefit around 1,500 villagers.	₹ 40.00	₹ 10.00	₹ 30.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
			(Rs. In Lakh)		Year-1	Year-2	Year-3	Year
10	Organise a minimum of 20 exposure visits for the farmers on improved cultivation, irrigation practises, this is expected to benefit around 900 farmers from Nawabpet, Duganapalli, Chinnakomerala, & Talmanchipattinam.	₹ 14.00	₹ 10.00	₹ 4.00	₹ 3.00	₹ 3.00	₹ 3.00	₹ 5.00
11	Various programmes to increase the productivity of the nearby agricultural fields such as Scientific agriculture practices, Drip irrigation, Yellow Sticky Traps, Solar Light traps, Organic Inputs for cultivation, Sustainable agriculture and soil tests, weather-based advisory services, training to farmers, Farm Mechanisation (CHC), New technology initiatives etc. This intervention has the potential to benefit nearly 6,000 farmers spread across Nawabpet, Duganapalli, Chinnakomerala, & Talmanchipattinam villages	₹ 85.00	₹ 40.00	₹ 45.00	₹ 20.00	₹ 20.00	₹ 20.00	₹ 25.00
12	Support in implementation of PM Surya Ghar Yojna in Nawabpet, Talmanchipattinam & Madhavapuram, Dugganpalli, Chinnakomerala	₹ 100.00	₹ 0.00	₹ 100.00	₹ 25.00	₹ 25.00	₹ 25.00	₹ 25.00
13	Installation of CAAQMS in villages Duganapalli (Mulamma Temple), Chinnakomerala and Nawabpet	₹ 150.00	₹ 0.00	₹ 150.00	₹ 50.00	₹ 50.00	₹ 50.00	₹ 0.00
	Sub Total : ii	₹ 637.00	₹ 92.00	₹ 545.00	₹ 170.00	₹ 160.00	₹ 170.00	₹ 130.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)				
					(Rs. In Lakh)	Year-1	Year-2	Year-3	
iii	Social Infrastructure								
A	Community Infrastructure Development								
14	Construction of CC roads -3000 meters (140 Lakhs per KM for Grubbing, Gravel filling, Concrete work.) in Talamanchipatnam & Madhavapuram, Chinnakomerla and Nawabpeta and Dugganapalli villages benefiting around 8,000 villagers.	₹ 485.00	₹ 0.00	₹ 485.00	₹ 80.00	₹ 80.00	₹ 100.00		₹ 220.00
15	Gravel Roads for Field Connectivity to increase access to farm fields in Talamanchipatnam & Madhavapuram, chinnakomerla and Nawabpeta and Dugganapalli villages benefitting around 4,000 villagers.	₹ 200.00	₹ 0.00	₹ 200.00	₹ 25.00	₹ 25.00	₹ 50.00		₹ 100.00
16	Repair and maintenance of field roads/new causeway/culvert in Nawabpeta, Talamanchipatnam & Madhavapuram and chinnakomerla covering around 3 kms.	₹ 50.00	₹ 0.00	₹ 50.00	₹ 10.00	₹ 15.00	₹ 10.00		₹ 15.00
17	Incentivizing of Plantation in Villages, Community Land etc. under "Ek Ped Maa Ke Naam"	₹ 6.00	₹ 0.00	₹ 6.00	₹ 1.00	₹ 1.00	₹ 2.00		₹ 2.00
18	Hospital Construction with 10 bedded facility 24/7 in one the project affected villages benefitting around 3,000 villagers every year.	₹ 450.00	₹ 0.00	₹ 450.00	₹ 0.00	₹ 200.00	₹ 100.00		₹ 150.00
19	Provide E-riksha for Solid waste management in Nawabpeta, Chinnakomerla and Talamanchipatnam & Madhavapuram	₹ 24.00	₹ 0.00	₹ 24.00	₹ 0.00	₹ 8.00	₹ 8.00		₹ 8.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
					(Rs. In Lakh)	Year-1	Year-2	Year-3
20	Veterinary Dispensary @ Nawabpet and hand it over to the Animal Husbandry department and Animal Health Camps for Dairy Animals and Small Ruminants in Nawabpet, Talamanchipatnam & Madhavapuram, Chinnakomerla and Dugganapalli villages.	₹ 60.00	₹ 30.00	₹ 30.00	₹ 10.00	₹ 20.00	₹ 10.00	₹ 20.00
21	Solar Street lights in village and common place for increasing night visibility in Nawabpet, Duganapalli, Chinnakomerla, & Talamanchipattinam benefitting around 3,000 villagers and Electric Light Fittings along with Nawabpeta-Chinnakomerla Road	₹ 28.00	₹ 7.00	₹ 21.00	₹ 7.00	₹ 7.00	₹ 7.00	₹ 7.00
22	Construction of an overhead water tank for household water supply (Chinnakomerla & Nawabpeta) benefitting around 2,000 villagers.	₹ 12.00	₹ 0.00	₹ 120.00	₹ 0.00	₹ 60.00	₹ 60.00	₹ 0.00
23	Widening, deepening, bottom levelling, and bund formation of Alugu Vagu to prevent rainwater overflow into nearby agricultural fields Nawabpet, Duganapalli, Chinnakomerla, & Talamanchipattinam benefitting nearly 7,000 villages.	₹ 55.00	₹ 0.00	₹ 550.00	₹ 0.00	₹ 350.00	₹ 200.00	₹ 0.00
24	Construction of four Bus Shelters one each at Talamanchipatnam, Madhavapuram, Dugganapalle, Chinnakomerla junction/Nawabpeta	₹ 20.00	₹ 10.00	₹ 10.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
25	Construction of Playground in Chinnakomerla & Dugganapalli Village with basic infrastructure benefitting around 3,000 villagers including the youths, & school children.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 0.00	₹ 20.00	₹ 0.00	₹ 20.00
2	In depth Study of drainage of Village Dugg	₹	₹ 100	₹ 50	₹ 30	₹ 30	₹ 40	₹ 50

S. N o.	Activities	T o t a l B u d g e t	For Mine	For Plant	Year wise Budget (Rs. In Lakh)				
					(Rs. In Lakh)		Year-1	Year-2	
6	anpalle by reputed Institute and implemen tation of suggestion in consultation with P anchayat and District Authorities	1 5 0. 0 0							
2 7	Distribution of Home Composters in 30 0 houses of villages Dugganapalle, Chinna komerla junction & Nawabpeta	₹ 1 5. 0 0	₹ 0	₹ 15	₹ 5	₹ 5	₹ 5		₹ 0
2 8	Water supply pipeline/ New bore-well f or Dhobi Ghat in Nawabpeta benefitting a roud n 100 villagers.	₹ 4. 0 0	₹ 4.00	₹ 0.00	₹ 0.00	₹ 4.00	₹ 0.00		₹ 0.0
	Sub-total A	₹ 2, 2 0 2. 0 0	₹ 151.00	₹ 2,051. 00	₹ 173. 00	₹ 830. 00	₹ 597. 00		₹ 60 00
B	Health & Sanitation								
2 9	Face lifting of the health sub-centres ca tering to the Villagers in Nawabpet, Dugg anapalli, Talamanchipattnam, and Chinnak omerla. Activities will include provision of health care equipments.	₹ 4 0. 0 0	₹ 10.00	₹ 30.00	₹ 10.0 0	₹ 10.0 0	₹ 10.0 0		₹ 10 0
3 0	Organizing vaccination programs and ot her free medical camps (12 camps per vil lage/per year) in Nawabpeta, Dugganapall i, Chinnakomerla and Talamanchipatnam & Madhavapuram. This benefit around 7,000 villages year-on-year.	₹ 4 8. 0 0	₹ 0.00	₹ 48.00	₹ 12.0 0	₹ 12.0 0	₹ 12.0 0		₹ 12 0
3	Organise 80 awareness camps on Menstr	₹	₹ 0.00	₹ 8.00	₹ 2.00	₹ 2.00	₹ 2.00		₹ 2.0

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
					(Rs. In Lakh)	Year-1	Year-2	Year-3
1	ual hygiene, reproductive health and Nutrition, 20 awareness programme for Nawabpeta, Dugganapalli, Chinnakomerla and Talamanchipatnam & Madhavapuram villages. This benefit around 3,000 villages year-on-year.	8.00						
32	Open-Jim in village Chinnakomerla, Talamanchipatnam & Nawabpeta	₹ 15.00	₹ 0.00	₹ 15.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 0.00
	Sub-total B	₹ 111.00	₹ 10.00	₹ 101.00	₹ 29.00	₹ 29.00	₹ 29.00	₹ 24.00
C	Education							
33	Development of School infrastructure at Chinnakomerla, Talamanchipatnam, Madhavapuram, Nawabpeta and Dugganapalli villages. Development of class rooms, Smartboards, Internet facilities, Girls toilets in Schools, drinking water, improving sanitation facilities, sports equipment, other facilities, and laboratory equipment etc. in Z.P High School & MPP Schools (2 Nos) in Chinnakomerla, MPP school in Nawabpeta, MPP schools (2 Nos) in Talamanchipatnam & Madhavapuram. Overall this intervention will benefit a minimum of around 2,000 school children.	₹ 100.00	₹ 10.00	₹ 90.00	₹ 20.00	₹ 20.00	₹ 20.00	₹ 40.00
34	Computer lab and Science Lab at Z.P. High School in Chinnakomerla & other nearby village benefitting around 250 children.	₹ 60.00	₹ 5.00	₹ 55.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 24.00

S. N o.	Activities	T o t a l B u d g e t	For Mine	For Plant	Year wise Budget (Rs. In Lakh)				
					(Rs. In Lakh)		Year-1	Year-2	
		0							
35	Increasing the height of the compound wall / Construction of a new wall/ other need based infrastructure at MPP school in Chinnakomerla and MPP school in Nawabpet benefiting around 1,300 students.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
36	Construction of New Aganwadi Centre in Chinnakomerla, Nawabpet and Talamanchipatnam & Madhavapuram villages benefiting around 120 toddlers.	₹ 90.00	₹ 30.00	₹ 60.00	₹ 30.00	₹ 30.00	₹ 30.00	₹ 30.00	₹ 0.00
37	Bala Painting and Playing kits to 5 Anganwadi centres in Chinnakomerla (2 Nos) , Nawabpet, Talamanchipatnam & Madhavapuram and Dugganapalli villages benefiting around 200 toddlers.	₹ 12.00	₹ 0.00	₹ 12.00	₹ 4.00	₹ 4.00	₹ 2.00	₹ 2.00	₹ 2.00
38	Need-based requirements of the community during project implementation covering Nawabpet, Duganapalli, Chinnakomerla, Talmanchipattinam & Madhavapuram. Amount earmarked for undertaking developmental activities on the request of local administration during project execution	₹ 400.00	₹ 20.00	₹ 380.00	₹ 50.00	₹ 75.00	₹ 75.00	₹ 75.00	₹ 200.00
39	Provision of transport facility for students to Dalmia Vidya Mandir /chinnakomerla High school. Students from Dugganapalli, Nawabpet, Chinnakomerla and Talamanchipatnam benefiting around 200 children.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
40	Scholarships will be provided to economically disadvantaged and meritorious students from Nawabpet, Duganapalli, Chinnakomerla, & Talmanchipattinam benefiting around 150 children.	₹ 20.00	₹ 0.00	₹ 20.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
4	Sports kits to students of schools in Naw	₹	₹ 0.00	₹ 8.00	₹ 2.00	₹ 2.00	₹ 2.00	₹ 2.00	₹ 2.00

S. N o.	Activities	T o t a l B u d g e t	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
					(Rs. In Lakh)	Year-1	Year-2	Year-3
1	abpet, Chinnakomerala, & Talmanchipattin am benefitting 100 stidents	8.000						
42	Celebration of important days such as Wo men's Day, Environment Day, Children's D ay, Independence Day, etc Nawabpet, Dug anapalli, Chinnakomerala, & Talmanchipatt inam.	₹ 20000	₹ 3.00	₹ 17.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
	Sub-total C	₹ 79000	₹ 68.00	₹ 722.00	₹ 148.00	₹ 173.00	₹ 171.00	₹ 29000
	Grand Total (i + ii + iii)	₹ 4,20000	₹ 398.00	₹ 3,802.00	₹ 590.00	₹ 1,302.00	₹ 1,082.00	₹ 1,76000

NOTE: The nature of activities and villages may vary during the execution phase in consultation with local authorities/district administration/local demand & necessity, within the overall proposed budget.

S.n o.	Particulars	Cost (Rs. In Crores)	
		Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/ann um)
A	Environment Management		
1	Air Pollution Control		
	Process Bag Houses (ESP, RMBH, KMBH, 2xCMBH)	7500	750

S.no.	Particulars	Cost (Rs. In Crores)	
		Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/annum)
	Nuisance Dust Collectors	1600	160
	Sweeping Vacuum machines	40	2
	Construction of internal CC roads inside the plant premises	1400	20
	Covered Sheds for Raw Material Storage and Fuel Storage	4375	95
	Greenbelt Development & Plantation	25	5
2	Water Pollution Control measures		
	STP of 375 KLD Capacity (Existing)	0	10
	Drip irrigation System & Water Sprinkling	10	4
	Garland drains and Settling tanks	75	20
3	Noise Pollution Control	85	50
4	Hazardous Waste Storage & Handling, AFR	7000	136
5	Environmental Monitoring		
	4 CAAQM Stations (2 already installed & 2 proposed)	160	30
	2 CEMS & 8 Opacity meter (1 CEMS & 4 Opacity metre already installed in existing plant & 1 CEMS & 4 Opacity metre proposed)	100	20
	Third Party Monitoring	0	25
	APCS adequacy study	0	20
	Sub Total	22370	1347
B	Budget for addressing issues raised in public hearing	2644	
C	Fund as per approved Wildlife Conservation Plan (Deposited to State Govt.)	165	
	Grand Total (A+B+C) in Lakhs.	25179	1347

S.no.	Particulars				Cost (Rs. In Crores)	
					Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/annum)
Grand Total (A+B+C) in Cr.					251.79	13.47
Sn	Court Name	Bench	Case Category	Status	Description of Court	Next Hearing Date
1.	High Court	Principal Bench at Andhra Pradesh	WP (Civil)	Disposed off	A WP was filed by one Mr. Venapusa Siva Sankar Reddy and 4 others to suspend the PH which was slated on 27-3-2025. The HC vide order dated 25-3-2025 disposed of the WP with the following directions: I. It is for the petitioners to participate in the public consultation process pursuant to the public hearing notice, dated 21.02.2025, raising their grievance and also filing written responses, accompanied by the reports, or / and the Order of the Lokayukta, on the subject, conducting public hearing, with the Competent Authority / State Pollution Control Board (SPCB) or the Union Territory Pollution Control Committee (UTPCC), as the case may be. II. If such objections are raised and responses filed in writing, the Competent Authority, conducting the public hearing, shall receive the same, and along with the petitioners' representation dated 02.03.2025, shall forward the same to the Regulatory Authority, with the proceedings of the public consultation; III. Such Regulatory Authority as under the Notification dated 14.09.2006, shall also take that aspect into consideration as raised by the petitioners, and pass speaking Orders, while taking action on the recommendations of the Expert Appraisal Committee (EAC) / State Level Expert Appraisal Committee (SEAC), as per Para-8 of the Notificatio	-

Sn	Court Name	Bench	Case Category	Status	Description of Court	Next Hearing Date
					n, dated 14.09.2006 including its Clause IV. The decision so taken shall also be timely communicated to the petitioners Order attached as an Annexure-A	
2.	High Court	Principal Bench at Andhra Pradesh	WP (Civil)	Disposed off	A Writ Petition was filed by one Mr. Vennapusa Siva Sankar Reddy and 6 others on a limited point of seeking directions to the authorities to complete the enquiry by the High Level Redressal Committee constituted under G. O. No. 90 dt. 17-12-2024 while affording Petitioners a chance of personal hearing furnishing a copy of the report to the Petitioners. The Writ Petition had nothing to do with the EC process as the same was already decided by the Division Bench of the High Court of Andhra Pradesh in W. P. No. 7163 of 2025. The HC vide order dated 18-12-2025 disposed of the WP with the following directions: 1. The District Collector, The Revenue Divisional Officer, The Superintending Engineer - Irrigation Department, The Deputy Director - Mines and Geology, The Deputy Director - Agriculture Department, The Deputy Director - Mines Safety and AP State Pollution Control Board to complete the enquiry in terms of the G. O. No. 90 dated 17.12.2024 within a period of three months from the date of receipt of the copy of this order after giving due opportunity of hearing to M/s Dalmia Cement Bharat Limited 2. That the order dated 18.12.2025 will not come in the way of the officers in giving effect to the directions of the Division Bench of this Court in W. P. No. 7163 of 2025.	-

Sn	Court Name	Bench	Case Category	Status	Description of Court	Next Hearing Date
					Order attached as an Annexure-B	
	Appellate Tribunal under PMLA	Appellate Tribunal Under SAFE MA at New Delhi	Appeal	Disposed off	Case No.: FPA-PMLA-1973/HY D/2025 • Vide order dated 22.09.2025 the Adjudicating Authority under PMLA confirmed the Provisional Attachment Order dated 31.03.2025 vide which certain land parcels of Dalmia Cement (Bharat) Limited ("DCBL") was attached by the Enforcement Directorate, Hyderabad ("ED"). • DCBL challenged the order dated 22.09.2025 before the Appellate Tribunal under SAFEMA at New Delhi ("AT") • The AT vide its Final Order dated 09.03.2026 reduced the Proceeds of Crime to Rs. 92.52 Cr and on the issue of release and substitution of attached land directed DCBL to approach ED. • DCBL vide letter dated 26.03.2026 approached ED requesting release of the properties. • DCBL vide letter dated 17.04.2026 DCBL submitted a Bank Guarantee for Rs. 92.52 Cr. to ED which has been accepted by ED and vide order F. No. ECI R/09/HZO/2011 dated 21.04.2026 (copy of order attached), the ED has released all the properties from attachment. Order attached as an Annexure-C"	-

PMLA Proceedings/ED Case

- Dalmia Cement (Bharat) Limited (DCBL), has received a Provisional Attachment Order dated 31.03.2025 ("PAO") passed under section 5(1) of Prevention of the Money Laundering Act, 2002 (PMLA) from the Enforcement Directorate (ED), Hyderabad on 15 April 2025 (order dated 31 March 2025) in connection with CBI case involving former Andhra Pradesh Chief Minister and YSR Congress party chief YS Jagan Mohan Reddy.
- In pursuance of the PAO, the ED filed an Original Complaint ("OC") under Section 5 (5) of PMLA, 2002 to the Adjudicating Authority, PMLA, New Delhi ("AA"). However, the AA completely ignored the facts/material available on record i.e. the ED rejoinder and reply to the substitution application and vide order dated 22.09.2025 confirmed the PAO.
- Aggrieved by the order dated 22.09.2025 passed by AA, the Company filed an appeal before the Appellate Tribunal under PMLA under Section 26 of the Prevention of Money Laundering Act, 2002.
- The Appellate Tribunal vide its Final Order dated 09.03.2026 has reduced the Proceeds of Crime

("PoC") to Rs. 92.52 Cr only as against Rs. 793.34 as quantified in the PAO.

- In terms of the Order, the Company on 26.03.2026 filed applications representations before the ED for:- a. Substitution of the Attached Properties Worth Rs. 92.52. Cr. b. Release of the Land worth Rs. 284 Cr. as per the order of AT dated 09.03.2026
- On 17.04.2026 DCBL furnished a Bank guarantee of Rs. 92.52 Cr. in favour of the Joint Director, Directorate of Enforcement, Hyderabad.
- Vide letter dated 21.04.2026 ED has accepted the Bank Guarantee and has released the properties.
- As on date there is no attachment of any land parcel of DCBL by the ED.

The observations and recommendation is given as below:

Deliberations by the Committee

"19.2.6 The Committee noted the following:

i. The Committee to acknowledge the information



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ii. The Committee noted that the writ petition is before the Hon'ble High Court relating to the public hearing processes have been



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comment on the PMLA case in this project. The EAC told PP that they should submit all legal documents related to the case to



Ministry, and based on legal and other documents submitted, the Ministry may decide whether the project can be apprais



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In compliance with the above directions, PP would like to submit that the matter relating to provisionally attached properties of M/s Dalmia Cement (Bharat) Limited (DCBL) vide Provisional Attachment Order (PAO) No. 27/HY ZO/2025 dated



31.03.2025 is sued in ECI R/09/HZO/2011 has been lifted. Accordingly, any lien or hold placed on the said properties of D CBL in pursuance of PAO No. 27/HYZO/2025 dated 31.03.2025 also stand lifted. The order for release of the provisionally attached properties of the company, has



been passed by Office of the Joint Director, Enforcement Directorate, Hyderabad, Govt. of India vide order F. No. E CIR/09/HZO/2011 dated 21.04.2026. Now as the attachment of land of the project has been lifted per the directions of the EAC, a fresh proposal has been submitted for th



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Name	Distance	Direction	Mitigation measures
Habitation			
Chinnakomerla	0.02 km	SE	It is proposed to keep Greenbelt of 50 m width along plant boundary towards Chinnakomerla.
Dugganpalli	0.11 km	W	It is about 0.51 km from the manufacturing section (Storage area) of the plant. Residential colony of plant is in between the village and the manufacturing section of plant. Also greenbelt/plantation between plant boundary and plant colony is avg. 50 m width. Also, along the colony boundary towards village, plantation of avg. width of 10 m has been developed. Further, it is proposed to increase the density of these plantations and create wind barrier at the plant boundary towards the settlements of village Dugganpalli.
Nawabpeta	0.54 km	N	This village is about 0.54 km, N from the project boundary. However, it is about 1 km from the plant operation area (railway siding area) and a thick plantation of avg. width about 15 m has been kept between plant & railway siding area. Further between railway siding and habitation 15 m thick plantation is kept. Additionally, it is proposed to increase the density of these plantations towards the settlements of village Nawabpeta.
Peda Komarla	0.95 km	ESE	This village is about 0.95 m, ESE from the plant boundary. However, it is about 1.1 km from the plant operation area (Parking area). A thick plantation of avg. width 25 m between plant operating area and parking area is proposed. Further, along the parking outer boundary towards the village additional greenbelt of 4.5 m will be developed by increasing the tree density upto 2500 trees/ha
Schools			Other General measures:
Primary School, Jammalamadugu, Dugganapalli, Andhra Pradesh	0.9 km	W	
Z.P High School & MPP Schools in Chinnakomerla	0.03 km	SE	
MPP School ,	0.71 K	NNE	

Name	Distan ce	Directio n	Mitigation measures
Nawabpeta, Andhra Prade sh	m		
Hospitals			
Dalmia Dispe nsary	Within the Pla nt colo ny	--	
Place of Worship			
Dalmia Temp le	Within the pla nt colo ny	--	
Sri Ramalaya mu Temple, Chinnakomar la Andhra Pra desh	0.47 K m	SSW	
Sri Lakshmi Chinnakesva Swami Temp le, Chinnako marla, Andhr a Pradesh	0.51 K m	SSW	
Peddamma T halli Temple, Nawabpeta, Andhra Prade sh	0.67 k m	N	
Sanjeevaraya Swami Temp le, Nawabpet a, Andhra Pra desh	0.86 K m	N	
Ramalayam T emple , Naw abpeta, Myla varam, Andhr a Pradesh	1.16 K m	NE	
Water bodies			

Name	Distance	Direction	Mitigation measures	
Nala/Vagu near Project area	0.02 km	NE		
Tigaleru River	1.85 km	East		
Nossam Branch Canal	1.5 km	SE		
Forest				
None within 2 km			Measures as described above under “Other Common Measures” will be implemented	
National park/ Wildlife Sanctuary/ Tiger Reserve				
None within 2 km			Measures as described above under “Other Common Measures” will be implemented	
S. No.	MoEFCC Circular/OM			Applicability/Compliance Status
	Date	Circular Number	Short Description	
1.	08/06/2022	IA3-22/10/2022-IA.III [E 177258]	Standardizing the validity of baseline data and public consultation reports for submission of proposal within the validity period of Terms of Reference (ToR) under the provisions of EIA Notification, 2006-reg.	Complied. Baseline data was collected during Post Monsoon Season i.e. October 2023 – December 2023, which is valid up to Dec. 2026. Public Hearing was conducted on 27 th March 2025 which is valid till 26 th March 2028
2.	07/10/2014 & 20/02/2025	22-76/2014-IA.III	Status of land acquisition w.r.t. project site while considering the case EC under EIA Notification, 2006.	Erstwhile, Eswar Cement Pvt. Ltd. was in possession of 460.491/2 acres (about 186 ha) of land in villages Chinnakomerla (370.741/2 acres) and Dugganpalli (89.75 acres). Out of this total landholding, 120 ha was utilized for establishing the existing cement plant and colony, while the remaining land was retained for potential future requirements. For the present proposal, Dalmia Cement (Bharat) Limited (DCBL) proposes to expand the existing cement plant by utilizing an additional contiguous area of 30 ha. Accordingly, the total land area considered for the current project is 150 ha, comprising 120 ha of existing plant area and 30 ha of proposed expansion area. The balance land from the originally held

S. No.	MoEFCC Circular/OM			Applicability/Compliance Status
	Date	Circular Number	Short Description	
				NA area, falling outside the proposed plant boundary, has been utilized for installation of a Solar Power Plant and is reserved for other permissible ancillary facilities and future expansion requirements. Hence, no additional land acquisition is involved for the proposed expansion, and the project is confined within the land already in possession of the Project Proponent. M/s Eswar Cements Private Limited (ECPL) was amalgamated with M/s Dalmia Cement (Bharat) Limited (DCBL) vide the High Court, Madras, order dated 5th Dec 2008.
3.	14/02/2022	22-39/2020-I A.III	Guidelines for siting in industries which are in close proximity with the River - reg.	Not Applicable. Nearest river is Tigalaru River which is around ~1.85 km, East from plant boundary.
4.	09/09/2011 & its subsequent amendments	J-11013/41/2006-IA.II(I)	Consideration of Projects for grant of environmental clearance under EIA Notification 2006 which involve forestland - further clarification-regarding	Not Applicable. Entire project area is Non-forest land.
5.	24/12/2010	J-11013/41/2006-IA.II(I)	Consideration of Integrated and Inter-linked projects- Procedure	Not Applicable. There is no Interlinked/ Integrated project.
6.	17/05/2022	FC-11/119/2020-FC	Clarification on Requirement of Various Environmental and Forest Clearances for Project/ Activity in Eco-Sensitive Zone and Other Such Areas outside Protected Area - regarding.	Not Applicable. There is <u>no</u> National Park, ESZ, ESA, Wildlife Sanctuary, Elephant corridor, Tiger Reserve, Biosphere Reserve <u>within 10 Km radius</u> of the project.
7.	31/10/2019, 30/12/2019 & 05/07/2022.	22-23/2018-I A.III (Pt)	Compliance of Hon'ble NGT order dated 19.08.2019 (published on 23.08.2019) in O.A. No. 1038 2018 - reg. - Critically Polluted Area/Severely Polluted a. whether project located in CPA/SPA b. Distance of project from CPA/SPA	Not Applicable. The project site is not located in CPA/SPA/O PA etc.

S. No.	MoEFCC Circular/OM			Applicability/Compliance Status
	Date	Circular Number	Short Description	
			c. whether Additional environmental safeguards have been proposed	
8.	08/06/2022	IA3-22/10/2022-IA.III [E 17 7258]	Requirement and validity of Certified Compliance Report (CCR) issued by the IROs of MoEF&CC/MS of SPCBs/ ROs of CPCB-reg.	Certified Compliance Report (CCR) issued by MoEF&CC Regional Office, Vijayawada, A.P. Site visit of Additional Director, MoEFCC, Vijayawada for the same was done on 06.01.2026 and Proposal for EC was submitted to MoEFCC on 22.04.2026. All the conditions of EC have been complied/ being complied.
9.	30/09/2020 & 25/02/2021	22-65/2017-IA.III	Deliberation on the commitments made by project proponent and requirements to address the concerned raised during the public consultation reg.	Issues raised in Public Hearing has been addressed properly with appropriate budget. DC, Kadapa has considered the submitted action plan prepared in line with issues raised in PH and approved the action plan and budget with timeline.
10.	30/09/2011	J-11013/77/2004-IA-II(I)	Accreditation of EIA Consultant by Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET)	Complied. M/s PERFECT ENVIRO SOLUTIONS PVT. LTD. NABET Registered List of Accredited Consultant Organizations/ NABET/EIA/25-28/RA 0467 valid up to 26.11.2028) (An ISO 9001:2008 & ISO 14001:2004 Certified Company)
11.	29.01.2025 & 30.01.2025 And Amendment dated 23.01.2026	G.S.R 84(E) & 85(E) and Amendment- G.S.R. 62(E)	Details on nearby Schools, Villages, Habitations, Archaeological sites, Forest, water bodies and other environmental sensitivity area along with distance and its impact due to the proposed activities and details mitigation measures for appraisal of the EAC	Not applicable as this proposal is for expansion of existing plant. Compliance of Amendment Notification vide G.S.R. 62(E) dated 23.01.2026 is submitted separately in compliance of Agenda Point no. 8.

Written submission by the PP:

Additional Details Sought	Particulars	Compliance status
1. Submit a copy of the order passed by the Andhra Pradesh Lokayukta in Order No. 2029/2021/B1	Lokayukta vide its order dated 05.09.2024 recommended the Chief Secretary to Government, AP to constitute a High-Level Grievance Redressal Committee with the following member	Copy of Lokayukta Order dated 05.09.2024 is submitted. As per the order of Lokayukta, Govt. of AP vide its G.O. MS. No. 90 dated 17.12.2024

Additional Details Sought	Particulars	Compliance status
dated 05.09.2024 along with point-wise compliance status and comments on the observations made therein.	s: The committee should:- a) Examine the reports of the Superintendent Engineer dated 02.03.2023 and the Deputy Director (Investigation) of this Institution and hear the villagers, to identify all impacts of the factory's construction, particularly the obstruction caused by the bund and compound wall and pollution emanates from the factory. b) Engage with Dalmia Cement Management and persuade the management of M/s Dalmia Cement to acquire the affected agricultural lands, whose survey numbers are listed in the objections/ representation dated 05.09.2024 of the villagers, under the provisions of the Land Acquisition, Rehabilitation, and Resettlement Act or for market value and ensure a permanent solution for the villagers. If acquisition of the affected lands is not feasible, explore alternative compensation mechanisms or rehabilitation options for affected farmers, including resettlement to non-flood-prone areas. The committee also ensure a suitable and long-term solution to the villagers' grievances, thereby reducing the impact of Dalmia Cement's operations on their livelihood and health and submit action taken report.	(submitted) constituted a High-Level Grievance Redressal Committee under the chairmanship of Collector and other Members as per the order. Further TOR was also issued for the committee. The same concerns/complaints made to Lokayukta, were raised again by the complainants/villagers in the Public Hearing in compliance to the Hon'ble High Court Order on W. P. No. 7163 of 2025 dated 25.03.2025 (submitted). District Collector in order to address all the issues/complaints raised before Lokayukta as well as in the Public Hearing conducted on 27.03.2025 and subsequent discussions DCBL Management and other stakeholders, approved the action plan vide letter no. REV-ESECOMSE/25/2025-SA(E3)-KDP CO, C.NO. 597004 dated 03.12.2025 communicated the action plan (submitted) and its resolution to all concerned departments namely WRD, APPCB, Revenue, Housing, Agriculture, Mine Safety, DMG, Educational, Skill Development. Subsequently, Collector & District Magistrate, Y.S.R. Kadapa District had submitted the action plan to MoEFCC vide letter No. K-217/PCB/RO/KDP/2025 dated 22.12.2025 (submitted). Also, WRD has given NOC for the expansion of the project vide letter No. TW/ATO/785 dated 15.11.2025 (submitted) after obtaining undertaking from DCBL (submitted). It is submitted that all the complaints have been addressed in the action plan submitted by District Collector to MoEFCC vide above referred letter.
2. Submit authenticated copies of the reports of the Irrigation Department dated 02.03.2023 and 20.06.2024 along with point-wise reply and action taken by the project proponent.	Copy of the letters of SE, WRD dated 02.03.2023 attached as an Annexure 8 and letter from Executive Engineer, WRD dated 20.06.2024 attached as an Annexure 9. As the letters & Reports were not marked to the company, it is not available with us, however, as per part of Public Hearing Documents, same was available. Copies of same are attached for reference.	WRD has given NOC for the expansion of the project vide letter No. TW/ATO/785 dated 15.11.2025 (submitted) after obtaining undertaking from DCBL (submitted). In the said NOC, it is stated that:

Additional Details Sought	Particulars	Compliance status
3. Submit a copy of G.O.Ms.No.90 dated 17.12.2024 and clarify its applicability and compliance status with respect to the project.	Copy of Govt. of AP G.O. MS. No. 90 dated 17.12.2024 is attached as an Annexure-2 .	In GO, Govt, of AP constituted a High-Level Grievance Redressal Committee under the chairmanship of Collector and other Members as per the Lokayukta order. Further TOR was also issued for the committee. Details given in Point no. 1 above.
4. Submit copies of the directions / orders passed by the Andhra Pradesh High Court in W.P. No. 7163 / 2025 along with present status of the case and compliance thereof.	The copy of order is attached as an Annexure 3 . A WP was filed by one Mr. Vennapusa Siva Sankar Reddy and 4 others to suspend the PH which was slated on 27-3-2025. The HC vide order dated 25-3-2025 disposed of the WP with the following directions:	
	I. It is for the petitioners to participate in the public consultation process pursuant to the public hearing notice, dated 21.02.2025, raising their grievance and also filing written responses, accompanied by the reports, or / and the Order of the Lokayukta, on the subject, conducting public hearing, with the Competent Authority / State Pollution Control Board (SPCB) or the Union Territory Pollution Control Committee (UTPCC), as the case may be.	
	II. If such objections are raised and responses filed in writing, the Competent Authority, conducting the public hearing, shall receive the same, and along with the petitioners' representation dated 02.03.2025, shall forward the same to the Regulatory Authority, with the proceedings of the public consultation;	
	III. Such Regulatory Authority as under the Notification dated 14.09.2006, shall also take that aspect into consideration as raised	

Additional Details Sought	Particulars	Compliance status
	ed by the petitioners, and pass speaking Orders, while taking action on the recommendations of the Expert Appraisal Committee (EAC) / State Level Expert Appraisal Committee (SEAC), as per Para-8 of the Notification, dated 14.09.2006 including its Clause	
	IV. The decision so taken shall also be timely communicated to the petitioners	
5. Submit a detailed report, authenticated by the concerned Government Department/expert institution, on whether the project has obstructed natural flood flow or affected Nawa bpeta Alugu Vaagu and Dugganapalle Vanka streams. The report shall include drainage maps, satellite imagery, and mitigation measures undertaken, if any.	Letters of SE, WRD dated 02.03.2023 attached as an Annexure 8 and letter from Executive Engineer, WRD dated 20.06.2024 attached as an Annexure 9 and WRD NOC dated 15.11.2025.	As per the latest Letter NO TW/ATO/785 M dated 15.11.2025 granting NoC for proposed expansion of Integrated Cement Plant, Mines and Proposed Mines of DCBL, a technical committee has assessed the hydrological risks and suggested necessary steps to obviate the difficulty of flooding. In that letter there is no mention of obstruction to flow because of the Project. However, WRD has recommended to increase the carrying capacity of Alugu Vagu by widening. Desilting, bank strengthening and improving the cross-section profile, for which DCBL has given an undertaking to abide by the WRD findings and has committed financial outlay of Rs 5.50 Cr. Subsequently the same has been incorporated in the Action Plan report submitted by Collector & District Magistrate, Y.S.R. Kadapa District to MoEFCC vide letter No. K-217/PCB/RO/KDP/2025 dated 22.12.2025 (submitted). The Company has constructed a bund along the Alugu Vagu within the mining lease area without disturbing Alugu Vagu and its flow, in compliance with the Environmental Clearance (EC) conditions and directions of the Directorate General of Mines Safety (DGMS). Further, the Company has constructed a compound wall along the Alugu Vagu in the plant boundary without disturbing the natural course of the Vagu or altering the drainage pattern of the area. However, it is a matter of record that flash floods have occurred in the area from time

Additional Details Sought	Particulars	Compliance status
		to time, even prior to the establishment of the plant and commencement of mining operations, as is evident from earlier complaints and historical occurrences. Such flooding may be attributable to several external factors beyond the control of the Company. Further, the detailed report of the Superintending Engineer, Irrigation Circle, Kadapa dated 02.03.2023 records that the concerned stream is a major drainage channel of about 48 km length in the Kundu Sub-basin system traversing multiple villages before joining River Kundu. The report further records that during monsoon periods, the stream carries flood discharge of about 956.78 cumecs (approximately 33,788 cusecs). Thus, the flooding phenomenon is clearly attributable to regional hydrological and catchment characteristics and not to any isolated industrial activity. It is also pertinent to note that the width of the nalla/vagu has reduced over a period of time due to various factors not attributable to the Company. Several developmental and infrastructural activities have taken place in the surrounding region, including construction of roads, weirs, and other public works, which may have contributed to the present situation. Hence, the flooding issue is a cumulative and regional drainage management issue involving multiple external factors. The Company remains fully committed to cooperating with all Government departments and implementing scientifically designed mitigation measures for sustainable management of the drainage system and protection of surrounding habitations and agricultural lands. The proposed expansion may therefore be considered independently on its technical merits, subject to continued compliance with environmental safeguards and implementation of appropriate mitigation measures in coordination with the competent authorities. Report and write up submitted.

Additional Details Sought	Particulars	Compliance status
6. Submit Revised CER budget/Action Plan.	CER budget/Action plan to address the issues raised during Public Hearing and other socio-economic developmental work has been revised from earlier Rs. 28.44 Crores to Rs. 42 Crores.	Revised CER budget / Action plan is submitted.
7. Affidavit confirming non-obstruction of the natural flood flow and no adverse impact on Nawabpetta Alugu Vagu	Affidavit confirming non-obstruction of the natural flood flow and no adverse impact on Nawabpetta Alugu Vagu as directed by the Hon'ble Expert Appraisal Committee (EAC) is being submitted herewith.	An Affidavit confirming non-obstruction of the natural flood flow of Alugu Vagu is submitted.
8. Submit Life Cycle Assessment & Carbon Sequestration Study modified as per ICFRE.	Life Cycle Assessment & Carbon Sequestration Study report has been modified as per ICFRE.	Modified Life Cycle Assessment & Carbon Sequestration Study report is submitted.

3.1.3. Deliberations by the committee in previous meetings

N/A

3.1.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

1. The instant proposal is for expansion of existing Integrated Cement Plant (Clinker, Cement & WHRS) by installation of a new line of clinkerisation & cement grinding with WHRS for enhancement of production of cement (OPC/PPC/PSC/Composite Cement/ SRPC, GGBFS and other varieties of cement) from 4.6 MTPA to 12.6 MTPA , Clinker from 2.6 MTPA to 7.6 MTPA & WHRS from 12 MW to 28 MW.
2. The existing project was accorded Environmental Clearance vide letter.no. J-11011/76/2007-IA-II (I)dated 05.04.2007 in the name of Eswar Cement Pvt. Ltd. and subsequently transferred to Dalmia Cement (Bharat) Ltd. vide letter dated 05.09.2007. Consent to Operate for the existing unit was accorded by Andhra Pradesh State Pollution Control Board vide lr. no. 365704APPCB/KNL/KDP/CTO&HWA/HO/2024- dated 30.03.2024. The validity of CTO is up to 28.02.2029.
3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting

the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is a brownfield proposal. Accordingly, SPCB furnished its comments vide letter dated 04.05.2026. The EAC apprised the proposal taking into consideration the comments of SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The PP reported that the existing plant area is 120 ha including plant and colony area. With the installation of proposed New Line-II, plant area will increase from existing 120 ha to 150 ha. Additional area is contiguous & in possession of the company and converted for industrial use.
9. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that the nearest habitations include Chinnakomerla at 20 m in South, Dugganapalli village located at about 110 m and Nawabpet village at about 540 m, Peda Komerla at 0.95 km from the project site. Educational institutions in the vicinity include Z.P. High School and MPP Schools at Chinnakomerla (~30 m, SE), Primary School at Dugganapalli (~0.9 km, W), and MPP School at Nawabpet (~0.71 km, NNE). A religious structure, Sri Mulamma Temple, is located at approximately 290 m in the west direction. Water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, a nala at about 20 m in the north-east direction, Nossam Branch Canal at about 1.5 km in the south-east direction along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.
10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
11. It is observed that a Nallah/Vagu is passing adjacent to the plant. In this regard, the project proponent has submitted a NOC from WRD obtained vide letter no. TW/ATO/785 dated 15.11.2025. The Committee further noted that as per the WRD assessment, the flooding is attributable to regional hydrological characteristics of the drainage basin and not solely due to the project. The PP has submitted an undertaking and earmarked a budget of Rs. 5.5 Crores for widening, desilting, bank strengthening, and improving the cross-sectional profile of Alugu Vagu, along with an affidavit confirming non-obstruction of natural flow.
12. The Committee noted the submissions of the Project Proponent regarding flooding in the surrounding area and observed that, as per the assessment of the Irrigation Department, the Alugu Vagu forms part of a larger drainage system in the Kundu sub-basin and carries significant monsoonal discharge. The Committee further noted that flooding in the region is a cumulative phenomenon influenced by regional hydrology and catchment characteristics and cannot be attributed solely to the project. The Committee noted that the Project Proponent has submitted an affidavit confirming that the project has not obstructed the natural flow of Alugu Vagu and shall not adversely impact the drainage pattern in the area, and committed to implement all necessary mitigation measures. However, the Committee emphasized that the Project Proponent shall implement all mitigation measures as recommended by the Water Resources Department in a time-bound manner in coordination with concerned authorities.
13. Further, water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, Nossam

Branch Canal at about 1.5 km in the south-east direction along with other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures for all the water bodies.

14. Existing Water requirement is 2015 m³/day (1800 KLD fresh water & 215 KLD treated water), which is obtained from the existing Rainwater Sump at Plant & Mine site and Ground Water. The water requirement for the proposed Line-2 is estimated as 1835 m³/day, out of which 1740 m³/day of fresh water requirement will be obtained from the existing Rainwater Sump at the Plant & Mine site. Total water requirement after proposed expansion will be 3850 KLD out of which 3475 KLD fresh water (1800 KLD ground water existing permission, No change and remaining from Rainwater at Mine & plant) and 375 KLD treated water. The EAC opined that the PP shall secure the required approval from the appropriate authority. Further, the Committee emphasized that the project proponent shall explore alternative sources of water to minimize dependency on groundwater.

15. **PH and Court Case**

16. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LIFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
17. It is reported that as per the amended Wildlife Protection Act (WLPA) 2022, a total of 14 species are listed under Schedule-I. Conservation plan of schedule-I species was approved in line with Wildlife (Protection) Act, 1972 and further re-validated as per amendment in Wildlife (Protection) Act, 2022 by Principal Chief Conservator of Forests & HoFF and Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden (FAC), Andhra Pradesh vide letter dated 04/10/2021 and vide Rc.no. 21024/2019/WL-2, dated 11/09/2024 respectively. Budget of Rs. 1.65 Crores was allocated for implementation for WLCP and amount has been deposited by the company in the account of Wildlife Conservation projects & CSR (WLC & CSR). The EAC opined PP shall ensure strict compliance with the recommendations of the approved plan in consultation with State Forest Department.
18. The PP reported that existing green belt has been developed in 40 ha area which is 33% of the existing plant area i.e. 120 ha as per granted EC with total sapling of 100000 trees. As per the Office Memorandum dated 29.10.2025, Section 6-B, as this is a Red Category project, a minimum of 25% of the total project area shall be maintained as Greenbelt/Plantation. The Greenbelt will inter alia, cover the peripheral area of plant premises. A minimum of 25% of the total project area shall be maintained as greenbelt/plantation, considering the project falls under the Red Category. The EAC deliberated on the greenbelt action plan and is of the opinion that 33% greenbelt shall be maintained in the existing project area of 120 ha, whereas PP may undertake greenbelt in the 25% of the additional project area of 30 ha in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. The greenbelt development shall be completed within a period of 1 year.
19. PP reported that few trees will be cleared during installation of Line-II. Permission has been obtained from Forest Department, Govt. of Andhra Pradesh vide Rc. No. 2149/2025/A8 dated 26.12.2025. The Committee emphasized that tree felling shall be limited to bare minimum and in consultation and supervision of State Forest Department.
20. The Committee deliberated on the details of carbon footprint and carbon sequestration study with respect to the proposed project. The Committee noted that the Project Proponent has submitted the revised Life Cycle Assessment and Carbon Sequestration Study in line with the recommendations of ICFRE, and the same was found to be satisfactory.
21. The EAC deliberated on the other written submission of the project proponent and found it satisfactory.
22. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
23. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and

recommended for grant of environmental clearance.

24. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
25. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

3.1.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.1.6. Details of Environment Conditions

3.1.6.1. Specific

Specific	
1.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
2.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
3.	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
4.	Chinnakomerla at 20 m in South, Dugganapalli village located at about 110 m and Nawabpet village at about 540 m, Peda Komerla at 0.95 km from the project site. Educational institutions in the vicinity include Z.P. High School and MPP Schools at Chinnakomerla (~30 m, SE), Primary School at Dugganapalli (~0.9 km, W), and MPP School at Nawabpet (~0.71 km, NNE). A religious structure, Sri Mulamma Temple, is located at approximately 290 m in the west direction. Water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, a nala at about 20 m in the north-east direction, Nossam Branch Canal at about 1.5 km in the south-east direction along with other sensitive receptors within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring

	programme.
5.	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
6.	Project Proponent shall strictly comply with all conditions stipulated in the NOC issued by the Water Resources Department vide letter no. TW/ATO/785 dated 15.11.2025 and implement the recommended measures for widening, desilting, bank strengthening, and improvement of the cross-sectional profile of Alugu Vagu, with the committed financial outlay of Rs. 5.5 Crores, in a time-bound manner in coordination with the concerned authorities. Project Proponent shall ensure that no obstruction to the natural flow of Alugu Vagu or alteration of the natural drainage pattern occurs at any stage of construction or operation of the project, and the undertaking/affidavit submitted in this regard shall be strictly adhered to. Progress and compliance status shall be submitted periodically to the Integrated Regional Office (IRO), MoEF&CC.
7.	Further, water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, Nossam Branch Canal at about 1.5 km in the south-east direction along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented for all the water bodies.
8.	Total water requirement after proposed expansion will be 3850 KLD out of which 3475 KLD fresh water (1800 KLD ground water existing permission, No change and remaining from Rainwater at Mine & plant) and 375 KLD treated water. PP shall secure the required approval from the appropriate authority.
9.	Green Belt shall be developed and maintained in the 33% of existing project area of 120 ha, whereas PP to undertake greenbelt in the 25% of the additional project area of 30 ha as proposed in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop within a period of one year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
10.	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in).
11.	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 42 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. Project Proponent shall also ensure to comply with the directions of the Hon'ble Lokayukta vide order dated 05.09.2024 and the recommendations of the High-Level Grievance Redressal Committee constituted by the Government of Andhra Pradesh vide G.O. Ms. No. 90 dated 17.12.2024, as approved by the District Collector & District Magistrate, Kadapa vide letter dated 22.12.2025. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
12.	PP shall implement the skill development programs, in alignment with relevant Government initiatives/programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities

	for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1 3.	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
1 4.	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1 5.	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1 6.	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
1 7.	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1 8.	The project proponent shall implement training and awareness programmes on natural/organic farming in consultation with the local Gram Panchayat, including distribution of quality seeds, promotion of organic farming practices, and facilitation of linkages for procurement of organic inputs, as committed. The activities shall be carried out in a structured and time-bound manner with measurable outcomes.
1 9.	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
2 0.	PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
2 1.	PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
2 2.	Tree felling shall be limited to bare minimum with due permission and in consultation and supervision of State Forest Department

3.1.6.2. Standard

3(b)	Cement plants
Statutory compliance	
1.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
2.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
Air Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
3.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
6.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
9.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
10.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

1 1.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
1 2.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
1 3.	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
1 4.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
1 5.	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
1 6.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
Air Quality Monitoring and Preservation in case of Integrated Cement Plants	
1.	Provide Low NO _x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO _x emissions.
2.	The emission norms applicable for the cement plant shall be adhered to.
3.	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
4.	DeSO _x system shall be provided dry type. NO _x level shall be maintained below 600 mg/Nm ³ by using best available technology.
5.	Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limits.
6.	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
7.	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
8.	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
9.	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

Water Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.	Water meters shall be provided at the inlet to all unit processes in the plants.
5.	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
6.	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
7.	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
8.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
9.	Air Cooled condensers shall be used in the captive power plant.
Noise Monitoring and Prevention	
1.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
2.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
3.	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.
Energy Conservation Measures	
1.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
2.	Provide LED lights in their offices and residential areas.

Energy Conservation Measures in case of Integrated Cement Plants	
1.	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
2.	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
3.	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
4.	Waste heat recovery system shall be provided for kiln and cooler.
Waste Management	
1.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
2.	Kitchen waste shall be composted or converted to biogas for further use.
3.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
5.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
Green Belt	
1.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
2.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
3.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
Public Hearing and Human Health Issues	
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

2.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
3.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
Environment Management	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
2.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented

6.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
7.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
8.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
9.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
11.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
13.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
17.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3.2. Agenda Item No 2:

3.2.1. Details of the proposal

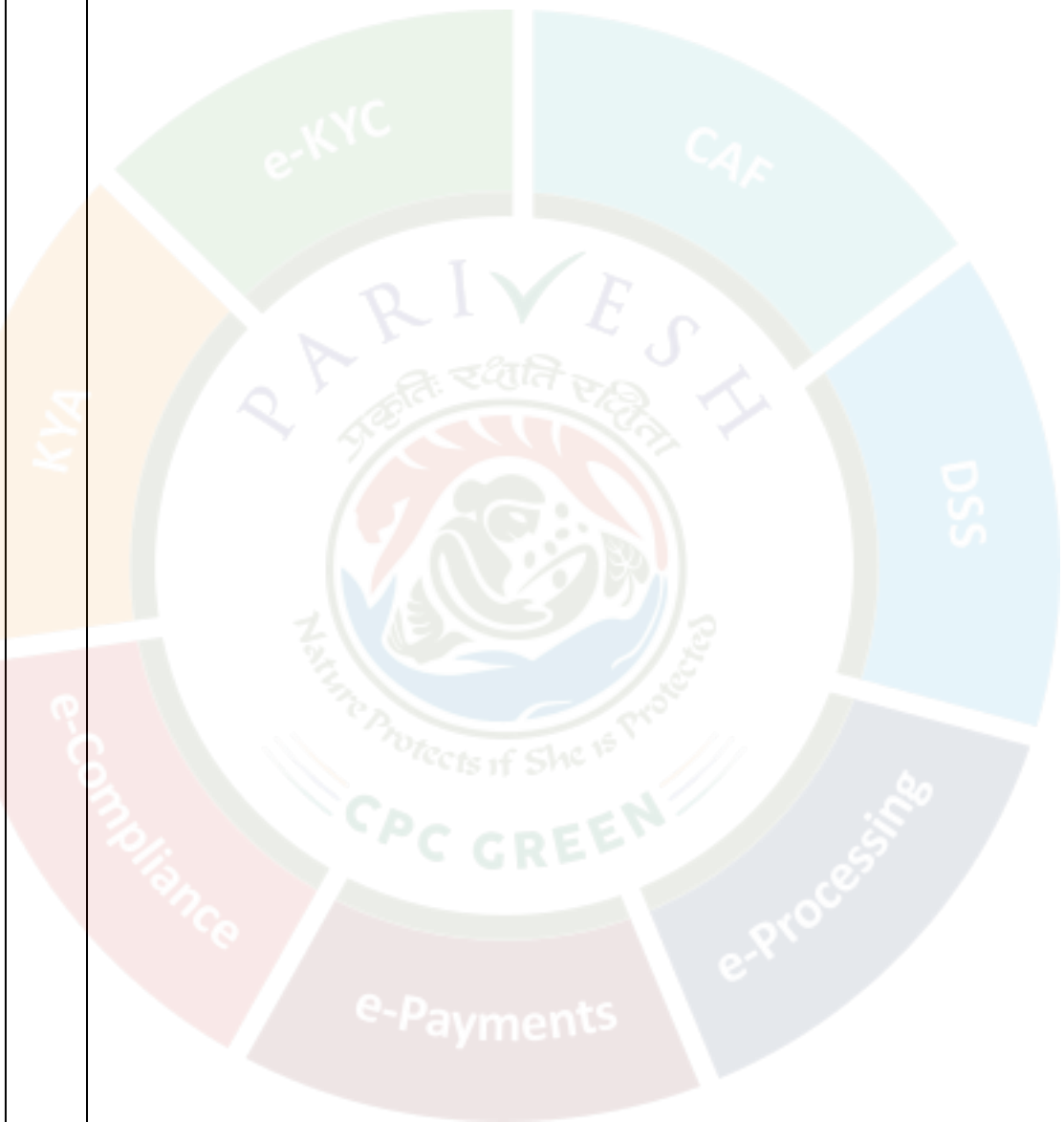
Proposed expansion of Bhilai Steel Plant, Steel Authority of India Ltd, from 7.5 MTPA Hot Metal to 8.8 MTPA, 7.0 MTPA Crude Steel to 8.3 MTPA and from 6.3 MTPA Finished Steel to 7.55 MTPA at Bhilai, Chhattisgarh by M/s Steel Authority of India Limited by STEEL AUTHORITY OF INDIA LTD located at DURG, C

HHATTISGARH			
Proposal For		Expansion EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/CG/IND1/567660/2026	J-11011/28/2007-IA-I I(I)	14/04/2026	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

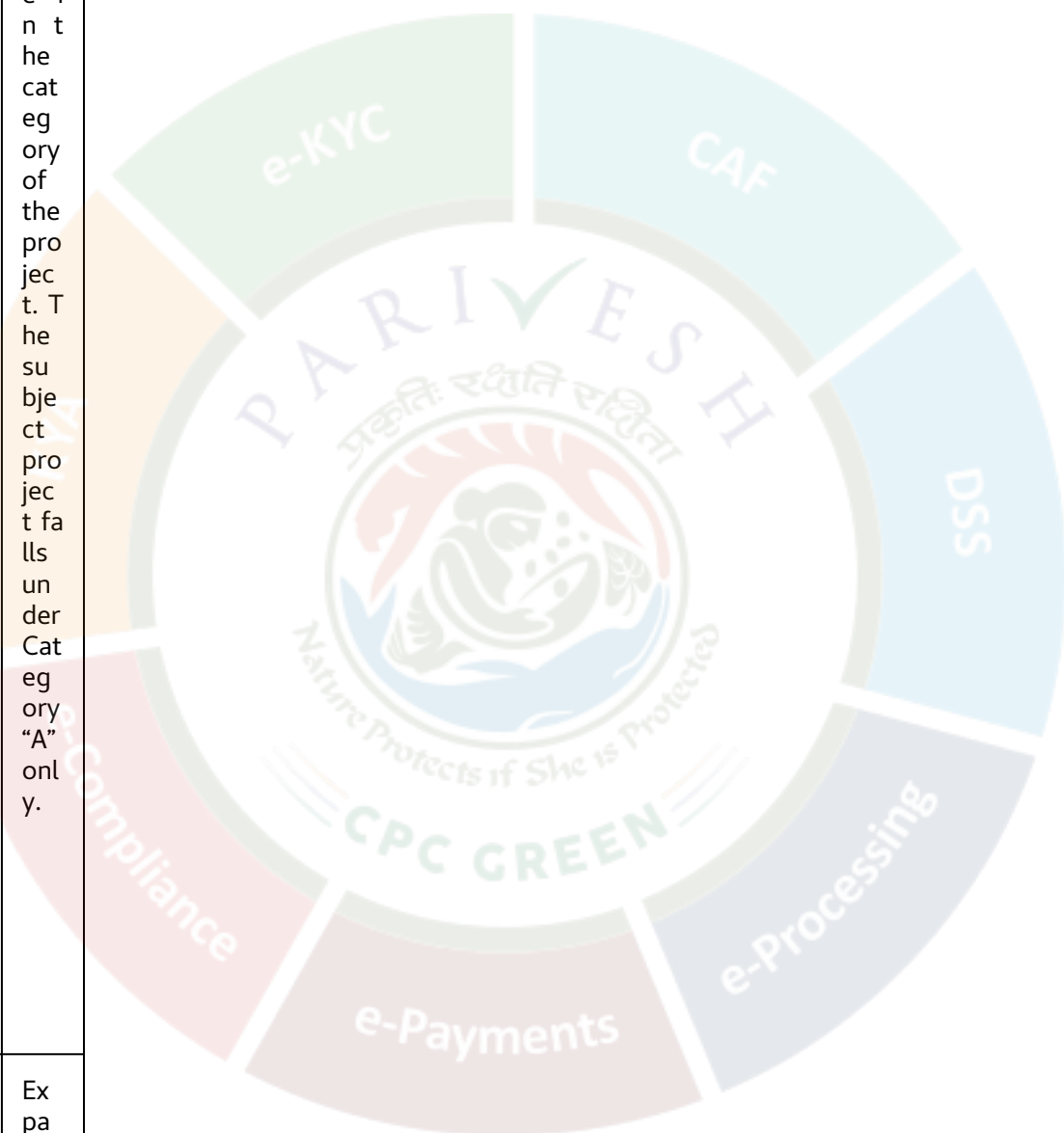
3.2.2. Project Salient Features

[Proposal no.: IA/CG/IND1/567660/2026; File No. IA-J-11011/28/2007-IA-II (IND-I)] [Consultant: M. N. Dastur and Company (Pvt.) Ltd.; Valid upto: 17.11.2028]		
S. No.	Conditions	Reply of PP
	The project should have gone through the public hearing process, at least once, for its existing EC capacity	Public hearing for 7 MT PA expansion held on 08.06.2018.

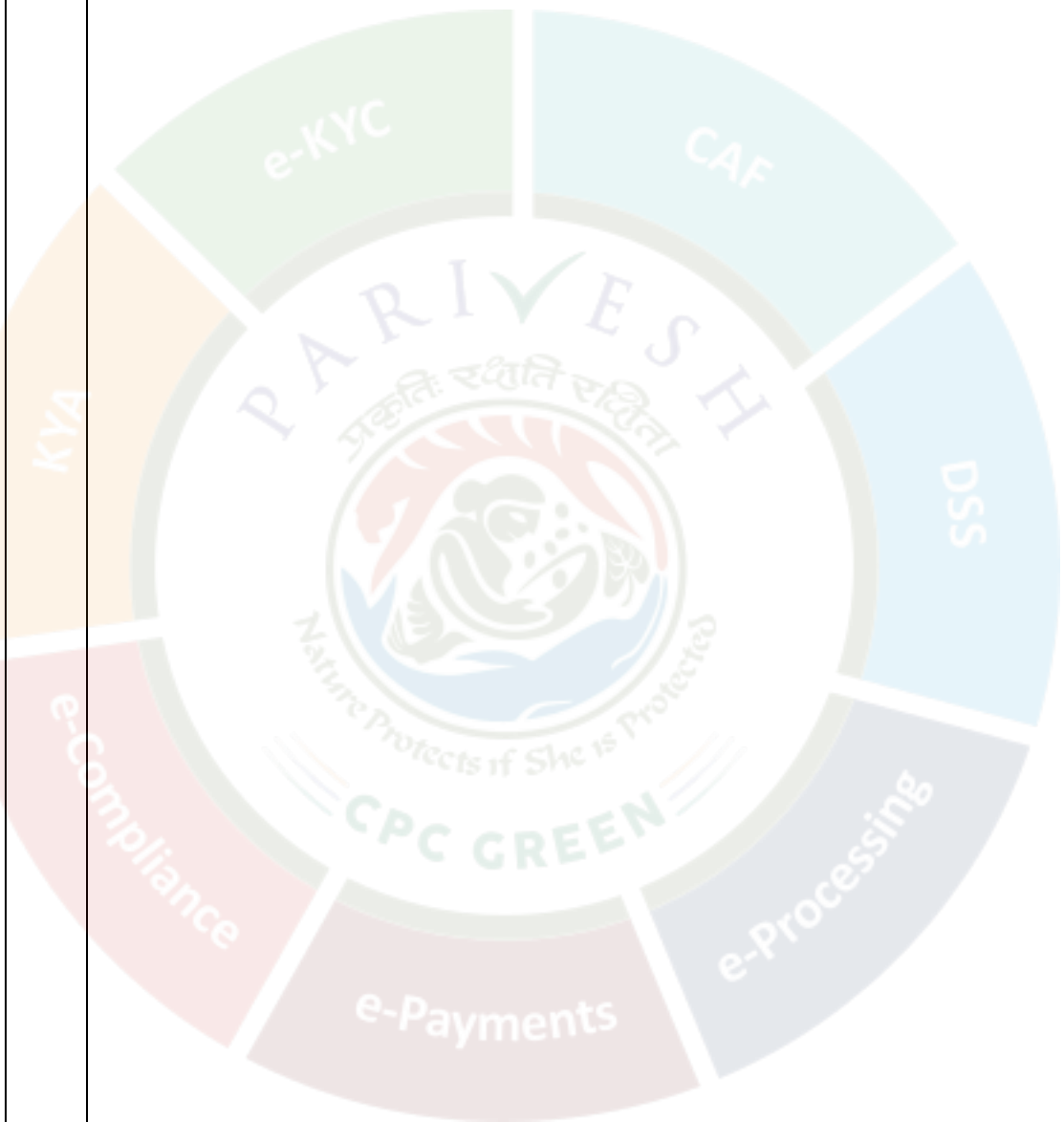
S. N o.	Co ndi tio ns	Re ply of PP
	n whi ch exp ans ion is b ein g s ou gh t, e xce pt tho se cat eg ori es of pro jec ts whi ch hav e b ee n e xe mp ted as per par a 7 III (i) o f El A No tifi cati on 20 06 and it s a me nd me nt s.	

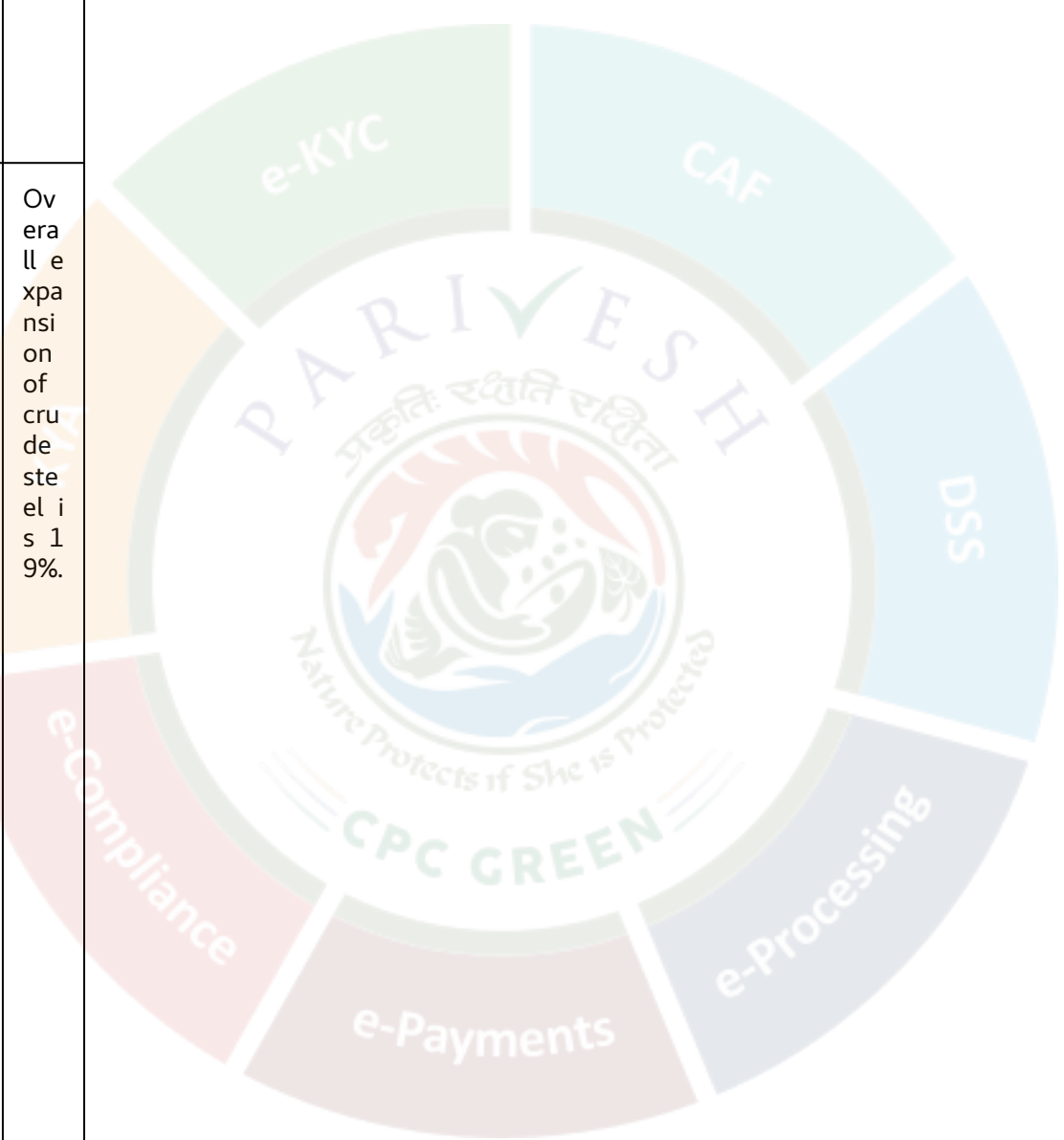


S. N o.	Co ndi tio ns	Re ply of PP
	Th ere sh ould n ot be cha ng e in Cat eg ory of t he pro jec t fr om 'B2' to ' B1' or ' A' du e t o p rop ose d mo der nis ati on or exp ans io n.	Th ere is n o c ha ng e i n t he cat eg ory of the pro jec t. T he su bje ct pro jec t fa lls un der Cat eg ory "A" on ly.
	Th ere is n o a ddi tio nal lan d a cq uisi tio n o r fo	Ex pa nsi on pro po sed wit hin exi sti ng lan d b

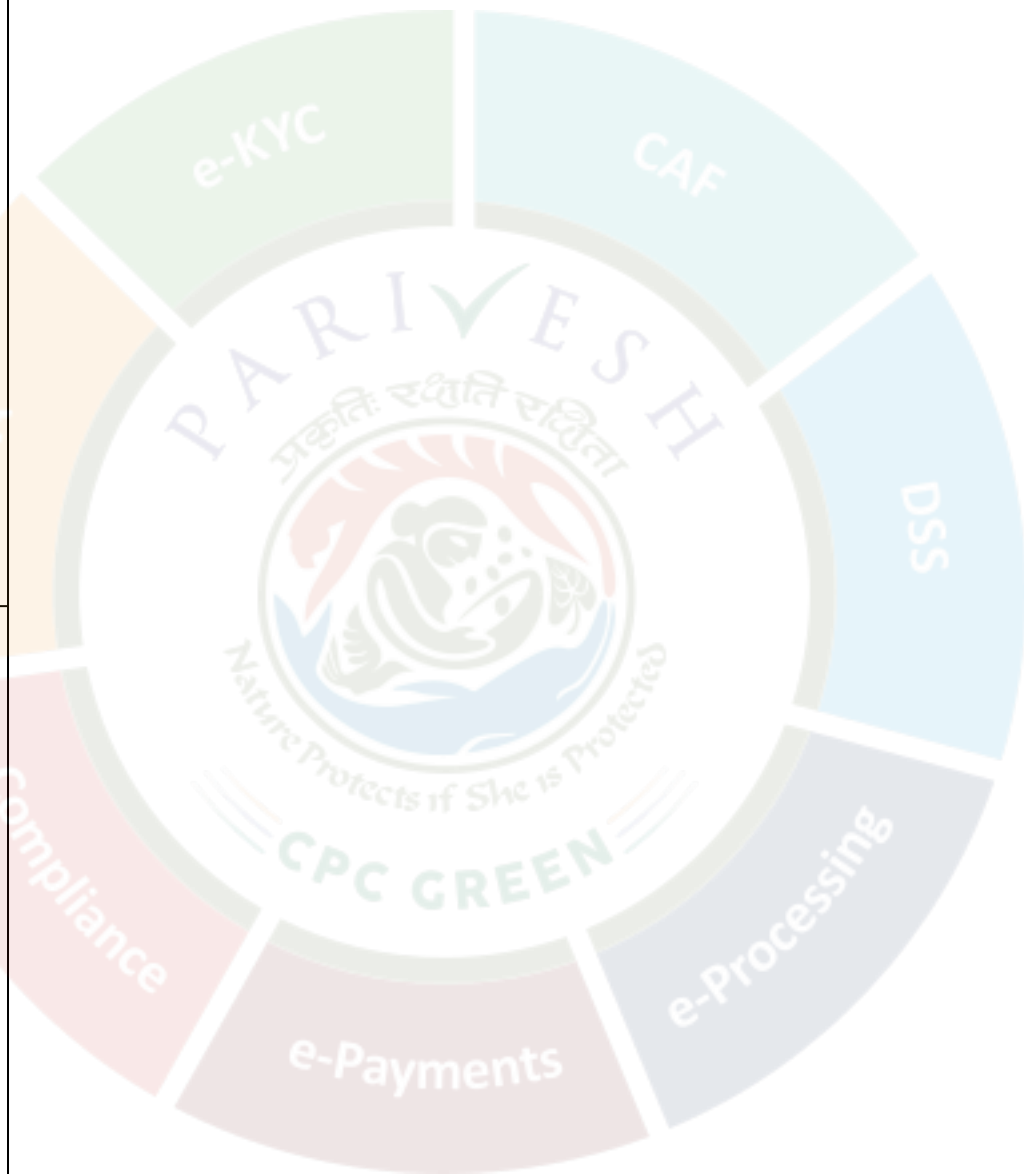


S. N o.	Co ndi tio ns	Re ply of PP
	res t la nd div ers ion inv olv ed for the pro po sed exp ans ion or the re i s n o i ncr eas e in lea se are a w ith reg ard to mi nin g vi s- a- v is t he are a me nti on ed in t he EC, bas ed on whi ch pu	ou nd ary of SAI L B SP.

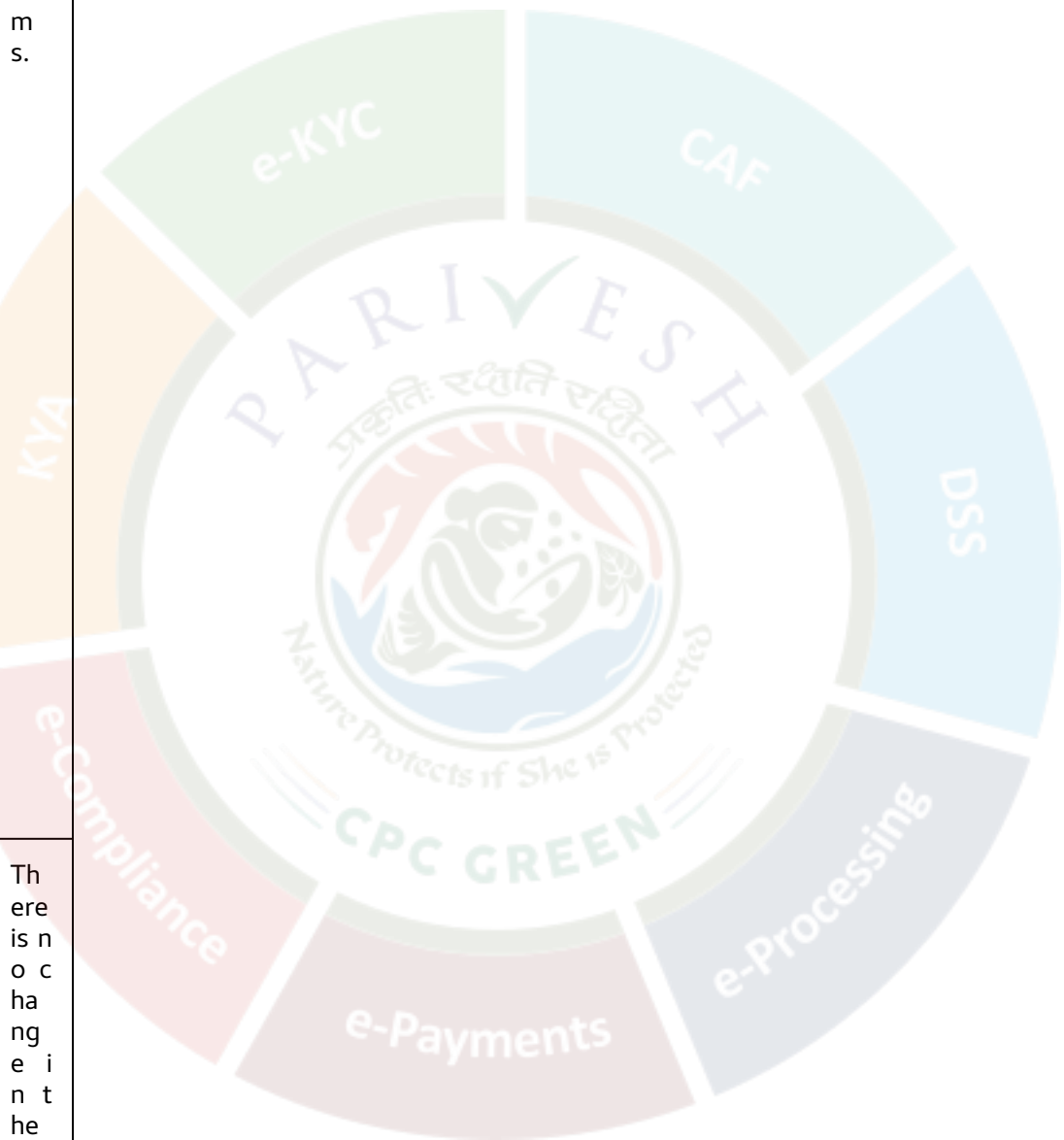


S. N o.	Co ndi tio ns	Re ply of PP
	blic hea rin g h as be en hel d e arli er.	
	Th e p rop ose d e xpa nsi on sha ll n ot be mo re t ha n 5 0% of pro du cti on cap acit y a s me nti on ed in t he pri or EC, iss ue d o n t he bas is o f p	 Overa ll e xpa nsi on of cru de ste el i s 1 9%.

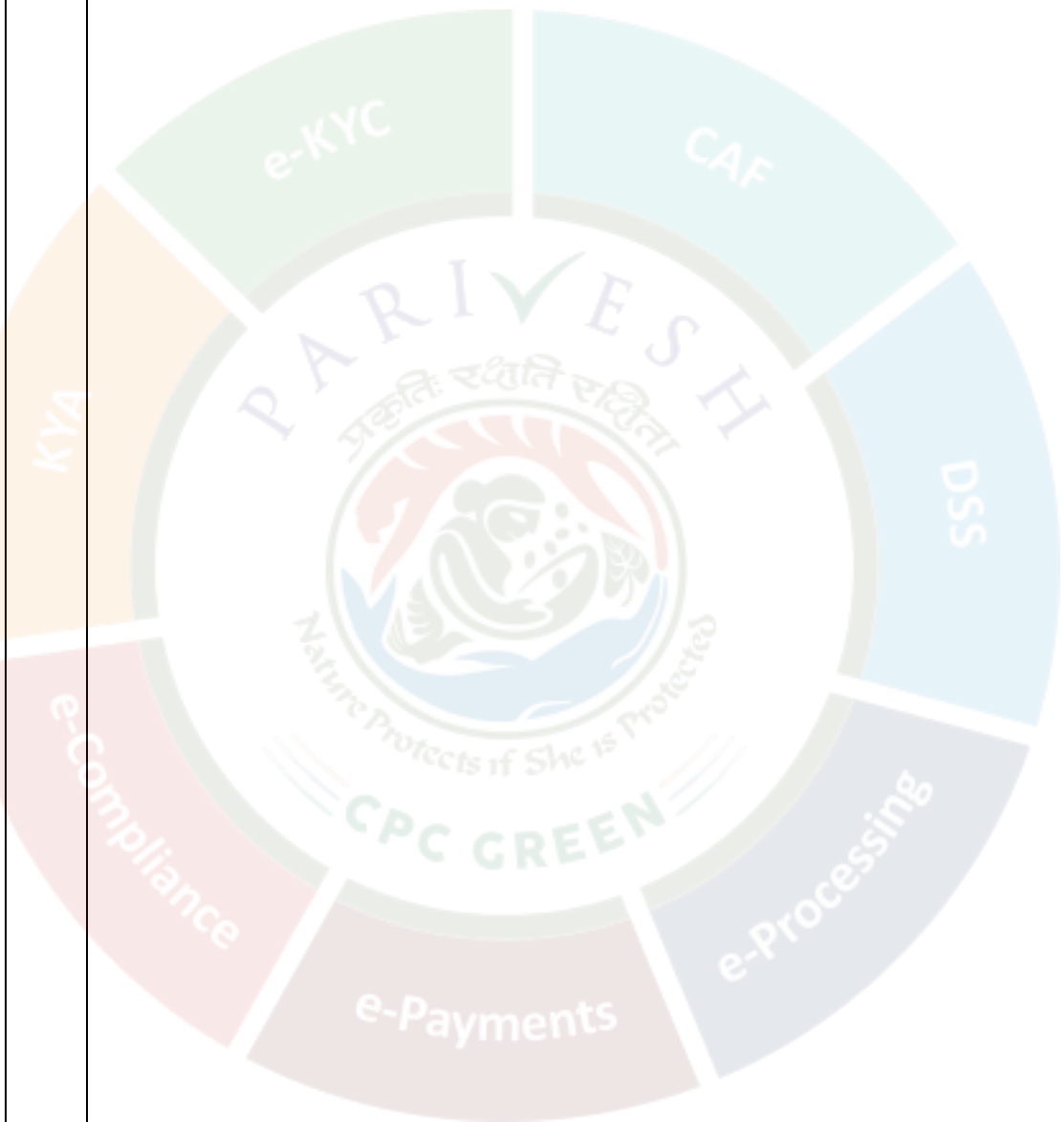
S. N o.	Co ndi tio ns	Re ply of PP
	ubl ic h ear ing hel d a nd the sa me sha ll b e al lo we d i n mi ni mu m t hre e p has es.	
	Pre dic ted env iro nm ent al qua lit y p ara me ter s a risi ng out of pro po sed exp ans ion / m od ern izat	All env iro nm ent al par am ete rs du e t o a ddi tio nal pol luti on loa d o f e xpa nsi on pro jec t ar e



S. N o.	Co ndi tio ns	Re ply of PP
	ion shall be within the prescribed norms and the same shall be maintained as per prescribed norms.	within prescribed norms.
	The proposed expansion should not result in reduction in the gre	There is no change in the green belt area.



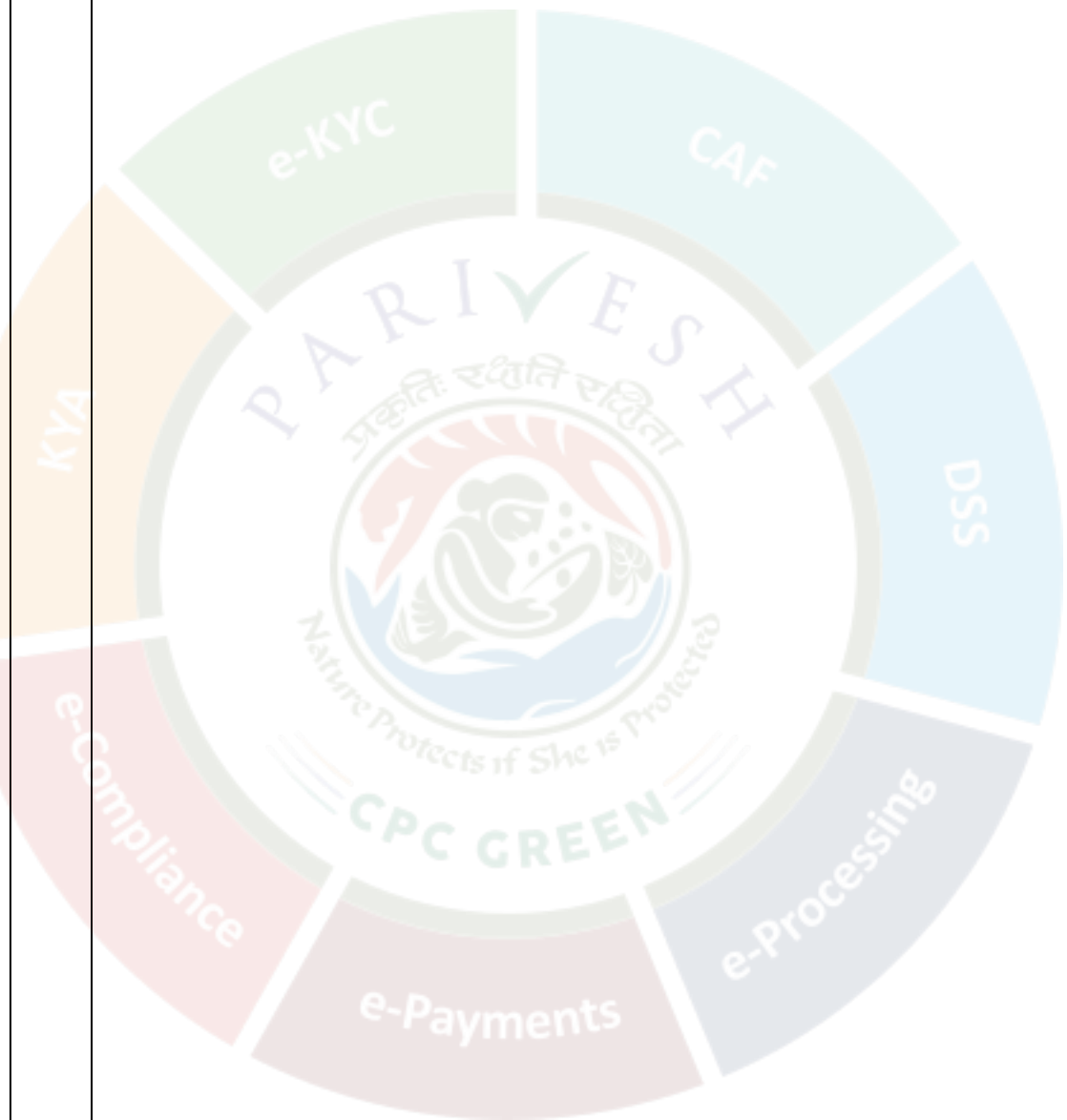
S. N o.	Co ndi tio ns	Re ply of PP
	en bel t ar ea as sti pul ate d i n t he ear lier EC, or i f th e e xist ing rati o o f gr ee nb elt is mo re t ha n 3 3%, aft er exp ans ion it s ho uld not red uce bel ow 3 3%.	
	Th e p roj ect pro po ne nt	CC R i ssu ed on 17. 11. 20



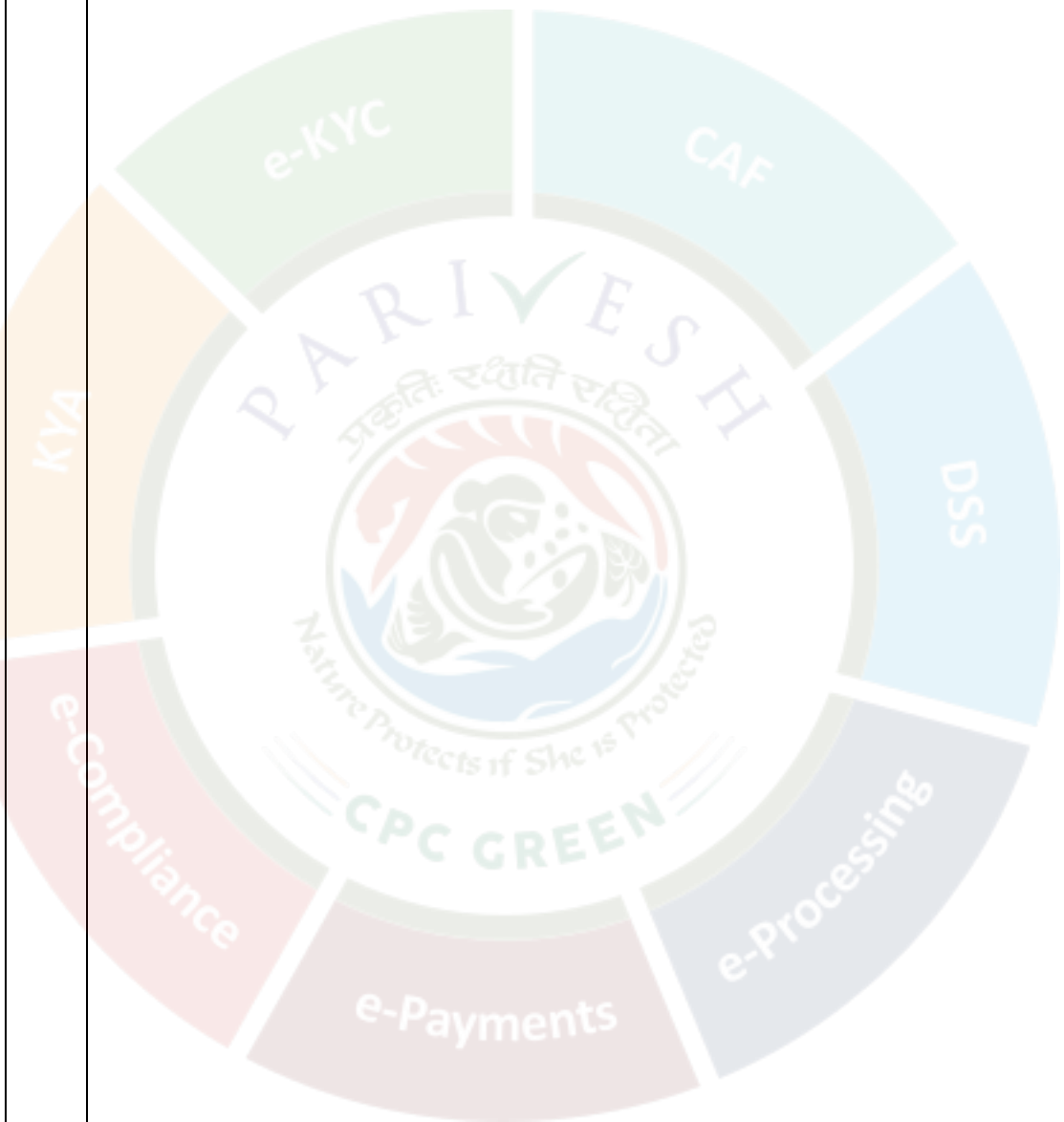
S. N o.	Co ndi tio ns	Re ply of PP
	sh ould h ave sati sfa cto rily co mp lied the co ndi tio ns sti pul ate d i n t he exi sti ng EC(S) an d s atis fac to ri ly f ulfi lle d a ll t he co m mit me nts ma de dur ing the ear lier pu blic hea rin g/	25 an d A TR su bm itte d o n 1 9.1 2.2 02 5 Re vie w r ep ort on AT R i ssu ed on 27. 03. 26 an d f urt her act ion tak en rep ort su bm itte d o n 1 2.0 4.2 02 6



S. N o.	Co ndi tio ns	Re ply of PP
	co nsu ltat ion pro cee din gs an d a lso the co m mit me nts giv en whi le gra nti ng pre vio us exp ans io n, as ma y b e a ppl ica bl e. Thi s s hall be dul y r ec ord ed in t he cer tifi ed co mp	



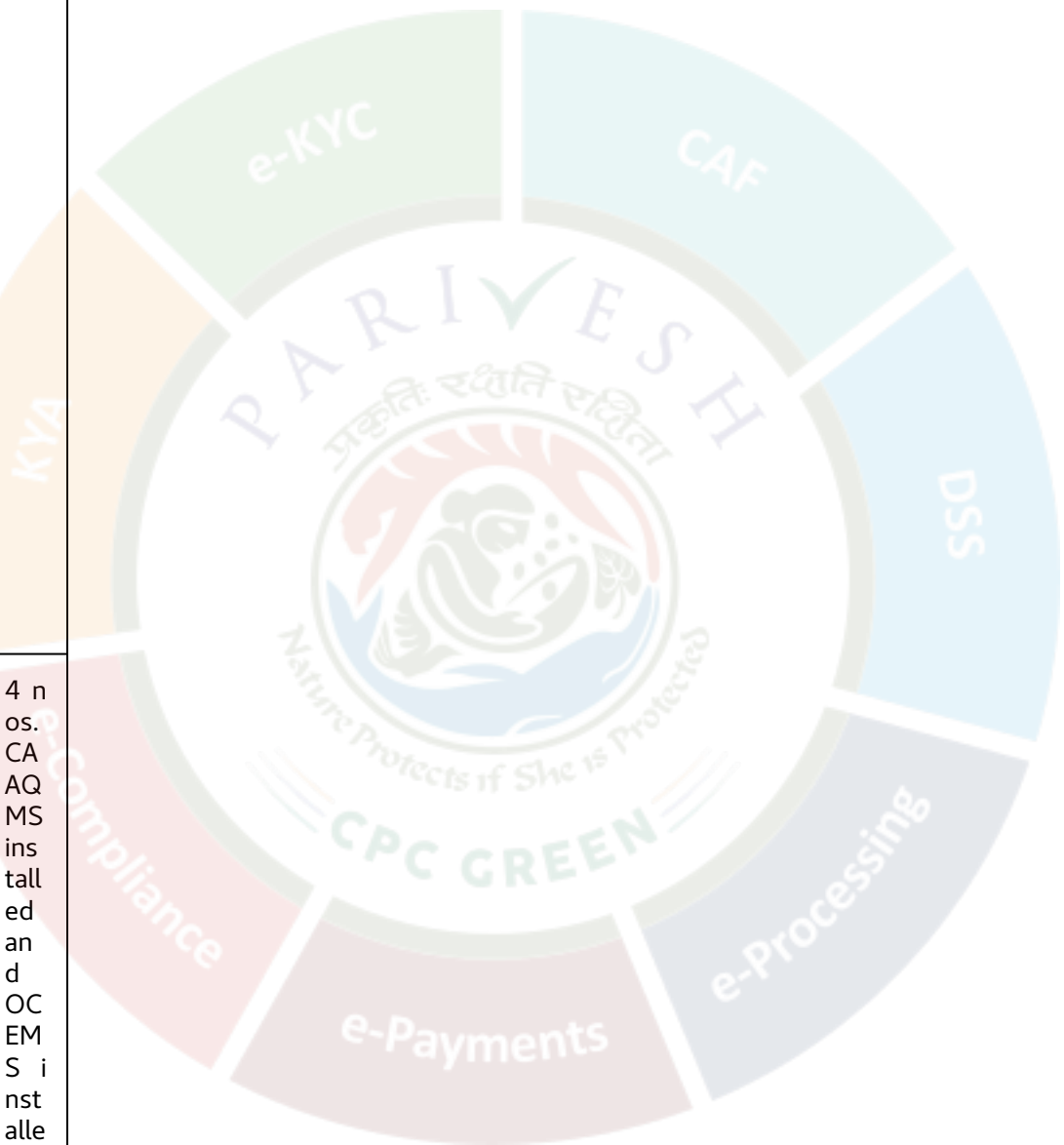
S. N o.	Co ndi tio ns	Re ply of PP
	lian ce rep ort iss ue d b y t he IR O/ CP C B/ SP CB, whi ch sh oul d n ot be mo re t ha n o ne yea r ol d a t th e ti me of sub mis sio n o f a ppl icat io n.	
	Pu blic Co nsu ltat ion sha ll b e u nd	Pu blic co nsu ltat ion not ap plic abl



S. N o.	Co ndi tio ns	Re ply of PP
	ert ake n [i f a ppl ica ble as per tab le bel o w] by obt aini ng res po nse in wri tin g, as per par a 7 III (ii) (b) of EIA No tifi cati on 20 06, exc ept tho se cat eg ory of pro jec ts whi ch hav e b	e a s e xpa nsi on is wit hin 2 0% an d p ubl ic h ear ing for las t E C h as be en car rie d o utT he Pu blic He ari ng for thi s p roj ect wa s h eld on 8th Jun e 2 01 8.



S. N o.	Co ndi tio ns	Re ply of PP
	ee n e xe mp ted as per par a 7 III (i) o f EI A No tifi cati on 20 06 an d it s a me nd me nt s.	
	Effl ue nt mo nit ori ng incl udi ng air qu alit y mo nit ori ng sys te ms as spe cifi ed in t he	4 n os. CA AQ MS ins tall ed an d OC EM S i nst alle d f or effl ue nt



S. No.	Conditions	Reply of PP
	existing EC, if stipulated, should have been installed.	
Sl. No.	Details of EDS sought by Ministry	Reply of PP
1	As per the information submitted, there as many capacities/ configurations like PELLET and MICRO PELLET Plant, which are not covered in earlier EC, however, PP has mentioned the same. Such references may be removed, and existing and proposed capacities may be restricted to previous ECs approved configurations only.	The additional units like Micropellet plant and Pellet Plant have been dropped from the configuration list and the configuration has been revised in the PFR and EIA to only include the units under the purview of the previous ECs.
2	A Review Report from concerned RO is required, in light of multiple non-compliances highlighted.	A Review report from concerned RO, Letter No.F.No.5-249/09(ENV)/157 regarding Revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant has been obtained which has been submitted in the application form. A Further Action Taken report has been submitted to IRO Raipur to comply with the observations in the Review Report.
3	WRD NOC in respect of Canal/Nallah traversing from within the site may be uploaded.	The NOC with respect to Tandula canal was obtained from WRD vide Memo no. 329/TS/2026 dated 09.03.2026.
4	The EC was granted in 2019, and hence, status of implementation of WLCPP be provided. Further, details of Revised WLCPP be provided, if any.	The previous EC was granted on 24 th May 2019. The said reports in point no 8 that "...The area also does not report to form corridor for Schedule-1 fauna." Hence Site Specific Wildlife Conservation plan was not required for the previous EC. However, in view of the amendm

Sl. No.	Details of EDS sought by Ministry		Reply of PP																					
			ent of Wildlife Protection Act in 2022, several species reported in the study area extracted from the ecological baseline monitoring carried out, have been reclassified as Schedule-1 fauna. Therefore, the present proposal warrants preparation of Site Specific Wildlife Conservation plan. The same has been prepared and submitted to PCCF, CG, Forest Department, vide letter no. B-8/2026/95 dated 06.04.2026 for further processing and approval. The SSWLCP has been prepared with a financial outlay of INR 20 lakhs to be incurred in 5 years.																					
5	Status of water permission be submitted		Agreement is in place between SAIL BSP and WRD, Durg for withdrawal of 4.0 TMC per year from Mahanadi/Tandula complex. The water requirement for the proposed expansion shall be met from the existing allocation vide agreement with Water Resources Division, Durg dated 19.04.2006.																					
6	CCR is not uploaded properly by PP. Only two pages are uploaded. The full report may be uploaded. The date of CCR vis it may also be corrected in form.		The full CCR with all enclosures has been uploaded in the application form.																					
7	An Authorization letter, from appropriate authority, in the name of person making application is not located. The same may be uploaded.		The authorisation letter has been uploaded in the application form.																					
S l. N o.	Particulars	Details	Remarks																					
i.	Total land	Project area - 3284.75 ha Total land under possession - 6286.75 ha [Govt land]	Land use (proposed): <table><tr><th>Sl. No.</th><th>Category</th><th>Area (ha)</th></tr><tr><td>1.</td><td>Main Plant</td><td>807.47</td></tr><tr><td>2.</td><td>Greenbelt</td><td>1823.158</td></tr><tr><td>3.</td><td>Other leased land outside plant</td><td>1835.792</td></tr><tr><td>4.</td><td>Reservoir</td><td>1173</td></tr><tr><td>5.</td><td>Rail and Road</td><td>647.33</td></tr><tr><td></td><td>Total</td><td>6286.75</td></tr></table>	Sl. No.	Category	Area (ha)	1.	Main Plant	807.47	2.	Greenbelt	1823.158	3.	Other leased land outside plant	1835.792	4.	Reservoir	1173	5.	Rail and Road	647.33		Total	6286.75
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4.	Reservoir	1173																						
5.	Rail and Road	647.33																						
	Total	6286.75																						
ii.	Land acquisition details as per MoEF&C C O.M. dated	Land is already owned by SAIL-BSP																						

S l. N o.	Particulars	Details	Remarks															
	7/10/2014																	
iii.	Existence of habitation & involvement of R&R, if any.	Project site: Nil Study Area: Bhilai	Status of R&R: Not Applicable as the proposed units shall be set up within the existing plant boundary															
iv.	Latitude and Longitude of all corners of the project site.	<table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>21°12'8" N</td><td>81°26'24"E</td></tr><tr><td>B</td><td>21°12'22" N</td><td>81°22'52"E</td></tr><tr><td>C</td><td>21°10'31" N</td><td>81°21'28"E</td></tr><tr><td>D</td><td>21°08'07" N</td><td>81°22'52"E</td></tr></table>	Point	Latitude	Longitude	A	21°12'8" N	81°26'24"E	B	21°12'22" N	81°22'52"E	C	21°10'31" N	81°21'28"E	D	21°08'07" N	81°22'52"E	
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D	21°08'07" N	81°22'52"E																
v.	Elevation of the project site	260-340 m above mean sea level																
vi.	Involvement of Forest land if any.	No																
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: Tandula canal inside the plant boundary), Study Area: Shivnath River in the northwest direction																
viii.	Existence of ESZ/ESA/ national park/ wildlife sanctuary/ biosphere reserve/tiger reserve/ elephant reserve etc. if any within the study area	Nil																

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
1	Sinter Plant complex	Sinter Plant-1 (4 x 50 m ²)	Phased out	Implemented	9.772 MTPA
		Sinter Plant-2 (3x75 m ² +1x 80 m ²)	Sinter Plant-2 (3x 75 m ² +1x 80 m ²)	Implemented	
			Sinter Plant-3 : Machine 1 (1x 320 m ²)	Implemented	
		(Mc. 2 : Production : 3.168 MTPA)	Sinter Plant-3, Machine 2 (1x 360 m ²) : Production Capacity : 3.705 MTPA	Implemented	
2	Coke Oven Complex	8 Nos. - 65 Oven 4.3 m tall battery i.e. Battery No. 1, 2, 3, 4, 5, 6, 7 & 8 and 3 Nos. - 67 Ovens, 7 m tall batteries, i.e. Coven Battery No. 9, 10 & 11.	8 Nos. - 65 Oven 4.3 m tall battery and 3 Nos. - 67 Oven 7 m tall battery	Implemented	3.94 MTPA
		Operation Regime: ·8 Battery Operation. ·At any time 3 Coke Oven batteries will be shut-down for cold repair and rebuilding cycle.	Operation Regime: ·9 Battery Operation. ·At any time 2 batteries will be shut-down for cold repair and rebuilding cycle.	Implemented	
3	Blast Furnace Complex	BF 1 with CDI (1033 m ³)	To be phased out in May 2025	Implemented	7.5 MTPA
			Phased Out	Implemented	
			Phased Out	Implemented	

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
		BF 4, 1719 m ³	BF 4, 1719 m ³	Implemented	
		BF 5, 1719 m ³	BF 5, 1719 m ³	Implemented	
		BF 6, 1719 m ³	BF 6, 1719 m ³	Implemented	
		BF 7, 2363 m ³	BF 7, 2363 m ³	Implemented	
		BF 8, 4060 m ³ with TRT	BF 8, 4060 m ³ with TRT	Implemented	
4	SMS I	4x 500t Twin Hearth Furnace	Phased out	Implemented	7.0 MTPA
5	SMS II	3x120t BOF	3x120t BOF	Implemented	
		2X120t LF	2X120t LF	Implemented	
		3x120t RH	3x120t RH	Implemented	
		1x120t VD	1x120t VD	Implemented	
		Hot metal Desulphurisation	Hot metal Desulphurisation	Implemented	
		3x1 strand Slab Casters (MC#1, 2, 3)	3x1 strand Slab Casters (MC#1, 2, 3)	Implemented	
		Combi-Caster: Bloom (3 strand) cum Slab (1 strand) Caster (mc#4)	Combi-Caster: Bloom (3 strand) cum Slab (1 strand) Caster (mc#4)	Implemented	
		1x4 strand Bloom Caster (MC#5)	1x4 strand Bloom Caster (MC#5)	Implemented	
		1x1 slab caster (mc#6)	1x1 slab caster (mc#6)	Implemented	
6	SMS III	3x160 t BOF	3x160 t BOF	Implemented	
		3x160 t LFs	3x160 t LFs	Implemented	

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
		1x 160 t RH-OB	1x 160 t RH-OB	Implemented	
		1 x vacuum tank degassing unit (Space provision)	1x vacuum tank degassing unit (Space provision)	Implemented	
		Hot metal Desulphurisation	Hot metal Desulphurisation	Implemented	
			New 3x160t Argon Rinsing Unit (ARU)	Implemented	
		2x6 strand Billet Casters	2x6 strand Billet Casters	Implemented	
		1x6 strand Bloom cum Billet Casters	1x6 strand Bloom cum Billet Casters	Implemented	
		1x3 strand Beam Blank Caster	1x3 strand Bloom-cum-Beam blank Caster	Implemented	
7	Rolling Mills		Phased Out	Implemented	-
		Universal Beam Mill (1.0 MTPA)	Not coming	-	-
		2.2 MTPA Rail & Structural Complex with Universal Rail Mill (URM)	2.2 MTPA Rail & Structural with Universal Rail Mill (URM)	Implemented	2.20 MTPA
		Plate Mill (1.65 MTPA)	Plate Mill : 1.65 MTPA with Quenching & Tempering facility	Quenching & Tempering Facility not implemented	1.65 MTPA
		Bar & Rod Mill (0.90 MTPA)	Bar & Rod Mill 0.90 MTPA	Implemented	0.90 MTPA
		Merchant Mill	Merchant Mill (0.	Implemented	0.85 MTPA

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
		(0.85 MTPA)	85 MTPA)		
		Wire Rod Mill (0.7 MTPA)	Wire Rod Mill (0.7 MTPA)	Implemented	0.70 MTPA
8	Power Blowing Station and Turbo-generators	1350 tph steam, Power Generation 76 MW	1350 tph steam, Power Generation 76 MW	Implemented	94 MW
		TRT Power Generation 14 MW	TRT Power Generation 14 MW	Implemented	
		CDCP Power Generation 4 MW	CDCP Power Generation 4 MW	Implemented	
9	Refractory Material Plant (RMP) : Lime & Dolomite plant	RMP I	To be Phased out in May 2025	Implemented	1.58 MTPA
		RMP - II · 2x 330 tpd + 1 x 144 tpd Lime kiln · 1x 330 tpd kiln		Implemented	
		RMP III 5x450 tpd lime and dolo kiln for SMS-III	5x450 tpd lime and dolo kiln for SMS-III	Implemented	
10	Oxygen Plant	· 3 x 550 tpd · 1 x 700 tpd	· 3 x 550 tpd · 1 x 700 tpd	Implemented	2350 tpd
Plant/Unit		Capacity / Configuration			
		Existing	Proposed	Total	
Coke Oven		Battery 1 to 11 3,940,000 TPA	Battery 12 800,000 TPA	Battery 1 to 12 4,728,000 TPA * 9 battery operation at a time	
Sinter Plant		Sinter Plant-2 (3x75 m 2+1x 80 m2) Sinter Plant-3 (1x 320	Increase production in Sinter Plant-2 & 3 by 1,928,000 TPA	Sinter Plant-2 (3x75 m2+1 x 80 m2) Sinter Plant-3 (1x 320 m	

Plant/Unit	Capacity / Configuration		
	Existing	Proposed	Total
	m2+ 1x 360 m2) 9,772,000 TPA		2+ 1x 360 m2) 11,700,000 TPA
Blast Furnace	BF 4 to 8 Total 7,500,000 TPA	BF 9 2,800,000 TPA	BF 4 to 9 Total 8,800,000 TPA
SMS-II			
• BOF	3×120 T	-	3×120 T
• LF	2×120 T	1×120 T	3×120 T
• RH	3×120 T	-	3×120 T
• VAD	1×120 T	Replaced by new LF	-
Caster			
• Combi-Caster: Bloom cum slab	3 strand (Bloom) 1 strand (Slab)	-	3 strand (Bloom) 1 strand (Slab)
• Bloom Caster	1×4 strand	-	1×4 strand
• Slab Caster	4×1 strand	-	4×1 strand
SMS-III			
• BOF	3×160 T	-	3×160 T
• LF	3×160 T	-	3×160 T
• RHOB	1×160 T	-	1×160 T
• ARU	3×160 T	-	3×160 T
• VD	1×160 T	-	1×160 T
Caster			
• Bloom cum Billet	1×6 strand	-	1×6 strand
• Billet Caster	2×6 strand	-	2×6 strand
Bloom cum Beam blank Caster	1×3 strand	-	1×3 strand
Mills			
Rail and Structural	2.2 MTPA	Replacement of existing RSM	2.4 MTPA

Plant/Unit	Capacity / Configuration		
	Existing	Proposed	Total
Iron Complex with Universal Rail Mill (URM)		with installation of new URM of 1.2 MTPA capacity.	
Plate Mill	1.65 MTPA	-	1.65 MTPA
Bar and Rod Mill	0.9 MTPA	Upgradation to 1.08 MTPA	1.08 MTPA
Merchant Mill	0.85 MTPA	Upgradation to 1.0 MTPA	1.0 MTPA
Wire Rod Mill	0.7 MTPA	Increased production by addition of new WRM of capacity 0.84 MTPA. Old WRM to be phased out	0.84 MTPA
Calcining Plant	RMP-II: 2×330 TPD + 1×144 TPD lime kiln RMP-III: 5×450 TPD lime and dolo kiln	-	RMP-II: 2×330 TPD + 1×144 TPD lime kiln RMP-III: 5×450 TPD lime and dolo kiln
Oxygen Plant (capative)	3×550 TPD + 1×700 TPD	2000 TPD (BOO Basis)	3×550 TPD + 1×700 TPD + 2000 TPD (BOO Basis)
Boilers	6×150 TPH boiler + 1×150 TPH boiler (BF gas fired) + 2×150 TPH BF gas fired Boiler Total steam generation capacity = 1350 TPH	6×150 TPH gas fired boilers with LDO as back up fuel As replacement of existing 6×150 TPH existing boilers	6×150 TPH boiler gas fired boilers with LDO as back up fuel + 1×150 TPH BF gas fired boiler + 2×150 TPH BF gas fired boiler Total steam generation = 1350 TPH
Turbo generators	3×12 MW+ 1×15 MW+ 1×25 MW Power generation = 76 MW	3×15 MW Turbo Generators 3×12 MW existing Turbo generators shall be phased out	3×15 MW + 1×15 MW+ 1×25 MW Power generation = 85 MW
TRT power generation	14 MW	BF-9 TRT 14 MW	BF-8 TRT 14 MW + BF-9 TRT 14 MW Power generation = 28 MW
BPTG - CDCP power generation	4 MW	8 MW	Batt-11 BPTG 4 MW + Batt-12 BPTG 8 MW Battery 9 & 10 BPTG = 19 MW Power generation = 31 MW
Other Auxiliary facilities	Matching facilities to achieve production	Matching facilities to achieve production	Matching facilities to achieve production

Raw Material	Quantity in TPA			Source	Mode of Transport
	Existing	Proposed	Total		
Iron ore fines	7,287,000	1,137,000	8,424,000	Dalli, Rajhara/Rowghat	Rail
Iron ore lump	4,378,000	-	4,378,000	Dalli, Rajhara/Rowghat	Rail
Limestone	1,847,000	2,144,342	5,106,082	Nandini, Kuteswar & Jaisalmer	70% Rail/30% Road
Dolomite	1,114,700			Hirri & Belha	Rail
Quartzite	104,600	-	104,600	Muripur	Rail
Coking coal	5,679,000	1,050,000	6,729,000	Imported/Indigenous	Rail
Pellet	640,500	2,593,500	3,234,000	purchase/mines/plant	Rail
PCI coal	974,000	170,000	1,144,000	Imported	Rail
Period	Parameters				
AAQ parameters at 8 Locations	PM _{2.5} = 34.64-56.01 µg/cu m (P98 value) PM ₁₀ = 72.09-93.50 µg/cu m (P98 value) SO ₂ = 4-27.42 µg/cu m NO _x = 18.36-41.12 µg/cu m (P98 value) CO = 0.1-0.55mg/cu m				
Incremental GLC level	Predicted Incremental pollution load on Ambient Air Quality (maximum P98 value) due to Project Activities PM ₁₀ = 1.19 µg/m ³ (Level at 2.6 km, North North East direction) PM _{2.5} = 0.79 µg/m ³ (Level at 2.6 km, North North East direction) SO ₂ = 1.65 µg/m ³ (Level at 4.6 km in North Direction) NO _x = 2.78 µg/m ³ (Level at 1.34 km in North-West Direction)				
Ground water quality at 8 locations	pH: 6.72 - 7.10 Total Hardness: 99.0-272.5 mg/l Chlorides: 45.1 -121.0mg/l Fluoride: 0.15 - 0.35 mg/l Heavy Metals: BDL				
Surface water quality at 8 locations	pH: 6.48 - 7.37 DO: 6.10-6.40 mg/l BOD: 3.00 - 10.67 mg/l COD: 9.72- 45.13mg/l				
Noise levels	65.31-74.68 dBA for day time				

Period	Parameters
Leq (Day and Night)	55.96-66.81 dBA for night time
Traffic assessment study findings	Traffic survey was conducted at two locations namely BSNL Chawk, Sector-3 road and the road to Rolling Mill gate for 24 hours on two days (normal/working day and holiday). Transportation of raw material, fuel & finished product will be done 8% by road and rest will be through conveyer/rail from Durg Railway station. Existing Traffic Load 550.76 (PCU/hr) on BSNL Chawk, Sector-3 road and the road to Rolling Mill gate is and existing level of service (LOS) is A (V/C Ratio=0.16). PCU Load after proposed project will be <u>550.76</u> (existing) + <u>23.58</u> (Additional) and level of service (LOS) will be A (V/C Ratio= 0.16). V/C ratio 0.16 corresponds to a LOS of A which as per IRC:106-1990 guideline represents a zone of stable flow with the driver still have the freedom to select their desired speed and manoeuvre within the traffic stream. *Note: Capacity as per IRC-106-1990 Guideline for capacity for roads. Conclusion: The level of service will remain "A" after including additional traffic due to proposed project.
Flora and fauna	There is presence of twenty Schedule-I species as reported in the study area which includes six mammals, five reptiles and nine birds as per Wildlife (Protection) Act, 1972 and its subsequent amendments in 2022-23, while among them Indian Pangolin, Vulture white scavenger are classified as Endangered species (EN) in the IUCN Red List. A robust wildlife conservation plan for Schedule-1 species has been prepared in and submitted to the office of Principal Chief Conservator of Forests (PCCF)/, Chhatisgarh on 06.04.2026. Total budget for implementation of WCP (5 Years) is about Rs. 48 Lakhs in accordance with Plan prescriptions.

Solid Waste Management

Plant unit	Description of waste	Generation, TPA			Utilization/Proposed Disposal
		Existing	Proposed	Total	
BF	BF Slag	1,791,840	836,190	2,628,030	Sold to cement plant and utilized in JV plant
	Flue Dust	96,000	45,000	141,000	To be used in the Sinter Plant
	BF Sludge	42,000	-	42,000	To be used in the Sinter Plant
SMS	BOF Slag	747,000	166,000	913,000	BOF slag will be sent to the metal recovery plant. The non-metallic will be used in the sinter plant. After metal recovery, BOF slag would require weathering, after which it would be used for applications such as construction aggregates, soil conditioner, etc.

Plant unit	Description of waste	Generation, TPA			Utilization/Proposed Disposal
		Existing	Proposed	Total	
	SMS Sludge/ Dust	102,000	18,940	1,20,940	To be used in the Sinter plant after briquetting
PBS	Fly Ash	100	-	100	Boilers are operated on clean B F/LD/CO gas .Coal is used only in case of non-availability of these gases.

Hazardous Waste Management

S.no	Existing HW details	Authorized Quantity (TPA) as per no: 681/HSMD/HO/CECB/2024 dtd 27/05/2024	Proposed additional quantity (TPA)	Total quantity (TPA)
1	Benzol Acid sludge	2500	Nil	2500
2	Tar storage Tank Residue/ sludge	1500	500	2000
3	Decanter tank tar sludge/ Tarry sludge	4000	1000	5000
4	Used/spent oil	500	500	1000
5	Spent solvents	500	250	750
6	Oil and grease skimming residues	100	100	200
7	Chemical sludge from waste water treatment/ ETP/RO Rejects	2500	1000	3500
8	Discarded containers / barrels / liners contaminated with hazardous wastes/chemicals	275	100	375
9	Residues, dusts or filter cakes	500	nil	500
10	Copper compounds	400	100	500
11	Lead and lead compounds	50	nil	50
12	Asbestos	80	nil	80

S. N o.	Location	Name of Project/Activity (Brief detail of the project, duration)	Estimated Scheme Cost (Rs. Lakhs)	Expenditure done in Rs. Lakhs (Approx. Amount)	
1	Selud, Durg	I. New Bore well fitted with Solar operated pump with storage tank at three places to be provided.	15.00	17.04	
		II. Four Seater Sulabh Shauchalya at Bazar Chowk to be constructed.	7.00	7.74	
		III. Sports equipments for boys and girls to be provided.	0.50	0.50	
2	Khapri (Kutlabhat), Durg	I. Construction of Boundary wall of Panchayat Bhawan along with tree plantation all around the periphery.	7.00	8.20	
		II. New Bore wells at 2 locations fitted with Solar operated Pumps to be provided.	10.00	11.36	
		III. Two extra rooms in Govt. Primary School to be constructed.	10.00	10.00	
		IV. Dustbin for 10 villages to be provided	0.50	0.50	
		V. Beautification and tree plantation around Shitala Talab to be provided.	2.00	2.00	
3	Dumardih, Durg	I. Service road from main road cremation ground approx. 700 meters to be cemented	10.00	8.80	
		II. Pipeline for drinking water pipeline to be extended further by 1000 m approx.	6.00	7.00	
4	Pauwara, Durg	I. Sanitary Pad Machine women group to be provided	8.00	8.00	
		II. Pipeline for drinking water pipeline to be extended further by 1000 m approx.	7.00	7.00	
		III. Tree plantation at new talab to be provided	1.00	1.00	
		IV. Funds to be provided Sarpanch f	1.00	1.00	

S. N o.	Location	Name of Project/Activity (Brief detail of the project, duration)	Estimated Scheme Cost (Rs. Lakhs)	Expenditure done in Rs. Lakhs (Approx. Amount)	
		or cleaning of Wells with supervision / monitoring by BSP.			
		V. Syntax tank with pump to be provided at Health Center.	0.25	0.25	
5	Muskan, Durg	I. Garage for School Bus at Muskan School to be constructed.	1.00	1.00	
6	Patora, Durg	I. Four Seater Sulabh Shauchalya at Govt. Middle school for boys to be constructed.	7.00	7.74	
		II. Boundary wall at high school of length 165 meter to be constructed.	15.00	15.00	
7	Dhuarabhatta, Durg	I. Four seater Sulabh Shauchalya at K hadan Talab for both men and women to be constructed.	12.00	15.48	
		II. Additional 2 class rooms at High school premise to be constructed.	9.00	10.00	
		III. Boundary wall of approx. - 380 meters to be constructed at high school premise.	4.00	4.00	
		IV. Construction of separate toilets for both boys and girls to be constructed.	5.00	5.00	
8	Mahakakala-Mudparr, Durg	I. Pipeline for drinking water pipeline to be extended further by 1000 m approx. meters in ward no 01,06,04	7.00	5.00	
		II. C.C. road to be constructed at ward no 05 for approx. 250 meters.	4.00	4.00	
		III. C.C. road to be constructed at ward no 04 for approx. 250 meters.	4.00	4.00	
		IV. Four seater Sulabh Shauchalya for boys and girls to be constructed.	14.00	15.48	
10	Pahandor, Durg	I. New Bore wells at required location fitted with solar operated Pumps to be provided.	10.00	9.62	

S. N o.	Location	Name of Project/Activity (Brief de tail of the project, duration)	Estimated Sche me Cost (Rs. La khs)	Expenditure done in Rs. Lakhs (Approx. A mount)					
		II. Pipeline for drinking water pipelin e to be extended further by 1000 m approx.	7.00	7.00					
9	Aundhi,Du rg	I. Pipeline for drinking water pipeline to be extended further by 1000 m a pprox.	7.00	7.00					
		II. C.C. road to be constructed from Ward No 14 Ward No 20	7.00	8.00					
11	Bhilai,Dur g	I. One E-rickshaw to be provided faci litate the plantation activities	3.00	3.00					
		II. One Power driven portable drilling machine facilitate the plantation acti vities	1.00	1.00					
12	Mahakakh urd, Durg	I. New Bore well fitted with Solar op erated pump with storage tank at on e place to be provided	5.00	5.68					
		II. Four seater Sulabh Shauchalya for men and women to be constructed	14.00	15.48					
Total			226.25	233.87					
SN	Area	Proposed Physical Activities	Nos/Locat ion	1st Ye ar (In Lakh s)	2nd Y ear (I n lak hs)	3rd y ear (I n lak hs)	4th Y ear (I n lak hs)	5th Y ear (I n lak hs)	Total Amoun t (In La khs)
1	Road Infra structure	Repair of existing pa ved roads	Dumardih, Pahandor, Pauwara a nd Ganiyar i	50	100	50	50	50	300
		Constructi on of new paved roa ds	Dumardih, Pahandor, Pauwara a nd Ganiyar i	100	150	75	75	100	500
		Drinking water sup ply	Dumardih, Pahandor & Chikhli	150	150	150	100	50	600
		Assistance	Dumardih,	-	36	36	-	-	72

SN	Area	Proposed Physical Activities	Nos/Locaton	1st Year (In Lakh s)	2nd Year (In lak hs)	3rd year (In lak hs)	4th Year (In lak hs)	5th Year (In lak hs)	Total Amount (In Lakhs)
		in development of pucca house	Pahandor (No of houses to be identified by physical verification. Assumed no of houses - 60)						
		Solar based street light	Chikhli, Dhanaura, Sirsa	30	30	-	-	-	60
2	Additional Air pollution control in villages	Installation of mist cannon 5 nos.	Bhilai Basti	70	70	35	-	-	175
		Water sprinkling through tankers		200	-	-	-	-	200
		Development of greenery at village roadside and community plantation		-	20	10	10	10	50
3	MSW Management	Providing colour coded bins for each household and large collection bins (4 nos) at each village	All peripheral villages (24 villages)	7	7	-	-	-	14
	Healthcare	Mobile medical vans (2 nos)	All peripheral villages (24 villages)	-	400	-	-	-	400
	Education	Providing	All peripheral	50	100	100	50	-	300

SN	Area	Proposed Physical Activities	Nos/Locat ion	1st Ye ar (In Lakh s)	2nd Y ear (I n lak hs)	3rd y ear (I n lak hs)	4th Y ear (I n lak hs)	5th Y ear (I n lak hs)	Total Amoun t (In La khs)
		books and computer to school library	ral villages (24 village s) – 30 sch ools						
	Education	Providing sports equipment to schools	All periphe ral villages (24 village s) – 30 sch ools	50	100	50	-	-	200
4	Vocational training	Vocational training for youth	300 persons	60	60	60	60	60	300
	Women empowerment	Providing sewing machines and training on mushroom cultivation, tailoring, handicrafts	600 women	60	60	60	60	60	300
	Infrastructure	Renovation of village ponds	All peripheral villages (24 village s)	100	200	200	120	100	720
	Social Infrastructure	Improvement of Bhilai Zoo	1	100	150	150	100	100	600
5	Ecology and Biodiversity	Improvement of Biodiversity park	1	30	30	30	30	30	150
		Total		1057	1663	1006	655	56	4941
Sl. No.	EMP Category						CAPEX	OPEX	Rs. in Lakh
(i)	Air Pollution Control/Noise Management						28700	2000	
(ii)	Water Pollution Control including Conservation and Wastewater						36000	4000	

Sl. No.	EMP Category		CAPEX	OPEX
			Rs. in Lakh	
	Treatment			
	Total		64700	6000

Particulars	As per EC dated 24.05.2019	After proposed change under para 7(ii)	% increase
Land	6286.75 ha	6286.75	0
Greenbelt	1328.16 ha	1328.16	0
Water	12930 m ³ /hr	12930 m ³ /hr	0
Power	468 MW	166 MW	35%
Raw Material	22,024,800 TPA	29,119,682 TPA	32%
Products	6,735,800 TPA	8,020,800 TPA	19%

Particulars	As per EC dated 24.05.2019		After proposed change under para 7(ii)		% increase	
	Parameter	Estimated controlled emissions (kg/hr)	Parameter	Estimated controlled emissions (kg/hr)	Parameter	Increase (%)
Air	PM	280.08	PM	315.35	PM	13%
	SO ₂	226.48	SO ₂	270.48	SO ₂	19%
	NO _x	202.03	NO _x	329.63	NO _x	63%
Water	ZLD		ZLD		Not applicable	
Solid and Hazardous waste	Solid Wastes	Estimated Generation (t/yr)	Solid Wastes	Estimated Generation (t/yr)	Solid Wastes	% increase
	BF slag	22,39,800	BF slag	26,28,030	BF slag	17%
	BF sludge	52,500	BF sludge	42,000	BF sludge	-20%
	BF flue Dust	1,20,008	BF flue Dust	1,41,000	BF flue Dust	17%
	SMS/BOF Slag	7,47,000	SMS/BOF Slag	9,13,000	SMS/BOF Slag	22%
	SMS sludge / Dust	1,02,000	SMS sludge / Dust	1,20,940	SMS sludge / Dust	19%
	Fly Ash	15,000	Fly Ash	0	Fly Ash	-100%

Particulars		As per EC dated 24.05.2019	After proposed change under para 7(ii)	% increase
Traffic load		PCU load = 550.76 (PCU/hr) LOS "A" (V/C ratio = 0.16)	PCU load = 574.34 (PCU/hr) LOS "A" (V/C ratio = 0.16)	PCU Load increase = 4% No increase in LOS.
Sl. No	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status
1.	On perusal of the EC letter, it has been observed that the general condition No.(II) (xi) of EC letter dated 24/05/2019 does not permit reuse of treated water in quenching system, which is mutually inconsistent with the specific condition No.(v) of EC letter dated 31/03/2008, where reuse of treated water is permitted for coke quenching. Ministry may examine the same and take appropriate view.	General Condition No.(II) (xi) of the EC letter dated 24/05/2019 does not permit the reuse of treated water from the ETP of the Coke Oven & By-Product Plant (CO&BPP). However, specific Condition No.(v) of the EC letter dated 31/03/2008 permits the use of treated water from the ETP of COCCD for quenching. As advised, B&SP will seek the opinion of MoEFCC in this regard.	As on date the practice of utilizing water from ETP (BOD plant) of CO&BPP for coke quenching has been discontinued. Now the entire quantity of water utilized for coke quenching is fresh makeup water from the plant makeup water system. The treated water from ETP of CO&BPP (BOD) is being recycled in various units of the steel plant.	Being complied
2.	Though part of the continuous emission monitoring stations installed to the major stacks are already linked with the server of the CPCB, the remaining stacks should also be linked with the servers of the CPCB and CECB and shall ensure that the stack emissions are within the prescribed limit – Specific condition no. (i) and general condition no. (iii)	Reportedly Project Authority has linked the continuous emission monitoring stations installed with the servers of CECB and CPCB. This Office unable to verify the status, using the login credential made available in the reply due to technical issues in the CPCB portal. Details are not made available in the reply regarding total number of existing stacks with the provisions of CEMS and its present status regarding connectivity with the servers of CECB and CPCB. Ministry may seek a self-declaration from the Project Authority regarding the total number of existing stacks with the provisions of CEMS and its connectivity.	Self declaration submitted to MoEFCC	Complied

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status
3	Though the treated water from various process units is being recycled and reused to the extent possible, presently Bhilai Steel Plant is not complied with the ZLD system – Specific condition No.(v).	It has been observed from the reply that the Project Authority has not clarified the ZLD compliance with the details of total quantity of the water being consumed per day for the operation of the Project and the total quantity of wastewater generation per day from the process and installed capacity of the treatment facilities within the Project and quantity of treated water is being completely reused within the Unit without any discharge from the Industrial premise. Instead, Project Authority relied upon the previous review report issued by the Regional Office of MoEFCC at Nagpur in September 2018. Further, Project Authority in their reply has declared that treated wastewater of about 250 to 300 m ³ /hr is being discharged from the plant outlets. Project Authority in their reply submitted that a timeline has been set for a period of four years for completion of the proposed project activities envisaged in their reply, i.e. by 31/03/2029. Presently, there are two separate dedicated water channels (for inlet water and outlet water) are existing in the Project, which are separately connected between the Plant Premise and the water reservoir located outside the Plant Premise. In view of the above, this Office does not agree with the claim of the Project Authority in respect of the present	As per Action Taken Report submitted to IRO vide letter no. No. GM I/c (Env.MD)/B-8/2025/, the total quantity of wastewater being discharged as on 19.12.25 was reported to be about 300 m³/hr. Subsequent to the above action taken report submitted to IRO, 4 nos. measures were implemented, as a result of which the total discharge from Outfall A, B and C have been reduced to about 160 m³/hr. The details of measures undertaken till date for reduction of the discharge with reduction quantity of each mitigation measure along with its geotagged photographs is submitted to IRO. Further 140 m³/hr of water being discharged presently shall be reduced by implementation of additional 4 nos. measures which have been planned to be implemented by March 2027.	Compliance in progress

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status																								
		not compliance regarding Zero Liquid Discharge (ZLD). If it is not feasible to comply the said condition, Project Authority may get appropriate amendment in the EC condition. Ministry may take appropriate view.																										
	<table><tr><th>Sl. No.</th><th>Mitigation Measure</th><th>Reduction in waste water discharge (m³/hr)</th><th>Target Date</th></tr><tr><td>1</td><td>Recycling of Bed Drainage Pump House water of Merchant Mill to Maroda I by laying of 200 m pipeline across billet yard</td><td>20</td><td>June 2026</td></tr><tr><td>2.</td><td>Pumping of Wastewater from Rain water system to clarified water tank of Phenolic water Pump House) by installation of 02 Nos. of pumps . Laying of pipeline of 100 m</td><td>40</td><td>July 2026</td></tr><tr><td>3</td><td>Return water of Air compressors cooling water COB #7 & 8 - Dia. 100 mm pipeline being laid from Compressor house to Return water Manhole of Exhauster House-2.</td><td>20</td><td>Aug'2026</td></tr><tr><td>4.</td><td>Recycle and reuse of excess scale pit process water from WTP-1 A proposal has been taken up for laying an additional pipeline of 1680 mtrs from WTP-1 to the Secondary Settling Tanks (SST) to prevent discharge of excess water currently flowing into the drain. This will require procurement of a DN 500 mm pipeline (approx. 1680 m length). Budgetary provision done. Procurement plan is in progress.</td><td>60</td><td>March 2027</td></tr><tr><td></td><td>Total</td><td>140</td><td></td></tr></table>				Sl. No.	Mitigation Measure	Reduction in waste water discharge (m ³ /hr)	Target Date	1	Recycling of Bed Drainage Pump House water of Merchant Mill to Maroda I by laying of 200 m pipeline across billet yard	20	June 2026	2.	Pumping of Wastewater from Rain water system to clarified water tank of Phenolic water Pump House) by installation of 02 Nos. of pumps . Laying of pipeline of 100 m	40	July 2026	3	Return water of Air compressors cooling water COB #7 & 8 - Dia. 100 mm pipeline being laid from Compressor house to Return water Manhole of Exhauster House-2.	20	Aug'2026	4.	Recycle and reuse of excess scale pit process water from WTP-1 A proposal has been taken up for laying an additional pipeline of 1680 mtrs from WTP-1 to the Secondary Settling Tanks (SST) to prevent discharge of excess water currently flowing into the drain. This will require procurement of a DN 500 mm pipeline (approx. 1680 m length). Budgetary provision done. Procurement plan is in progress.	60	March 2027		Total	140	
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	Total	140																										
4	Though the Project Authority is having the provisions of TOC analysis, provision for continuous monitoring of Total Organic Compounds (TOC) in the ETP of BOD plant is not reflected from the real-time monitored data – specific condition No.(vii)	Project Authority has taken necessary corrective action. Perused the supporting data furnished along with the reply and it appears that the condition has been complied with.	-	Complied																								

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status																																																																
5.	Project Authority shall ensure proper handling and disposal of the legacy slag existing within the project area by following the “Guidelines on Management of Pyrometallurgical Slags” issued by the CPCB in the year 2023 – specific condition No.(viii).	Huge quantity of slag generated from the SMS is being stacked openly within the project area and thus accumulated as legacy slag. Project Authority in their reply submitted that the guidelines issued by CPCB for Management of Pyro-metallurgical Slags – Iron and steel slag are being adhered to for both fresh and legacy slags. However, details are not made available regarding the annual report comprising of slag generation, utilization and storage, submitted to the Regulatory Authorities concerned and time targeted action plan for disposal of the remaining legacy slag existing within the project area. Till such time Project Authority shall ensure adequate storm-water drains are in place to avoid surface run-off from this area to nearby water bodies. Ministry may take appropriate view.	It is planned to evacuate all legacy slag by 2030-31. Sale Orders have been issued to 3 vendors for sale of legacy slag. Garland drains have been provided around the slag storage areas	Compliance in progress																																																																
<table><tr><th>Year</th><th>Generation</th><th>Recycle/ Reused (A)</th><th>Purpose</th><th>Sold (B)</th><th>Total</th><th>Utilisation (%)</th><th>Final Stock</th></tr><tr><td>2021-22</td><td>522168</td><td>222294</td><td>Internal recycling</td><td>38441</td><td>260736</td><td>49.93</td><td>261432</td></tr><tr><td>2022-23</td><td>693723</td><td>330986</td><td>Internal recycling</td><td>38117</td><td>369103</td><td>53.21</td><td>586052</td></tr><tr><td>2023-24</td><td>825371</td><td>280346</td><td>Internal recycling</td><td>120460</td><td>400118</td><td>48.48</td><td>1011305</td></tr><tr><td>2024-25</td><td>906606</td><td>358114</td><td>Internal recycling</td><td>380696</td><td>738809</td><td>81.49</td><td>1179101</td></tr><tr><td>2025-26</td><td>931859</td><td>608766</td><td>Internal recycling</td><td>535729</td><td>1144496</td><td>122.82</td><td>966464</td></tr><tr><td>2026-27</td><td>950000</td><td>570000</td><td>Internal recycling</td><td>573293</td><td>1143293</td><td>120.347</td><td>773172</td></tr><tr><td>2027-28</td><td>950000</td><td>570000</td><td>Internal recycling</td><td>573293</td><td>1143293</td><td>120.347</td><td>579879</td></tr></table>					Year	Generation	Recycle/ Reused (A)	Purpose	Sold (B)	Total	Utilisation (%)	Final Stock	2021-22	522168	222294	Internal recycling	38441	260736	49.93	261432	2022-23	693723	330986	Internal recycling	38117	369103	53.21	586052	2023-24	825371	280346	Internal recycling	120460	400118	48.48	1011305	2024-25	906606	358114	Internal recycling	380696	738809	81.49	1179101	2025-26	931859	608766	Internal recycling	535729	1144496	122.82	966464	2026-27	950000	570000	Internal recycling	573293	1143293	120.347	773172	2027-28	950000	570000	Internal recycling	573293	1143293	120.347	579879
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Sl. No	Non- compliances reported if any			Comments of IRO vide review report dated 27.03.2026		Corrective action as per ATR submitted on 12.04.2026		Present status
	2028-29	950000	570000	Internal recycling	573293	1143293	120.347	386586
	2029-30	950000	570000	Internal recycling	573293	1143293	120.347	193293
	2030-31	1050000	630000	Internal recycling	613293	1243293	118.409	0
6	Six monthly compliance report for this EC has not been submitted beyond the year 2018 – general condition No.(xii).			Project Authority has taken corrective action and uploaded the six monthly compliance report for the EC letter dated 31/03/2008 on the Parivesh Portal. The condition may be treated as complied with. Project Authority may request MoEF&CC, New Delhi for issuance of consolidated EC, superseding the existing multiple ECs to avoid multiple statutory requirements for the same project.		-		Complied
With reference to the EC letter No.J-11011/28/2007-IA.II(I) dated 24/05/2019								
7.	100 % SMS -Slag utilisation have not been achieved as stipulated in the specific condition No.(iii).			100 % SMS -Slag utilisation have not been achieved as stipulated in the specific condition No.(iii).		As mentioned in Sl no 5 above		Compliance in progress
8.	Though the SMS-1 has already been dismantled, green belt development needs to be undertaken in the said dismantled area as stipulated in the specific condition No.(iv).			Project Authority in their reply submitted that the area earmarked for green belt development in the specific condition No.(iv) is earmarked for the proposed new Blast Furnace-9 under the planned expansion of BSP. From the reply, it has been observed that the condition has not been complied with rather proposed to use the earmarked area for proposed new expansion project. In such circumstances Project Authority ought to have obtained amendment		The area earmarked for greenbelt in old SMS-1 area has been compensated by utilization of 17 acres of land in the area under the ownership of SAIL BSP outside the plant premises.		Complied

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status
		t in the said EC condition. The condition has not been complied with.		
9	Project Authority has installed wet gas cleaning systems for BF's & SMS converters as the Dry Gas Cleaning Plant was not feasible with the present plant gas network and gas volume generation. In this regard, Project Authority is advised to get necessary amendment from the MoEF&CC - General condition B.II(xxii).	Project Authority has installed wet gas cleaning systems for BF's & SMS converters as the Dry Gas Cleaning Plant was not feasible with the present plant gas network and gas volume generation. In this regard, Project Authority is advised to get necessary amendment from the MoEF&CC - General condition B.II(xxii).	Installation of dry-type systems is not feasible under the present plant gas network.	Amendment Requested in the EC
10	ZLD system is not in place - general condition B.III(v).	This Office does not agree with the claim of the Project Authority in respect of the present compliance regarding Zero Liquid Discharge (ZLD). Presently the condition has not been complied with on account of the observations mentioned above at Sl. No. 3. Project Authority may get an amendment in the EC condition. Ministry may take appropriate view.	As mentioned in Sl No 3 above	Under compliance

Written submission by the PP:

1. Corrigendum - Revised presentation with corrections.

2. Further SAIL-BSP has submitted the following commitments.

S. No.	Issue discussed during presentation	Observations of EAC	Commitment of Bhilai Steel Plant
1	Upward revision of expenditure over the next 5 years under Corporate Environment Responsibility (CER).	The CER expenditure is less with respect to the project cost. BSP shall revise the CER expenditure.	BSP commits to make an expenditure of ₹49.41 Crores under the subject proposal. The revised plan is updated at relevant para above.
2	Baseline AAQ monitoring data .	PM value is already above the standard. This needs to be addressed.	Consultant Dastur has informed that it was a typographical error and the monitored value was within the prescribed standard. Corrigendum already sent on 22/5/2026.
3	Green belt in the project area	The proposed expansion should	No change in green belt area

S. No.	Issue discussed during presentation	Observations of EAC	Commitment of Bhilai Steel Plant
	ea.	not result in reduction in the green belt area.	

3. Certified Compliance Report along with Action Taken Report submitted to IRO, Raipur

4. Observations of IRO on the compliance status of earlier EC, Action taken by BSP & Present Status - Conditions now fully complied

S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26 and earlier CCR	Present status
1	On perusal of the EC letter, it has been observed that the general condition No.(III) (xi) of EC letter dated 24/05/2019 does not permit reuse of treated water in quenching system, which is mutually inconsistent with the specific condition No.(v) of EC letter dated 31/03/2008, where reuse of treated water is permitted for coke quenching. Ministry may examine the same and take appropriate view.	General Condition No.(III)(xi) of the EC letter dated 24/05/2019 does not permit the reuse of treated water from the ETP of the Coke Oven & By-Product Plant (COBP). However, specific Condition No.(v) of the EC letter dated 31/03/2008 permits the use of treated water from the ETP of COCCD for quenching. As advised, BSP will seek the opinion of MoEFCC in this regard.	As on date, utilization of treated water from ETP (BOD Plant) of COBP for coke quenching has been discontinued. Treated water is being recycled in various units of the steel plant. Condition complied.
2	Though part of the continuous emission monitoring stations installed to the major stacks are already linked with the server of the CPCB, the remaining stacks should also be linked with the servers of the CPCB and CECS and shall ensure that the stack emissions are within the prescribed limit - Specific condition no (i) and general condition no. (iii)	Reportedly Project Authority has linked the continuous emission monitoring stations installed with the servers of CECS and CPCB. This Office unable to verify the status, using the login credential made available in the reply due to technical issues in the CPCB portal. Details are not made available in the reply regarding total number of existing stacks with the provisions of CEMS and its present status regarding connectivity with the servers of CECS and CPCB. Ministry may seek a self-declaration from the Project Authority regarding the total number of existing stacks with the provisions of CEMS and its connectivity.	Self-declaration already submitted to MoEFCC. Condition complied.
3	Though the SMS-1 has already been dismantled, greenbelt development needs to be undertaken in the said dismantled area as stipulated in the specific condition No.(iv).	Project Authority in their reply submitted that the area earmarked for greenbelt development in the specific condition No.(iv) is earmarked for the proposed new Blast Furnace-9 under the planned expansion of BSP.	The area earmarked for green belt in old SMS-1 area has been compensated through utilization of 17 acres of land under BSP ownership outside the plant premises. Condition complied.

S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26 and earlier CCR	Present status
		From the reply, it has been observed that the condition has not been complied with rather proposed to use the earmarked area for proposed new expansion project. In such circumstances Project Authority ought to have obtained amendment in the said EC condition. The condition has not been complied with.	
4	Project Authority shall ensure proper handling and disposal of the legacy slag existing within the project area by following the "Guidelines on Management of Pyrometallurgical Slags" issued by the CPCB in the year 2023 - specific condition No.(viii).	Huge quantity of slag generated from the SMS is being stacked openly within the project area and thus accumulated as legacy slag. Project Authority in their reply submitted that the guidelines issued by CPCB for Management of Pyro-metallurgical Slags - Iron and steel slag are being adhered to for both fresh and legacy slags. However, details are not made available regarding the annual report comprising of slag generation, utilization and storage, submitted to the Regulatory Authorities concerned and time targeted action plan for disposal of the remaining legacy slag existing within the project area. Till such time Project Authority shall ensure adequate storm-water drains are in place to avoid surface run-off from this area to nearby water bodies. Ministry may take appropriate view	Legacy slag shall be evacuated by 2030-31. Sale Orders issued to three vendors. Garland drains provided around slag storage areas. Details provided in the ATR submitted to IRO, MoEFCC, Raipur and also in the EAC meeting presentation. Presentation already submitted to MoEFCC on 22/5/2026 Under compliance.

Observations of IRO on the compliance status of earlier EC, Action taken by BSP & Present Status - Conditions now Partially complied & action plan for compliance

S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26	Present status
1	Though the treated water from various process units is being recycled and reused to the extent possible, presently Bhilai Steel Plant is not complied with the ZLD system - Specific condition No.(v).	It has been observed from the reply that the Project Authority has not clarified the ZLD compliance with the details of total quantity of the water being consumed per day for the operation of the Project and the total quantity of wastewater generation per day from the process and installed capacity of the treatment facilities within the Project	As per Action Taken Report submitted to IRO vide letter no. No. GM I/c (Env.MD)/B-8/2025/, the total quantity of wastewater being discharged as on 19.12.25 was reported to be about 300 m3/hr. Subsequent to the above action taken report submitted to IRO, 4 nos. measures were implemented, as a result of which the total discharge from

S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26 and earlier CCR	Present status
		t and quantity of treated water is being completely reused within the Unit without any discharge from the Industrial premise. Instead, Project Authority relied upon the previous review report issued by the Regional Office of MoEFCC at Nagpur in September 2018. Further, Project Authority in their reply has declared that treated waste water of about 250 to 300 m³/hr is being discharged from the plant outlets. Project Authority in their reply submitted that a timeline has been set for a period of four years for completion of the proposed project activities envisaged in their reply, i.e. by 31/03/2029. Presently, there are two separate dedicated water channels (for inlet water and outlet water) are existing in the Project, which are separately connected between the Plant Premise and the water reservoir located outside the Plant Premise. In view of the above, this Office does not agree with the claim of the Project Authority in respect of the present compliance regarding Zero Liquid Discharge (ZLD). If it is not feasible to comply the said condition, Project Authority may get appropriate amendment in the EC condition. Ministry may take appropriate view.	Outfall A, B and C have been reduced to about 160 m³/hr. The details of measures undertaken till date for reduction of the discharge with reduction quantity of each mitigation measure along with its geo-tagged photographs is submitted to IRO. Further 140 m³/hr of water being discharged presently shall be reduced by implementation of additional 4 nos. measures which have been planned to be implemented by March 2027. Details provided in the ATR submitted to IRO, MoEFCC, Raipur and also in the EAC meeting presentation. Presentation already submitted to MoEFCC on 22/5/2026 Under compliance.

Observations of IRO on the compliance status of earlier EC, Action taken by BSP & Present Status - Conditions ----- Request for Amendment in EC

S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26	Present status
1	Project Authority shall ensure proper handling and disposal of the legacy slag existing within the project area by following the "Guidelines on Management of Pyrometallurgical Slags" issued by the CPCB in the year 2023 – specific condition No.(viii).	Huge quantity of slag generated from the SMS is being stacked openly within the project area and thus accumulated as legacy slag. Project Authority in their reply submitted that the guidelines issued by CPCB for Management of Pyro-metallurgical Slags – Iron and steel slag are being adhered to for both fresh and legacy slags.	Installation of dry-type system is not feasible under the present plant gas network configuration. BSP requests EAC to kindly consider issue of amendment in the EC condition. Request letter for amendment in EC already submitted on 26/5/2026 through email.

S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26 and earlier CCR	Present status
		However, details are not made available regarding the annual report comprising of slag generation, utilization and storage, submitted to the Regulatory Authorities concerned and time targeted action plan for disposal of the remaining legacy slag existing within the project area. Till such time Project Authority shall ensure adequate storm-water drains are in place to avoid surface run-off from this area to nearby water bodies. Ministry may take appropriate view.	

5. During the discussions, BSP has also requested the EAC to consider the following amendment against one of the conditions stipulated in the existing EC (Reference-3). The details of the same and the amendment required are given below:

Condition under Existing EC (Dtd 24th May, 2019)	Observation of IRO, in the report dtd 28/11/2025 submitted to MoEFCC	Current situation as informed by BSP during EAC meeting	Amendment Proposed
General condition B.II(xxii). The project proponent shall install Dry Gas Cleaning Plant with bag filter for Blast Furnace and-SMS convertor- (to be decided on case to case basis depending on type and size of plant)	Project Authority has installed wet gas cleaning systems for BF's & SMS convertors as the Dry Gas Cleaning Plant was not feasible with the present plant gas network and gas volume generation. In this regard, Project Authority is advised to get necessary amendment from the MoEF&CC - General condition B.II(xxii).	Installation of dry-type systems is not feasible under the present plant gas network.	The Project Proponent shall decide on case to case basis to install either Dry-type Gas Cleaning Plant or Wet-type Gas Cleaning Plant for Blast Furnace and SMS Convertor depending on feasibility, type and size of plant.

3.2.3. Deliberations by the committee in previous meetings

N/A

3.2.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

1. The instant proposal is for expansion from 7.5 MTPA Hot Metal to 8.8 MTPA, 7.0 MTPA Crude Steel to 8.3 MTPA and from 6.3 MTPA Finished Steel to 7.55 MTPA under the provisions of para 7(ii) of the EIA Notification, 2006.
2. The EAC deliberated on the justification provided by the Project Proponent for appraisal of instant proposal under para 7(ii) of EIA Notification, 2006 in pursuance to the Ministry's O.M. dated 11.04.2022 and found it satisfactory. Further, since PP has prepared the Addendum EIA/EMP for seeking upto 20% expansion in production capacity, and considering the provisions mentioned in the O.M. dated 11.04.2022, **the EAC agreed to apprise the proposal for expansion from 7.5 MTPA Hot Metal to 8.8 MTPA (17.33%), 7.0 MTPA Crude Steel to 8.3 MTPA (18.57%) and from 6.3 MTPA**

Finished Steel to 7.55 MTPA (19.84%) in the instant case.

3. The existing Bhilai Steel Plant (BSP) was initially granted Environmental Clearance vide File No. IAJ-11011/28/2007-IA.II(I) dated 31.03.2008 for modernization-cum-expansion from 4 MTPA to 7 MTPA crude steel capacity along with a captive power plant. The EC was subsequently amended on 23.06.2011, and its validity was extended up to 30.03.2018 vide MoEF&CC letter dated 05.07.2013. Further amendments to the EC were issued on 23.07.2014 and 15.01.2018. Thereafter, EC for revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant was granted vide letter dated 24.05.2019 followed by subsequent amendment in 28.04.2022. Consent to Operate for the existing unit was accorded by Chhattisgarh Environment Conservation Board vide Ir. No. 4665/TS/CECB/2025 dated 25.07.2025. The validity of CTO is up to 31.07.2026.
4. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the Project Proponent.
5. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is an expansion proposal applied under Para 7(ii)(a). Accordingly, it reviewed the mitigation measures proposed by the PP w.r.t. the proposed site and nearby sensitive receptors, and found the same as adequate. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The project area of SAIL-BSP is 3284.75 ha. SAIL-BSP is having total 6286.75 ha (15534 acre) of land under its possession. No additional land will be required for the proposed enhancement.
9. Nearest major town is Bhilai along with other sensitive areas within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
11. Tandula canal inside the plant boundary. NOC with respect to Tandula canal was obtained from WRD vide Memo no. 329/TS/2026 dated 09.03.2026. Shivrath River is in the northwest direction along with other water bodies within study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
12. Existing water requirement is 3,68,500 m³/day which is being obtained from the Chhattisgarh Water Resource Department through Tandula Canal. The additional water requirement for the proposed project is estimated as 21,840 m³/day (excluding drinking and sanitation purpose) and will be obtained from the Chhattisgarh Water Resource Department through Tandula Canal from the existing allocation. The EAC opined that the PP secure the required approval from the appropriate authority, as applicable.
13. The Committee deliberated upon the baseline environmental data and the incremental pollution load arising due to the proposed 20% capacity expansion, including detailed assessment of air, water, solid, and hazardous waste pollution loads. The Committee noted that emissions of PM, SO₂ and NO_x are expected to increase marginally (about 13%, 19% and 63% respectively); however, the

resultant emission levels remain within prescribed limits and are proposed to be adequately controlled through existing and enhanced pollution control systems. It was further observed that there is no additional wastewater generation and the project will continue to operate under zero liquid discharge (ZLD). With respect to solid and hazardous waste, the Committee noted that while certain wastes such as BF slag, dust and SMS/BOF slag show moderate increase, others such as BF flue dust and fly ash show reduction or complete utilization, and all wastes are proposed to be managed through recycling, reuse and authorized disposal in compliance with applicable rules. The Committee also noted a marginal increase in traffic load without any change in level of service (LOS). Accordingly, the EAC found the environmental impacts to be manageable and satisfactory for appraisal of the instant proposal under para 7(ii) of the EIA Notification, 2006.

14. It is reported that there is presence of twenty Schedule-I species as reported in the study area which includes six mammals, five reptiles and nine birds as per the Wild Life (Protection) Amendment Act, 2022. A robust wildlife conservation plan for Schedule-1 species has been prepared and submitted to the office of Principal Chief Conservator of Forests (PCCF)/, Chhatisgarh on 06.04.2026. Total budget for implementation of WCP (5 Years) is about Rs. 48 Lakhs in accordance with Plan. The EAC opined that the recommendations of the approved plan shall be ensured to be strictly implemented in coordination with the State Forest Department.
15. The Committee noted that the public hearing for the existing project was conducted on 8th June, 2018 at Nehru Sanskritik Bhavan, Sector-I, Bhilai Nagar, Tehsil Durg-Bhilai, District Durg (C.G.), and the project was subsequently accorded Environmental Clearance. The Committee further took cognisance of the CER Action Plan prepared in accordance with the Ministry's Office Memorandum dated 30.09.2020, wherein an amount of Rs. 2.26 crore was earmarked for Corporate Environment Responsibility (CER) activities. The Committee noted that the Project Proponent has undertaken various need-based activities in consultation with local authorities, covering infrastructure development, drinking water supply, sanitation, health care, and community welfare in nearby villages such as Selud and Khapri. It was further observed that the proponent has incurred an expenditure of Rs. 2.34 Crores, which is higher than the committed amount. After detailed deliberation, the Committee found the implementation of CER activities and the additional need-based action plan of Rs. 49.41 Crores to be satisfactory and took the same on record.
16. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LIFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
17. PP reported that existing greenbelt has been developed in 1823.16 ha which is about 29% of the total project area of 6286.75. The EAC opined that greenbelt shall be developed in 33% of the project area as per the condition stipulated in earlier EC and further maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.
18. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
19. The Committee deliberated on the Certified Compliance Report and subsequent review carried out by the Integrated Regional Office (IRO), MoEF&CC. The Committee noted that the IRO conducted site inspection on 16.09.2025-17.09.2025 and issued the Certified Compliance Report on 28.11.2025, followed by submission of Action Taken Report (ATR) by the Project Proponent and a subsequent review report dated 27.03.2026. The Committee further noted that most of the observations raised by the IRO have been addressed and complied with by the Project Proponent, including installation and connectivity of monitoring systems, submission of compliance reports, and corrective measures in process operations. However, certain issues such as full compliance of Zero Liquid Discharge (ZLD), management and disposal of legacy slag, are under implementation with defined timelines. The Committee also noted that the Project Proponent has undertaken and proposed additional mitigation measures, particularly for reduction of wastewater discharge with time-bound targets extending up to March 2027, and has committed to achieving full compliance. After detailed deliberation, the Committee found the overall compliance status to be satisfactory for appraisal, subject to continued implementation of the remaining measures in a time-bound manner and submission of compliance

status to the IRO, MoEF&CC.

20. The Committee deliberated on the request of the Project Proponent for amendment in the earlier EC condition in light of the observations made by the Integrated Regional Office (IRO), MoEF&CC regarding installation of Dry Gas Cleaning Plant (DGCP) for Blast Furnace and SMS. The Committee noted that the Project Proponent has submitted that installation of dry-type gas cleaning system is not feasible under the existing plant configuration and gas network, and has proposed consideration of appropriate amendment in the EC condition. The Committee also took cognisance of the observations of the IRO recommending that the Project Proponent may obtain suitable amendment from the Ministry. After detailed deliberation, the Committee opined that while site-specific technical constraints may be considered, the Project Proponent shall adopt the best available and feasible technology for gas cleaning to ensure compliance with prescribed emission norms. The Committee further emphasized that the decision regarding amendment of the condition may be considered ensuring that environmental performance is not compromised.
21. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.
22. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
23. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
24. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

3.2.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.2.6. Details of Environment Conditions

3.2.6.1. Specific

Specific	
1.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
2.	
3.	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

4.	Nearest major town is Bhilai along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
5.	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
6.	Tandula canal is inside the plant boundary. Project Proponent shall strictly comply with all conditions stipulated in the NOC issued by the Water Resources Department vide Memo no. 329/TS/2026 dated 09.03.2026 and implement the recommended measures.
7.	Shivnath River is in the northwest direction along with other water bodies within study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
8.	Existing water requirement is 3,68,500 m ³ /day which is being obtained from the Chhattisgarh Water Resource Department through Tandula Canal. The additional water requirement for the proposed project is estimated as 21,840 m ³ /day (excluding drinking and sanitation purpose) and will be obtained from the Chhattisgarh Water Resource Department through Tandula Canal from the existing allocation. PP shall secure the required approval from the appropriate authority, as applicable.
9.	Green Belt shall be developed 33% of the project area and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
10.	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)
11.	All the commitments made towards socio-economic development of the nearby villages during appraisal shall be satisfactorily implemented. The action plan with budgetary allocation of Rs. 49.41 Crores shall be implemented in accordance to the Ministry's OM dated 30.09.2020 and progress shall be submitted to the Regional Office of MoEF&CC.
12.	PP shall implement the skill development programs, in alignment with relevant Government initiatives/programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
13.	PP shall ensure full compliance with all observations of the Integrated Regional Office (IRO), MoEF&CC, including those pending at the time of appraisal, particularly with respect to achieving Zero Liquid Discharge (ZLD), scientific management and disposal of legacy slag. All remaining measures shall be implemented in a time-bound manner, as committed, including wastewater reduction targets up to March 2027. The Project Proponent shall submit periodic compliance reports to the Integrated Regional Office (IRO), MoEF&CC, and any non-compliance observed shall be addressed promptly with corrective

	measures to the satisfaction of the regulatory authorities.
1 4.	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
1 5.	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1 6.	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored and reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1 7.	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
1 8.	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1 9.	The project proponent shall implement training and awareness programmes on natural/organic farming in consultation with the local Gram Panchayat, including distribution of quality seeds, promotion of organic farming practices, and facilitation of linkages for procurement of organic inputs, as committed. The activities shall be carried out in a structured and time-bound manner with measurable outcomes.
2 0.	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
2 1.	PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
2 2.	PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
2 3.	In modification of the condition stipulated in the earlier Environmental Clearance, the Project Proponent shall adopt either Dry-type or Wet-type Gas Cleaning Plant for the Blast Furnace and SMS Converter, based on site-specific feasibility, plant configuration, and capacity, ensuring compliance with prescribed emission standards.
2 4.	The particulate matter emissions from the proposed new process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.

3.2.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Statutory compliance	
1.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
2.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
Air Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
3.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
6.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8.	
9.	The project proponent shall provide primary and secondary fume extraction system at all heat treatment

	furnaces.
10.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
11.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
12.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
13.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
14.	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
15.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
16.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
17.	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
18.	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
19.	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
20.	Low NO _x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

Water Quality Monitoring and Preservation

1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through

	labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.	Water meters shall be provided at the inlet to all unit processes in the steel plants.
5.	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
6.	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
7.	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
8.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
Water Quality Monitoring and Preservation in case of Rolling Mills	
1.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
2.	The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
3.	Treated water from ETP of COBP shall not be used for coke quenching.
Noise Monitoring and Prevention	
1.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
2.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
3.	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.
Energy Conservation Measures	
1.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
2.	Restrict Gas flaring to < 1%.
3.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas,

	street lights, parking around project area and maintain the same regularly;
4.	Provide LED lights in their offices and residential areas.
Energy Conservation Measures in case of Reheating Furnace	
1.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2.	Practice hot charging of slabs and billets/blooms as far as possible.
3.	Ensure installation of regenerative type burners on all reheating furnaces
Energy Conservation Measures in case of Blast Furnace	
1.	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
2.	Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.
Waste Management	
1.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
2.	Kitchen waste shall be composted or converted to biogas for further use.
3.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
5.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
6.	Solid waste utilization: a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.
Waste Management in case of Sinter Plant	
1.	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for

	100% reuse of rejects from Waste Recycling Plant.
2.	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
3.	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
4.	In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.
5.	Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).
Green Belt	
1.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
2.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
3.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
Public Hearing and Human Health Issues	
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
3.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
Environment Management	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
2.	The company shall have a well laid down environmental policy duly approve by the Board of Directors.

	The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
6.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
7.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
8.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
9.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The

	implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1. 1.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
1. 2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
1. 3.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
1. 4.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
1. 5.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
1. 6.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
1. 7.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3.3. Agenda Item No 3:

3.3.1. Details of the proposal

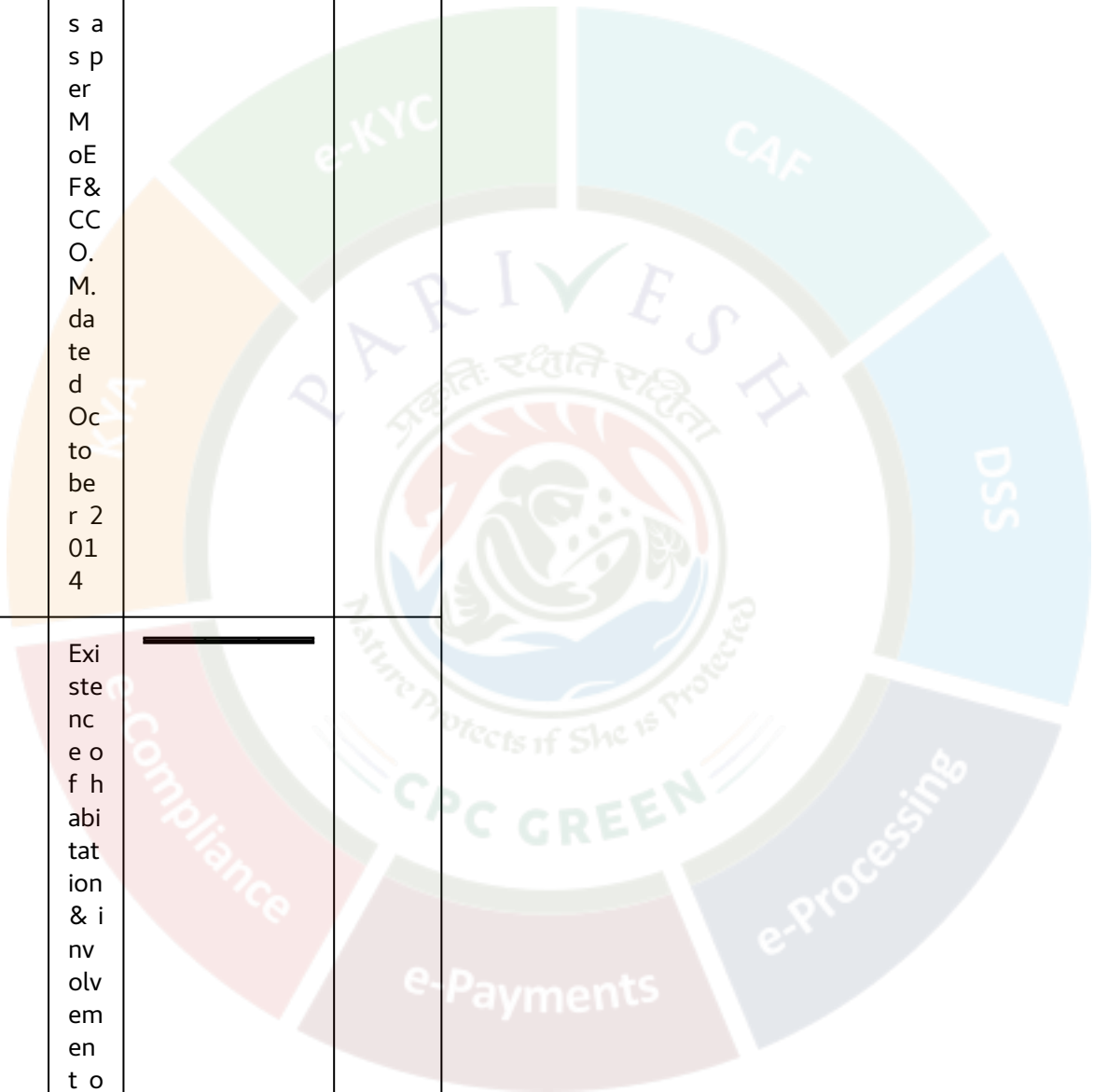
Expansion of Steel Plant - DRI Kilns (Sponge Iron from 1,20,000 TPA to 6,48,000 TPA), Induction Furnaces along with CCM & LRF (Hot Billets / Billets / Ingots from 1,23,500 TPA to 4,53,000TPA), Rolling Mills (TMT bars / Structural Steel / Wire Rod Mill with HB Wire cooled Roll & Strip Mill with Pipe Mill)(85 % Hot charging with Hot Billets and remaining 15% through RHF with LDO as fuel from 94,800 TPA to 5,30,400 TPA), WHRB based Power Plant from 8 MW to 44 MW, FBC based Power Plant from 4 MW to by SH REE RUPANADHAM STEEL PVT LTD located at RAIGARH,CHHATTISGARH			
Proposal For		Expansion EC	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/CG/IND1/538005/2025	J-11011/308/2009-IA II (I)	18/10/2025	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

3.3.2. Project Salient Features

Date of application	Consideration	Details	Date of accord	ToR Validity
16.11.2021	Standard ToR issued	Terms of Reference	24.11.2021	23.11.2025
S.No.	EDS point	Reply		
1.	It is reported that the proposed expansion proposal involves additional land. PP shall demarcate the boundaries of existing and additional land in the kml file separately in different colors.	Google Earth map showing existing and additional land clearly demarcating boundaries is uploaded in Parivesh Portal.		
2.	It is observed that the EC was granted on 29.03.2011, inter alia, for Sponge Iron production with a capacity of 90,000 TPA (3 × 100 TPD). However, the Consent to Operate (CTO) reflects a higher Sponge Iron production capacity of 120,000 TPA (4 × 100 TPD), indicating a discrepancy between the approved and operated capacity. Furthermore, in the instant proposal, the project proponent has also sought an expansion of the DRI kilns, proposing to increase the Sponge Iron production capacity from 120,000 TPA to 648,000 TPA, whereas the EC capacity was 90,000 TPA. In view of this, the PP is requested to submit a detailed justification for the existing capacity reflected in the CTO, along with relevant documents or approvals permitting the increase beyond the EC-sanctioned limit.	We submit that we have obtained No Increase in Pollution Load (NIPL) certificate under 7(ii)c of EIA notification, 2006 from CECB for additional 30,000 TPA of Sponge Iron (i.e. Increase in production capacity from 90,000 TPA to 1,20,000 TPA), WHRB Power plant – 2 MW (i.e. from 6 MW to 8 MW) & Brick Manufacturing capacity – 80,000 Bricks/day vide CECB letter no. 6313/TS/HO/CECB/2020 dt. 19 th October 2020 based on MOEF&CC Notification S.O. 236 (E) for NIPL vide dated 16-01-2020.		
3.	The land documents submitted by the project proponent reflect a lesser land than the total land area mentioned for the project. In this regard, the PP is requested to provide a clarification and submit the complete set of land documents corresponding to the entire project area. The documents should be duly translated into English and notarized. The information may be submitted in compliance to the OM dated 07-10-2014, as amended.	Existing plant land - 11.141 Ha. Additional land - 21.749 Ha. Total land after exp. - 32.890 Ha. Land document duly translated is uploaded in Parivesh Portal.		
4.	The PP needs to submit the details of activities/ECs/CTEs/CTOs in tabular form showing its details of ECs/CTEs/CTO vis-à-vis production capacity since grant of CT	Details of activities/ECs/CTEs/CTOs in tabular form showing its details of ECs/CTEs/CTO vis-à-vis production capacity are uploaded in Parivesh Portal.		

S.No.	EDS point	Reply
	E/CTO to check the violation, if any. All old CTEs/CTOs/ HW Authorization to be uploaded to verify the violation, if any.	We hereby confirm that all approvals have been taken on time and production capacities have never been exceeded till date. Hence, no violation is committed by the company.
5.	Details of court case, directions issued by SPCB, if any, pending needs to be submitted.	No court case, directions issued by SPCB on the project.
6.	PP shall also upload proposal presentation, water permission, SOI Toposheet, authorization letter in the name of the applicant etc. which are essential for consideration of proposal.	EC presentation is uploaded in Parivesh Portal. <u>Water Permission details:</u> - Water required in the existing operating plant & permitted capacity is 645 KLD and same being sourced from Ground water source. Water permission for existing operating plant is obtained vide NOC no. CGWA/NOC/IND/REN/2/2024/9320 and same is valid till 11.04.2027. - Water required for the proposed expansion project will be 3170 KLD and same will be sourced from Bardeh Jharna Nallah. - Total water requirement after the proposed expansion will be 3815KLD. - Application has been submitted to Water Resource Department, Chhattisgarh for drawl of water from Bardeh Jharna Nallah and same is under process. - MOU has been signed with Govt. of Chhattisgarh. As part of MOU water allocation is assured for the project. SOI Topo sheet is duly uploaded in the Parivesh Portal. Authorization letter is uploaded in the Parivesh Portal.
7.	PP was required to comply with the provisions of OM dated 08-06-2022 and submit the reason for obtaining CCR from SPCB rather than RO MoEFCC. Else, a CCR be obtained from RO MOEFCC.	- We would like to inform your good selves that we have submitted a request letter to IRO, MoEF&CC, Raipur for issue of CCR vide dt 16.04.2022. - Subsequently, Project site has been visited by Regional Office and issued us the CCR with few NCs on 21.07.2022. - Later we have submitted Action Taken Report to IRO, MoEF&CC, Raipur on 11.04.2023. - However, even after 143 days, we did not receive any response from IRO, MOEF&CC. Hence we approached Chhattisgarh Environment Conservation Board (CECB) for issue of CCR and submitted a request letter on 01.09.2023. - Site inspection was held on 07.01.2025. - As per CCR all the conditions have been complied.

1.			
	Land acquisition details as per MoEF&CC O.M. dated October 2014		
	Existence of habitation & involvement of R&R, if any.		
	Latitude and Longitude	Point	Coordinate

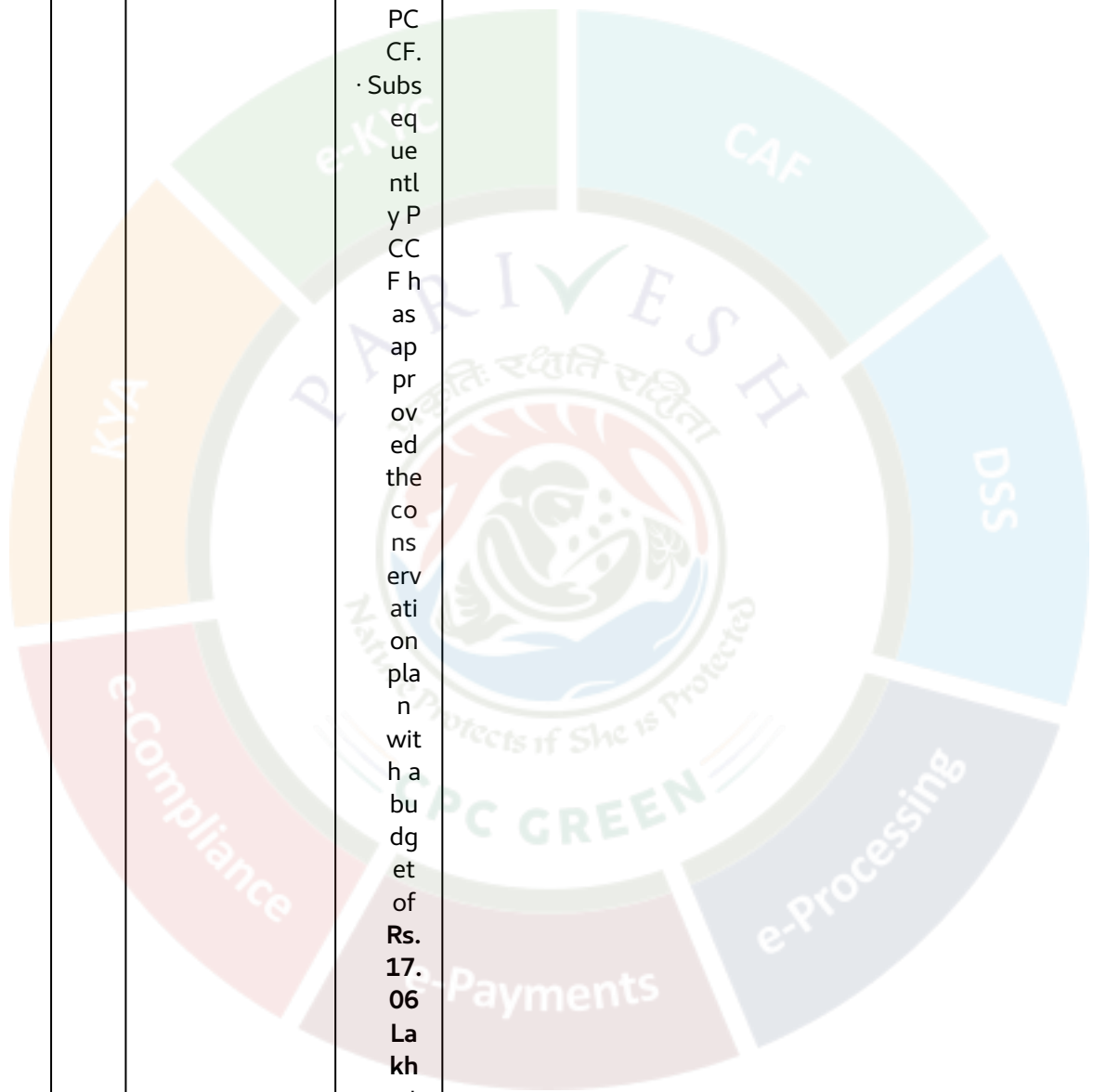


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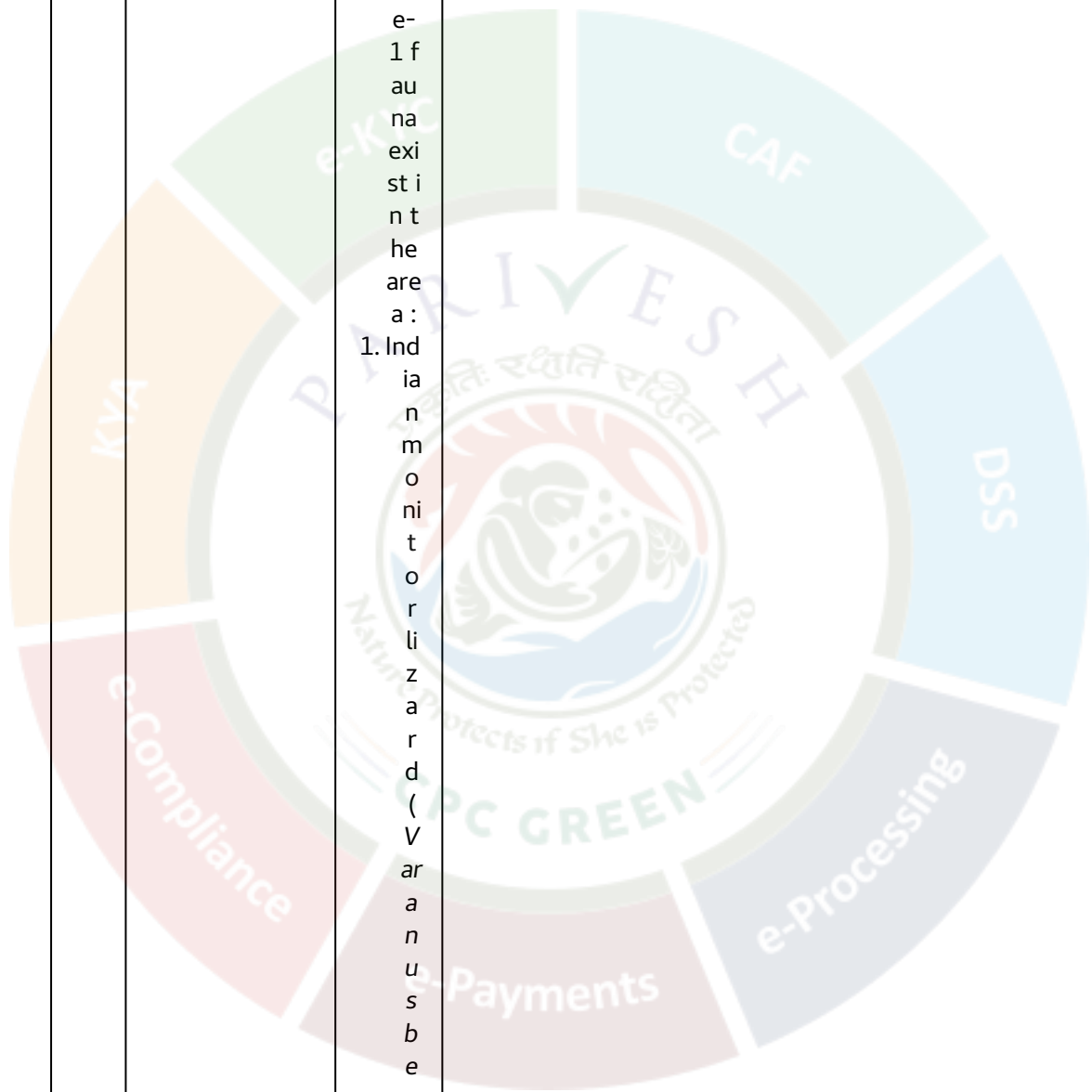
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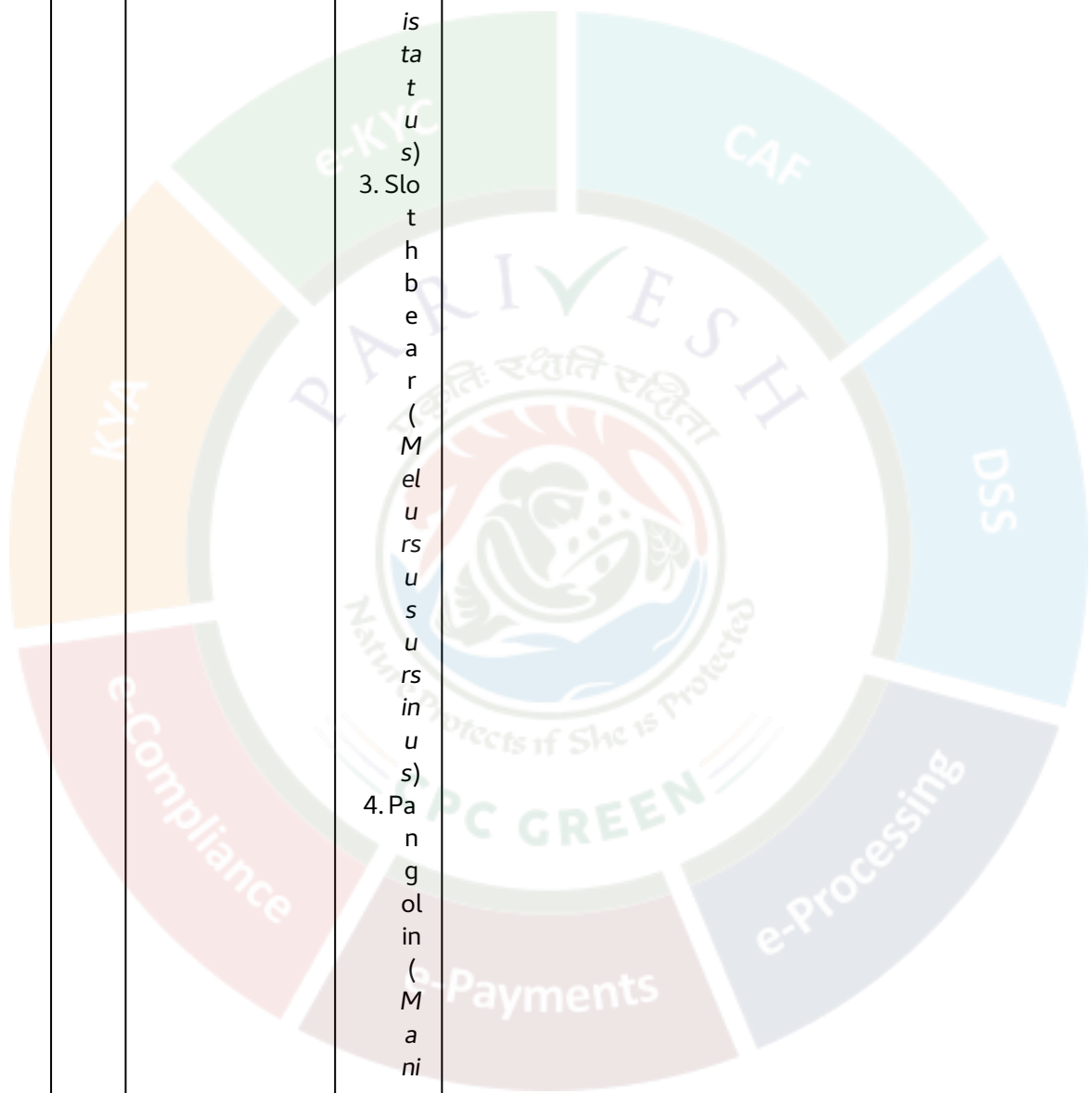
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			5 years. The following Scheme details follow: 1. India monitor for the year (various business engagements) 2. India people



			af o w l (P a v o cr is ta t u s) 3. Slo t h b e a r (M e l u r s u r s i n u s) 4. Pa n g ol in (M a ni s cr a s si c a u d at a)



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S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	vide D. No. 153/R O/ T S/ C E C B/ 2008 Raigarh Dt. 16.	33,5009 TPA TMT Bar - 4,8000 TPA			1.	DRI Kilns (Sponge Iron)	3 x 1100 T	1 x 1000 T	4 x 1000 TPD	1 x 200 TPD &	4 x 1000 T

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CT E amendment (under N I P L) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	05.2008										
2.	Consent issued vide D. No. 159/RO/TS/CE	MS Ingots - 33,500 TPA	MS Ingots - 16,750 TPA	1 st CT O granted vide letter no. 1109/RO/TS/			PD (90,000)	PD (30,000)	(1,20,000 TP	4 x 350 TP D (5,	PD, 1 x 20

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				TP A							
3.	E C g r a n t e d b y M o E F v i d e F. N o. J- 1 1 0 1 1 / 3 0 8 / 2	Sp o n g e I r o n - 9 0, 0 0 0 T P A M S B i l l e t s 3 3, 3,	--	--					n)		x 3 5 0 T P

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CT E amendment (under N I P L) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	009-IA II (I) dt. 22/03/2011	500 T P A to 1, 23, 500 T P A T M T B a r s / Structural									D (6, 48, 0

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o s ed E x p a n si on [5] = [3] + [4]
		St e el s / W ir e ro d m ill - 4, 8 0 0 T P A to 9 4, 8 0 0 T P									0 0 T P A)

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a c i t y a s p e r E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p e r C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r i m p l e m e n t a t i o n P l a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n s i o n [5] = [3] + [4]
		A W H R B P o w e r P l a n t - 6. 0 M W F B C P o w e r P l a n t - 1			2.	Inducti on Fur naces with C CM (Hot Bi	1, 2 3, 5 0 0	-- -	1, 2 3, 50 0 TP	4 x 25 T (w ith 30	4, 5 3, 3 0 0

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
		2 MW									
4.	C T E g r a n t e d v i d e l e t t e r n o . 4 2 9 1 / T S / C E C B / 2	· S p o n g e I r o n - 9 0, 0 0 0 T P A · M S B i l l e t s 3	· S p o n g e I r o n - 6 0, 0 0 0 T P A (K i l n # 1 & 2)	1 st C T O g r a n t e d v i d e l e t t e r n o . 36 6 2 / T S / C E C B / 20 18		llets/ Billets / Ingots)	T P A		A (In Operation	T L R F) (3, 3 0,	T P A

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a c i t y a s p e r E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p e r C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r i m p l e m e n t a t i o n P l a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n s i o n [5] = [3] + [4]
	0 1 4 d t. 2 1/ 1 0/ 2 0 1 4	3, 5 0 0 T P A to 1, 2 3, 5 0 0 T P A T M T B a r s / S t r u c t u r		N a y a R a i p u r d t. 3 0/ 0 7/ 20 18 f o r S p o n g e i r o n - 6 0, 00 0 T P A a l o n					n)	00 0 T P A)	
					3.	Rolling	9	Bi	9	2 x	5,

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CT E amendment (under NIP L) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
		al Steels / Wire rod mill - 4,800 TPA to 9,480 T		g with MS Billets - 16,750 TPA		Mills (TMT bars / Structural Steel / Wire	4,800 T P	ll et R e h e	4,800 T P A (In	660 T P D (4,3	30,400 T

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per C T O / A m e n d m e n t t o C T O)	Dat e of 1 st C T O o btai ned fro m C E C B	S.N o.	Units (Produc ts)	P er m it te d c a p a ci ty a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci ty a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
		P A W H R B P o w e r Pl a n t - 6. 0 M W F B C P o w e r Pl a n t -				Rod Mi ll with HB Wir e coole d Roll & Strip	A	at in g F ur n	O pe rat io n)	5, 60 0 TP A)	P A

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btain ed fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x pa n si on [5] = [3] + [4]
		1 2. 0 M W									
5.	Ex te ns io n of E C va li di ty and A m e n d m e n t i n E	EC va li di ty was e xt e n d e d u p to 2 8/ 0 3/ 2	---	---		Mill wit h Pipe Mill) (85 % Hot ch arging		ac e is re pl ac			

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	C granted by MoEF vide F. No. J-11011/308/2009-IA	021 for unit implemented under units Break up FBCPo				with Hot Bille ts and remaining 15% through		ed with Di			

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
	II(I) d t. 0 9/ 0 7/ 2 0 1 8	w er Pl a n t fr o m 1 x 1 2 M W to 1 x 4 M W & 1 x 8 M W				h RHF with L DO as fuel)		re ct H ot C h			
6.	Gr	3	---	---							

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NIP L) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	ant of "No Increase in Pollution Load" certificate issued under s	0,000 TPA Spongelron additional production						argining facility			

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	ec ti on 7(ii) c vi de le tt er n o. 6 1 7 2/ T S/ C E C B/ 2 0 2 0 d	io n ca p ac it y						ity			
					4.	Ferro Alloys Units	-- -	-- -	---	2 x 9 M	2 x 9

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Units permitted	Units implemented (as per CT O / Amendment to CT O)	Date of 1 st CT O obtained from C ECB	S.No.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CT E amendment (under NIP L) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	t. 13/10/2020										
7.	CTE (under NIP L) granted vide letter n	30,000 TPA Sponging Iron a	---	---		(FeSi or FeMn or SiMn or FeCr or Pig Iron)				VA & 4 x 6 M VA	MVA & 4 x

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
	o. 6 3 1 3/ T S/ H O/ C E C B/ 2 0 2 0 d t. 1 9/ 1 0/ 2 0 2 0	d di ti o n al pr o d u c t i o n c a p a ci t y (K il n # 4) . W H R B -								(F eSi - 3 8, 90 0	6 M V A (F e

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
		2 M W Br ic k pl a n t- 8 0, 0 0 0 br ic k s/ d ay									
8.	C T O	---	Sp on ge lr	1 st C T O gr an						TP A or Fe M n-	Si - 3 8, 9 0

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
			o n - 3 0, 0 0 0 T P A (K il n # 3)	te d vi de let ter n o. 22 4/ T S/ CE C B/ 20 21 Na ya Ra ip ur dt. 0 4/ 0 5/ 20						1, 4 0, 00 0 TP	0 T P A or F

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btain ed fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
				21 for Spon g ei ro n - 9 0, 00 0 TP A al on g wi th M S Bil let s - 1 6, 75						A or Si M n- 8	e M n- 1, 4 0,

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per C T O / A m e n d m e n t t o C T O)	Dat e of 1 st C T O o btain ed fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
				0 TP A							
9.	C T O	---	W H R B P o w e r Pl a n t - 6. 0 M W F B C P o w e r Pl a	1 st C T O g r a n t e d v i d e l e t t e r n o. 87 0 9/ T S/ C E C B/ 20 22						0, 00 0 TP A or	0 0 0 TP A

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
			nt - 4. 0 M W M S Bi ll et s / I n g ot s - 1, 2 3, 5 0 0 T P A	Na ya Ra ip ur dt. 2 8/ 0 2/ 20 22 fo r W H RB Po w er Pl an t - 6. 0 M W, FB						Fe C r-8 3, 50 0	or Si M n- 8 0,

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
				C P o w er P l an t - 4. 0 M W, M S Bil let s / In go ts - 1, 2 3, 50 0 TP A al						TP Ao rP ig l ro n -	0 0 0 TP A

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained from C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
				on g wi th Sp on ge iro n – 9 0, 00 0 TP A							
10.	C T O	---	Sp o n g e I r o n – 3 0	1 ^s t C T O g r a n t e d v i d e l e t						1, 4 0, 00 0 TP	or F e C r- 8

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Pro duc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o s ed E x p a n si on [5] = [3] + [4]
			0 0 0 T P A (K il n # 4)	ter n o. 46 3 0/ T S/ CE C B/ 20 22 Na ya Ra ip ur dt. 0 6/ 1 0/ 20 22 fo r S po						A)	3, 5 0 0 T P

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained from C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
				ng el ro n 30 00 0 TP A (Kil n # 4) al on g wi th Sp on ge iro n - 9 0, 00 0							A or Pi g Ir o

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
				TP A, M S Bil let s / In go ts - 1, 2 3, 50 0 TP A, W H RB Po w er Pl an t - 6.							n - 1, 4 0, 0

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per C T O / A m e n d m e n t t o C T O)	Dat e of 1 st C T O o btain ed fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
				0 M W, F B C Po w er Pl an t - 4. 0 M W							
11.	C T O	T M T Ba rs / S tru ct ur al St eel	T M T Ba rs / S tru ct ur al St eel	1 ^s t C T O gr an te d vi de let ter							0 0 T P A)

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
		s / Wi re ro d mil l - 9 4, 80 0 TP A	s / Wi re ro d mil l - 9 4, 80 0 TP A	n o. 10 31 8/ T S/ CE C B/ 20 24 Na ya Ra ip ur dt. 2 1/ 0 3/ 20 24 fo r R oll in	5.	Coal W ashery (Wet t ype)	-- -	-- -	---	6, 0 0, 00 0 TP	6, 0 0, 00 0

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
				g Mi ll (H ot Ch ar gi n g) - 9 4, 80 0 TP A al on g wi th Sp on ge Iro n 1,						A (th ro ug hp ut	T P A (t hr o

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
				20,000 TPA, M S Billets / Ingots - 1, 2, 3, 500 TPA, WHRB Power						capa city)	u g h p ut ca

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)			P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
				Pl an t - 6. 0 M W, FB C Po w er Pl an t - 4. 0 M W									
12.	C T O	---	---	Cu rre nt CT O gr an te									pa ci ty)
					6.	P	W	6	2	8	36	4	

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)		P er m it te d c a p a ci t y a s p e r E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p e r C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
				d vi de let ter n o. 11 97 7/ T S/ CE C B/ 20 25 Na ya Ra ip ur dt. 1 9/ 0 3/ 20		o w e r P la	H R B P o w	M W	M W	M W [6 M W (In	M W (1 x 4 M W	4 M W

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained fro m C ECB	S.N o.	Units (Produc ts)		P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p os ed E x p a n si on [5] = [3] + [4]
				25 fo r S po ng e l ro n 12 00 00 TP A, M S Bil let s / In go ts - 1, 2 3, 50 0 TP		n t	er Pl a nt			op er ati on) &	& 4 x 8 M W)	

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btained from C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a c i t y a s p e r E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p e r C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r i m p l e m e n t a t i o n P l a n t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si o n [5] = [3] + [4]
				A, Ro lli ng Mi ll (H ot Ch a r gi n g) – 9 4, 80 0 TP A, W H RB Po w e r Pl an					2 M W (U n d e r		

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / Am en dm ent to CT O)	Dat e of 1 st CT O o btain ed fro m C ECB	S.N o.	Units (Products)	P er m it te d c a p a c i t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a c i t y a s p er C T E a m e n d m e n t (u n d er N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d er im pl e m en ta ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
				t – 6. 0 M W, F B C P o w er P l an t – 4. 0 M W a n d s a m e i s v a l id t il 2 8/					im pl e m en tat		

S.No.	E C / C T E / A m e n d m e n t t o C T E / N I P L / C T O	Uni ts per mit ted	Uni ts i mp le me nte d (as per CT O / A m e n d m e n t t o CT O)	Dat e of 1 st CT O o btai ned fro m C ECB	S.N o.	Units (Produc ts)	P er m it te d c a p a ci t y a s p er E C d t. 2 9. 0 3. 2 0 1 1 & 0 9. 0 7. 2 0 1 8 [1]	P er m it te d C a p a ci t y a s p er C T E a m e n d m e n t (u n d e r N I P L) d t. 1 9. 1 0. 2 0 2 0 [2]	O pe ra ti ng / U n d e r im pl e m e n t a ti on Pl an t [3]	Pr op os ed Ex pa nsi on [4]	T ot al af te r Pr o p o se d E x p a n si on [5] = [3] + [4]
				0 2/ 20 27							
									io n)]		
						F B C	1 2 M	8 M W	4 M W	50 M W	5 4 M

S.N o.	Units (Products)		Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
		Power Pla	W	(Dro ppe	(In Ope ration)	(2 x 25 MW)	W

S.N o.	Units (Products)		Permitted capacityasper ECTd t. 29.03.2011 & 09.07.2018 [1]	Permitted Capacityasper CTE amendment (under NPL) d t. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
		nt		d)			
7.	Brick Manufacturing Unit		-- -	-- -	80,000	70,000	1,50,000

S.N o.	Units (Products)	Permitted capacityasper ECDt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacityasper CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
				Bricks/day (U	Bricks/day	00 Bricks/

S.N o.	Units (Products)	Permitted capacityasper ECDt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacityasper CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
				nder implementation		day

S.N o.	Units (Products)	Permitted capacityasper ECDt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacityasper CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
				entation)		
8.	Briquet	--	--	---	10	1

S.N o.	Units (Products)	Permitted capacity as per EC dt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
	ting Plant	-	-		00 k g/hr.	0000 k g/h

S.N o.	Units (Products)	Permitted capacityasper ECDt. 29.03.2011 & 09.07.2018 [1]	Permitted Capacityasper CTE amendment (under NPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
						r.

S.No.	Raw Material		Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
1.	DRI Kilns (Sponge Iron) 5,28,000 TPA (1 x 200 TPD & 4 x 350 TPD)					
a)	Pellets		7,92,000	Purchased From Outside	---	Through covered conveyers
	Or					
b)	Iron Ore		8,44,800	Barbil, Orissa NMDC, Chhattisgarh	~ 500 Kms.	By rail & road (through covered trucks)
c)	Coal	Indian (100%)	6,86,400	SECL Chhattisgarh / MCL Odisha	~ 500 Kms	By rail & road (through covered trucks)
		(or)				
		Imported (100%)	4,40,000	Indonesia / South Africa / Australia	~ 600 Kms. (from Vizag Port)	Through sea route, rail route & by road (through covered trucks)
d)	Dolomite		26,400	Chhattisgarh	~ 100 Kms.	By road (through covered trucks)
2.	Steel Melting Shop (Hot Billets / MS Ingots / Billets) -3,30,000 TPA (4x25 T) with 1x30 T LRF)					
a)	Sponge Iron		3,33,000	Own generation	---	Through covered conveyers
b)	MS Scrap/ Pig Iron/end cuttings		50,000	Chhattisgarh	~ 100 Kms.	By road (through covered trucks)
c)	Ferro alloys		17,000	Own generation	---	By road (through covered trucks)
3.	Rolling Mill through Hot charging & RHF (TMT bars / Structural Steel) - 4,35,600 TPA					

S.No.	Raw Material		Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
a)	Hot Billets / Billets / Ingots		4,66,100	Own generation & purchased from outside	----	----
b)	LDO / LSHS		3800 KL/annum	Nearby IOC Depot	~ 100 Kms.	By road (through Tankers)
4.	FBC Boiler [Power Generation 2 x 25 MW]					
a)	Indian Coal (100%)		2,97,000	SECL Chhattisgarh / MCL Odisha	~ 500 Kms.	By rail & road (through covered trucks)
	OR					
b)	Imported Coal (100%)		1,90,377	Indonesia / South Africa / Australia	~ 600 Kms. (from Vizag Port)	Through sea route, rail route & by road (through covered trucks)
	OR					
c)	Dolochar/washery rejects + Indian Coal	Dolochar/ washery rejects	1,05,600 1,50,000	In plant generation	---	through covered conveyors
		Indian Coal	2,44,200	SECL Chhattisgarh / MCL Odisha	~ 500 Kms.	By rail & road (through covered trucks)
	OR					
d)	Dolochar + Imported Coal	Dolochar/ washery rejects	1,05,600 1,50,000	In plant generation	---	---
		Imported	1,37,577	Indonesia	~ 600 Kms.	Through sea route

S.No.	Raw Material		Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
		d Coal		a / South Africa / Australia	(from Vizag Port)	oute, rail route & by road (through covered trucks)
5.	Ferro Alloys (2 x 9 MVA & 4 x 6 MVA)					
5 (i)	Ferro Silicon – 38,900TPA					
a)	Quartz	56,700	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)	
b)	Coke	44,100	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)	
c)	MS Scrap / Mill scales	9,870	Inhouse Generation	---	By road (through covered trucks)	
d)	Electrode paste	840	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)	
e)	Bagfilter dust	467	Own generation	---	---	
5 (ii)	Ferro Manganese – 1,40,000 TPA					
a)	Manganese Ore	1,59,600	MOIL / OMC	~ 500 Kms.	By Rail & Road (through covered trucks)	
b)	Coke	46,200	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)	
c)	Dolomite	18,900	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)	

S.No.	Raw Material	Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
d)	MS Scrap / Mill scales	16,800	Inhouse Generation	---	By road (through covered trucks)
e)	Electrode Paste	1,470	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)
f)	Bagfilter dust	2334	Own generation	---	---
5 (iii)	<i>Silico Manganese – 80,000 TPA</i>				
a)	Manganese Ore	1,13,400	MOIL / OMC	~ 500 Kms.	By Rail & Road (through covered trucks)
b)	Coke	37,800	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	FeMn. Slag	70,686	In house generation	---	----
d)	Dolomite	17,220	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
e)	Electrode paste	1470	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)
f)	Quartz	18,060	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
g)	Bagfilter dust	467	Own generation	---	---
5 (iv)	<i>Ferro Chrome – 83,500 TPA</i>				

S.No.	Raw Material	Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
a)	Chrome Ore	1,32,300	Sukinda, Odisha	~ 500 Kms.	By road (through covered trucks)
b)	Coke	46,200	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	Quartz	18,900	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
d)	MS Scrap / Mill Scale	6,300	Inhouse Generation	---	By road (through covered trucks)
e)	Bauxite	12,600	Chhattisgarh / Maharashtra	~ 500 Kms.	By road (through covered trucks)
f)	Electrode Paste	1,260	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)
g)	Bagfilter dust	2,800	Own generation	---	---
5 (v)	Pig Iron – 1,40,000 TPA				
a)	Iron ore / Sinter	214200	Barbil, Orissa NMDC, Chhattisgarh	~ 500 Kms.	By rail & road (through covered trucks)
b)	Coke	100800	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	Dolomite	13860	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)

S.No.	Raw Material	Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
					rucks)
d)	Quartz	7140	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
e)	Bagfilter dust	2334	Own generation	---	---
6.	Coal Washery - 6,00,000 TPA (throughput capacity)				
	ROM Coal	6,00,000	SECL Chhattisgarh / MCL Odisha	~ 500 Kms.	By rail & road (through covered trucks)
15 th October 2021 to 15 th January 2022 and further collected data during 15 th October 2024 to 15 th January 2025 as earlier baseline data was 3 years old.					
AAQ parameters at 8 locations		Parameter	Concentration (15th Oct. 2021 to 15th Jan. 2022)	Concentration (15th Oct. 2024 to 15th Jan. 2025)	Standard as per NAAQS
		PM _{2.5}	21.9 to 45.3 mg/m ³	23.9 to 46.1 mg/m ³	60 mg/m ³
		PM ₁₀	38.6 to 75.6 mg/m ³	40.5 to 76.9 mg/m ³	100 mg/m ³
		SO ₂	6.9 to 18.2 mg/m ³	8.8 to 20.1 mg/m ³	80 mg/m ³
		NO ₂	7.1 to 25.4 mg/m ³	9.1 to 27.3 mg/m ³	80 mg/m ³
		CO	330 to 1025 mg/m ³	360 to 1045 mg/m ³	2000 mg/m ³
AAQ modelling (incremental GLC's) ISC 3 model is used		Incremental GLCs due to the proposed expansion project: PM _{2.5} = 1.03 µg/m ³ (2800 m in SW); PM _{2.5} = 0.31 µg/m ³ (Vehicular) PM ₁₀ = 1.72 µg/m ³ (2800 m in SW) ; PM ₁₀ = 0.68 µg/m ³ (Vehicular) SO ₂ = 6.20 µg/m ³ (2500 m in SW) NO ₂ = 7.10 µg/m ³ (2900 m in SW) ; NO _x (vehicular) = 5.24 µg/m ³ CO = 0.91 µg/m ³ (1200 m in SW) ; CO = 3.34 µg/m ³ (Vehicular)			
Ground water quality at 8 locations		Parameters	Concentration (15th Oct. 2021 to 15th Jan. 2022)	Concentration (15th Oct. 2024 to 15th Jan. 2025)	
		pH	7.2 to 8.1	7.1 to 8.0	
		TDS (in mg/l)	334 to 542	329 to 547	

	<table><tr><td>Total Hardness (in mg/l)</td><td>190 to 296</td><td>192 to 299</td></tr><tr><td>Chlorides (in mg/l)</td><td>164 to 251</td><td>162 to 258</td></tr><tr><td>Fluoride (in mg/l)</td><td>0.4 to 0.59</td><td>0.3 to 0.61</td></tr><tr><td>Iron (in mg/l)</td><td>0.014 to 0.024</td><td>0.012 to 0.025</td></tr></table>	Total Hardness (in mg/l)	190 to 296	192 to 299	Chlorides (in mg/l)	164 to 251	162 to 258	Fluoride (in mg/l)	0.4 to 0.59	0.3 to 0.61	Iron (in mg/l)	0.014 to 0.024	0.012 to 0.025																																											
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Surface water quality	<table><tr><th>Parameter</th><th>Concentration (15th Oct. 2021 to 15th Jan. 2022)</th><th>Concentration (15th Oct. 2024 to 15th Jan. 2025)</th></tr><tr><td>pH</td><td>7.2 to 8.1</td><td>7.5 to 8.0</td></tr><tr><td>DO (in mg/l)</td><td>2.9 to 6.1</td><td>3.2 to 6.3</td></tr><tr><td>BOD (in mg/l)</td><td>2.4 to 3.0</td><td>2.5 to 2.9</td></tr><tr><td>COD (in mg/l)</td><td>6.3 to 7.9</td><td>6.5 to 8.4</td></tr><tr><td>TDS (in mg/l)</td><td>187 to 461</td><td>193 to 456</td></tr><tr><td>Sulphates (in mg/l)</td><td>70 to 172</td><td>72 to 171</td></tr><tr><td>Chlorides (in mg/l)</td><td>89 to 220</td><td>92 to 217</td></tr></table>	Parameter	Concentration (15 th Oct. 2021 to 15 th Jan. 2022)	Concentration (15 th Oct. 2024 to 15 th Jan. 2025)	pH	7.2 to 8.1	7.5 to 8.0	DO (in mg/l)	2.9 to 6.1	3.2 to 6.3	BOD (in mg/l)	2.4 to 3.0	2.5 to 2.9	COD (in mg/l)	6.3 to 7.9	6.5 to 8.4	TDS (in mg/l)	187 to 461	193 to 456	Sulphates (in mg/l)	70 to 172	72 to 171	Chlorides (in mg/l)	89 to 220	92 to 217																															
Parameter	Concentration (15 th Oct. 2021 to 15 th Jan. 2022)	Concentration (15 th Oct. 2024 to 15 th Jan. 2025)																																																						
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TDS (in mg/l)	187 to 461	193 to 456																																																						
Sulphates (in mg/l)	70 to 172	72 to 171																																																						
Chlorides (in mg/l)	89 to 220	92 to 217																																																						
	The equivalent day-night noise levels in the study zone are ranging from 46.80 dBA to 67.90 dBA during December 2021 and further Noise levels collected during revalidation of Noise Levels in December 2024 and equivalent day-night noise levels in the are ranging from 48.01 dBA to 67.15 dBA.																																																							
Traffic assessment study Findings	· Traffic study has been conducted at State Highway # 1 (Raigarh to Gharghoda) passing at distance of 8.5 Kms. from the plant site. · Existing PCU is 1084.25 PCU/Hr on SH # 1 and existing level of service (LOS) is 'C' <table><tr><th>Road</th><th>V (Volume in PCU/hour)</th><th>C (Capacity in PCU/hour)</th><th>Proposed V/C Ratio</th><th>LOS</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><th>Road</th><th>V (Volume in PCU/hour)</th><th>C (Capacity in PCU/hour)</th><th>Proposed V/C Ratio</th><th>LOS</th></tr><tr><td></td><td>1189.87 =</td><td></td><td></td><td></td></tr><tr><th colspan="2">V/C</th><th>LOS</th><th colspan="2">Performance</th></tr><tr><td colspan="2">0.0 – 0.2</td><td>A</td><td colspan="2">Excellent</td></tr><tr><td colspan="2">0.2 – 0.4</td><td>B</td><td colspan="2">Very Good</td></tr><tr><td colspan="2">0.4 – 0.6</td><td>C</td><td colspan="2">Good</td></tr><tr><td colspan="2">0.6 – 0.8</td><td>D</td><td colspan="2">Fair/ Average</td></tr><tr><td colspan="2">0.8 – 1.0</td><td>E</td><td colspan="2">Poor</td></tr><tr><td colspan="2">1.0 & Above</td><td>F</td><td colspan="2">Very Poor</td></tr></table>	Road	V (Volume in PCU/hour)	C (Capacity in PCU/hour)	Proposed V/C Ratio	LOS						Road	V (Volume in PCU/hour)	C (Capacity in PCU/hour)	Proposed V/C Ratio	LOS		1189.87 =				V/C		LOS	Performance		0.0 – 0.2		A	Excellent		0.2 – 0.4		B	Very Good		0.4 – 0.6		C	Good		0.6 – 0.8		D	Fair/ Average		0.8 – 1.0		E	Poor		1.0 & Above		F	Very Poor	
Road	V (Volume in PCU/hour)	C (Capacity in PCU/hour)	Proposed V/C Ratio	LOS																																																				
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0.8 – 1.0		E	Poor																																																					
1.0 & Above		F	Very Poor																																																					
Flora and fauna	There are no notified National Park/ Wild life sanctuary / Biosphere reserve / Tiger Reserve within 10 Km. radius of the plant. · Movement of elephants observed within 10 Km. radius of the plant . · Wildlife Conservation and Management Plan has been prepared for conserv																																																							

ation of schedule – 1 fauna and submitted to PCCF.
 · Subsequently PCCF has approved the conservation plan with a budget of **R s. 17.06 Lakhs to be spent over a period of 5 years.**
 The following are the Scheduled-I fauna present in study area
 1. Indian monitor lizard (*Varanus benglensis*)
 2. Indian peafowl (*Pavo cristatus*)
 3. Sloth bear (*Melursus ursinus*)
 4. Pangolin (*Manis crassicaudata*)
 5. Elephant (*Elephas maximus*)

S.No.	Waste / By Product	Quantity (TPA)			Method of disposal
		Operating plant	Proposed Expansion	After Proposed Expansion	
1.	Ash from DRI	21,600	95,040	1,16,640	Is being used in existing brick making unit within the premises. Similar practice will be continued after expansion also.
	Dolochar	24,000	1,05,600	1,29,600	Is being utilized in the existing FB C boiler-based power plant. The same practice will be continued after expansion also.
	Kiln Accretion Slag	1,080	4,752	5,832	Is being given to road contractors for road construction & used in existing brick unit and similar practice will be continued after expansion also.
	Wet Scraper Sludge	5,520	24,288	29,808	Is being given to road contractors for road construction & used in existing brick unit and similar practice will be continued after expansion also.
	SMS Slag	12,350	33,000	45,350	Slag from SMS will be crushed and iron will be recovered & then remaining non-magnetic material being inert by nature will be given to road contractors for road laying and will also be utilized in brick manufacturing unit.
6.	Mill Scales	948	4,356	5,304	Will be used in proposed Ferro Alloy plant captive
	End cuttings	1,896	8,712	10,608	Will be reused in SMS.
	Ash from Power Plant	19,692	1,73,250	1,92,942	Is being given used in brick manufacturing unit and similar pattern

S.No.	Waste / By Product	Quantity (TPA)			Method of disposal
		Operating plant	Proposed Expansion	After Proposed Expansion	
	(Indian Coal + Dolomitic)				will be continued after expansion also.
9.	Slag from Fe Mn	---	70,686	70,686	Will be reused in manufacture of SiMn as it contains high SiO ₂ and Silicon.
10.	Slag from FeSi	---	2,356	2,356	Will be given to Cast iron foundries
11.	Slag from SiMn	---	72,072	72,072	will be used for Road construction / will be given to slag cement manufacturing
12.	Slag from FeCr	---	65,142	65,142	Will be processed in Jigging plant for Chrome recovery. After Chrome recovery, the left-over slag will be analysed for Chrome content through TCLP test, if the Chrome content in the slag is within the permissible limits, then it will be utilised for Road laying /brick manufacturing. If Chrome content exceeds the permissible limits, it will be sent to nearest TSDF.
13.	Slag from Pig Iron	---	80,388	80,388	Will be given to slag cement manufacturing units
14.	Coal rejects	---	1,50,000	1,50,000	Will be used in existing and proposed FBC boilers as fuel.
15.	Dust from Bag filters of SEAF & during tapping	---	10,000	10,000	Will be used in Briquetting Plant and briquets made will be reused in Ferro Alloys process.

Note: Solid waste utilisation will be in accordance with SWM rules January 2026.

Hazardous waste Generation:

Details of advertisement given	Initially PH has been scheduled for 06-07-2022 and the same has been cancelled by the District Administration. The same has been published in newspapers on 06-07-2022. Subsequently fresh advt. has been given in the following dates - 14.10.2022 ("Navbharat" & "Jankarm" - Hindi Newspaper) & 14.10.2022 ("Financial Express" - English Newspaper)

Date of Public Consultation	02.11.2022
Venue	Near Banjari Mata Temple, Taraimal Village, Gharghoda Tehsil, Raigarh District, Chhattisgarh.
Presiding Officer	Additional District Magistrate
Major issues raised	· Environmental Pollution · Road repairing (Tamnar road) · Why second time PH date is given within 15 days · Why PH is not conducted within 45 days of submission of EIA report · Land diversion is not completed · PH venue is very far from the project site · Ground water permission has not been obtained · Paper advertisement for PH · Need of PHC in the area · Baseline data collected before issue of TOR · EIA report should be in local language · Employment to local people · Elephant corridor is present within study area
Public opinion in %age	Total no. of people participated in public hearing : 804 nos. No. of people in favour of the project : 796 nos. (99 %) No. of people against the project : 8 nos. (1 %)

Action Plan as per OM dated 30.09.2020

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)				
A). Based on Need Based & SIA Study						
1	Community & Infrastructure Development Programmes					
	Solar street light to be provided in the villages	Physical Nos. & village	10 no. in Barpali (V) and 10 no. in Saraipali (V)	10 no. in Bagbura (V) and 10 no. in Gerwani (V)	10 no. in Gaurmudi (V) and 10 no. in Jamadberri (V)	120
		Budget in Lakhs	40	40	40	
	Construction of Community Hall	Physical Nos. & village	---	---	1 no. in Saraipali (V)	30
		Budget in Lakhs	---	---	30	

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
					Sub Total	
					Sub Total	150
2	Education					
	Providing Support kits for schools	Physical Nos. & village	10 nos. in Jamadbera (v) & 10 Nos. in Barpali (v)	10 nos. in Gaurmudi (v) & 10 Nos. in Saraipali (v)	10 nos. in Gerwani (v) & 10 Nos. in Bagbura (v)	15
		Budget in Lakhs	5	5	5	
	Construction of classrooms in schools of size 8m x 5m x 3m	Physical Nos. & village	2 nos. of room in Barpali (v)	2 nos. of rooms in Saraipali (v)	2 nos. of rooms in Bagbura (v)	30
		Budget Rs in Lakhs	10	10	10	
	Providing Model Anganwadi Centre in consultation with State Women and Child Development Department	Physical Nos. & village	Saraipali (v) - 1 No.	Barpali (v) - 1 No.	Jamadbera (v) - 1 No. & Bagbura (v) - 1 No.	40
		Budget Rs in Lakhs	10	10	20	
	Providing furniture, computers, library, sports equipment etc. for nearby local schools of @ Rs. 10.0 Lakhs per school	Physical Nos. & village	Barpali (v) - 1 No.	Saraipali (v) - 1 No.	Bagbura (v) - 1 No.	30
		Budget Rs. in Lakhs	10	10	10	
					Sub Total	115
3	Overhead tanks in villages	Physical Nos. & village	1 nos. in Jamadbera (v)	1 nos. in Barpali (v)	1 nos. in Bagbura (v)	45

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
		Budget in Lakhs	15	15	15	
4	Support State Govt. for development of Swami Atmanand Schools / Existing School	Physical No s. & village	Saraipali (V) & Barpali (V)	Harradih (V) & Gadgaon (V)	Raigarh	30
		Budget in Lakhs	10	10	10	
5	Construction of public toilets	Physical No s. & village	2 nos. in Barpali (v) & 2 nos. in Gaurmudi (v)	2 nos. in Saraipali (v) & 2 Nos. in Bagbura (v)	2 no. in Gerwani (v) & 2 Nos. in Jamadberi (v)	30
		Budget in Lakhs	10	10	10	
6	Construction of covered drains and providing water taps are appropriate places	Physical No s. & village	Barpali (V) and Saraipali (V)	Bagbura (V) and Gerwani (V)	Gaurmudi (V) and Jamadberi (V)	141
		Budget in Lakhs	47	47	47	
7	RWH pits in the surrounding villages & De-siltation of ponds	Physical No s. & village	2 nos. in Govt Primary School, Barpali Village 2 nos. in Panchayat Office 2 nos. in Govt. Middle School, Saraipali	---	Increase of 1.0 m depth in storage due to De-siltation of pond in Pali Village	20
		Budget in Lakhs	6	--	14	
			153	147	231	531

S.NO.	MAJOR ACTIVITY HEADS	YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
	TOTAL (A)				
B). Based on Public Consultation/Hearing					
1.	Impart training to the local villagers for skill development: DISHA Centre" along with necessary infrastructure for various vocational training program for employment generation in association with National Skill Development Mission (Automobile Repair, Welding, Electrical, Computer Hardware, Soft skills like computer programs etc.)	Physical No s. & village	One DISHA centre		
		Budget in Lakhs	100	100	100
					300
2.	Plantation in nearby villages	Physical No s. & village	Saraipali (v) 2000 no.s	Barpali (v) 2000 no.s	Gaurmuri (v) 2000 no.s
		Budget in Lakhs	10	10	10
					30
3.	Relaying of village road	Physical No s. & village	500 m road from Tamnar Village to Plant Site	600 m road from Saraipali Village to Plant Site	---
		Budget in L	30	35	---
					65

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPE NDITURE (Rs. in Lakhs)
		akhs				
4.	Providing o f Primary H ealth Cente r with ambu lance	Physical No s. & village	---	Saraipail (V)	---	100
		Budget in L akhs	---	100	---	
5.	Water sprin kling on the connecting road	Physical No s. & village	Saraipali (V), Barpali (V), Gerwani (V)			24
		Budget in L akhs	8	8	8	
	Total (B)		148	253	118	519
	Grand Total (A+B)		302	400	348	1050
- Recurring expenditures under CSR as per companies Act 2014 (this is not part of SID) - Health checkup will be carried out periodically in surrounding villages i.e. Delari, Pali, Chiraipani, Shivpuri villages @ Rs 5.0 Lakhs every year						

S.No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / A nnum (Rs.in Lakhs)
1.	Air Emission Management		
	Electro Static Precipitators (ESP) - DRI Kilns	18.00	5.00
	Electro Static Precipitators (ESP) - Power Plants	15.00	2.00
	Fume Extraction system with PTFE Bag filters - (Induction Furnaces, Ferro Alloys, Coal Washery)	19.00	2.20
	Other APCS & Conveyor systems	3.00	0.45
	Stacks	4.50	0.225
	Mechanical Dust sweepers	0.60	0.03

S.No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / Annum (Rs.in Lakhs)
	Water Sprinklers	0.30	0.005
2.	Wastewater Management		
	Upgradation of existing ETP	0.50	0.1
	STP	0.80	0.16
	Garland drains	0.30	0.03
	Settling ponds	0.03	0.003
3.	Solid waste Management		
	Fly Ash Handling & disposal	3.50	0.6
	Slag Handling & Disposal	0.20	0.05
	Hazardous waste storage & disposal	0.10	0.05
	Municipal solid waste storage & disposal	0.05	0.025
4.	Greenbelt development, Land scaping	1.00	0.53
5.	Noise Management	0.20	0.1
6.	RWH & Drainage system within the premises	1.10	0.002
7.	Fire Safety Systems	3.50	0.25
8.	Environmental Monitoring		
	CEMS	0.70	0.01
	CAAQMS	1.60	0
	Environment Monitoring	---	0.1018

S.No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / Annum (Rs.in Lakhs)
	Performance monitoring of APCS	---	0.01
9.	Occupational Health & Safety		
	Renovation of existing Occupational Health Centre	0.30	0.075
	Personal Protective Equipment's (PPEs)	0.15	0.15
		74.45	12.1568

Certified compliance report from Regional Office

Conditions	Non-Compliance raised by IRO	Reply to NC
Non- Compliance # 1 wr.t. Specific Condition No ii	Details are not made available regarding connectivity of the CAAQMS and CEMS data with the server of the SPCB.	We hereby confirm that we have installed CAAQMS & CEMS to the stacks connected and integrated the same with the servers of CPCB & CECB. The details of login credentials are furnished in the ATR submitted vide letter dated 30 th April 2026.
Non- Compliance # 2 wr.t. General Condition No. xv	Details regarding the intimation of date of financial closure and final approval of the project by the concerned authorities and the date of commencement of land development work has not been intimated to the Regional Office as well as the Ministry.	We have inadvertently missed to inform the Regional Office of Ministry, MoEF&CC, New Delhi regarding the Financial closure, Land development commencement. We sincerely apologize for the same and we will take care of the same in future.

S.No.	O.M. dated	O.M. pertaining to	Compliance by Shree Rupanadham Steel Pvt. Ltd.
1	14-10-2014	Registration of land /Consent from the Land owner for entire land	Complied Total land envisaged for the project including expansion is 32.890 Ha. [Existing plant land – 11.141 Ha. & Proposed Additional land – 21.749 Ha.] Out of Total land 32.890 Ha., 20.926 Ha. is registered in the name of the company and remaining land of 11.964 Ha. is in the name of sister concern company & Directors for which long term lease deed has been executed.
2	----	Presence of streams/Nalas	Complied

S.No.	O.M. dated	O.M. pertaining to	Compliance by Shree Rupanadham Steel Pvt. Ltd.
		within the site	No streams / Nallah passing through the project site
3	08-06-2022	Validity of Baseline data for 3 years	Complied 15 th October 2021 to 15 th January 2022 and further fresh baseline data has been collected from 15 th October 2024 to 15 th January 2025 as earlier baseline data was 3 years old.
4	08-06-2022	CCR validity is 1 year from the date of inspection by MOEF&CC/SPCB	Complied Date of inspection: 03-03-2026
5	08-06-2022	PH validity for 3 years	Complied PH held on 02.11.2022 (Final EIA Submitted on 27.05.2025 which is within 3 years)
S.No	Chapter -3 Clause -9	Compliance	
1.	Restrictions on establishing an industrial plant based on technological and scientific developments to protect sensitive areas like national parks, sanctuaries, wetlands, and archaeological monuments.	Complied There are no National Parks, Sanctuaries, wetlands and archeological monuments within 10 Km. radius of the plant site • Movement of elephant observed within 10 Km. radius of the project site. • Wildlife Conservation and Management Plan has been prepared for conservation of schedule - 1 species and submitted to PCCF. • Subsequently PCCF has approved the conservation plan with a budget of Rs. 17.06 Lakhs to be spent over a period of 5 years.	
2.	Industrial plant must comply with criteria set by Central Government, State Government, or Union Territory Administration	Complied There are no specific criteria set by Chhattisgarh state govt for establishment of industrial plants.	
3.	While establishing an industrial plant, the following minimum distance shall be maintained:		
3(a)	From the nearest boundary of surface water body (flood plain/HFL/Red line) as per revenue records in case of industrial plant of:		
3(a)(i)	Red category: Beyond 500 meters.	NA	
3(a)(ii)(A)	Orange category (with effluent generation)	---	

	n): Beyond 75 meters.	
3(a)(ii)(B)	Orange category (without effluent generation): Beyond 30 meters.	---
3(a)(iii)	Green category: Beyond 30 meters.	---
3(b)	From settlements, educational institutes, worship places, archaeological monuments, national parks, reserve forests, heritage sites, in case of industrial plant of:	
3(b)(i)	Red category: Beyond 500 meters.	Settlement
		Barpali Village - 0.5 kms.
		educational institutes
		Nil
		worship places
		Nil
		archaeological monuments
		Nil
		national parks
		Nil
		reserve forests
		Nil (Nearest RF – Taraimal RF at 0.6 Kms.)
		heritage sites
		Nil
3(b)(ii)	Orange category: Beyond 200 meters.	---
3(b)(iii)	Green category: Beyond 100 meters	---
3(c)	The State Board shall ensure compliance with all applicable laws, rules, regulations, and notifications	---
3(d)	Natural or storm drains passing through the industrial plant location shall not be disturbed.	---

Deliberations by the Committee (EAC during 30th -31st October, 2025)

- i. The Committee deliberated on the issue related to the Certified Compliance Report (CCR) submitted by the Project Proponent. It was noted that the PP had initially approached the Integrated Regional Office (IRO), MoEF&CC, Raipur, for the issuance of the CCR and that the IRO conducted a site inspection and issued the report on 21st July, 2022, identifying certain non-compliances. The PP subsequently submitted an Action Taken Report (ATR) on 11th April, 2023. Subsequently, for consideration of the instant proposal, PP directly approached the Chhattisgarh Environment Conservation Board (CECB) for issuance of a CCR. The Committee noted that instead of seeking a fresh CCR from the IRO as per the provisions of the Ministry's Office Memorandum dated 8th June, 2022, which also stipulates that the CCR remains valid for one year from the date of inspection, the PP without approaching RO MoEFCC, directly approached CECB.
- ii. The EAC observed that this approach was not in line with the prescribed procedure under the said OM, which mandates that the PP should have re-approached the IRO, MoEF&CC, for a fresh CCR before applying for EC. Only if the RO, MoEFCC had not issued the CCR within a period of three months

could the PP have approached the State Pollution Control Board for a CCR. Accordingly, the EAC advised the Project Proponent to follow the due process outlined in the OM dated 8th June, 2022, by obtaining a fresh CCR from the IRO, MoEF&CC.

- iii. The EAC advised PP/ Consultant to represent the case again with revised proposal presentation. The EAC agreed to the request of PP/ Consultant and allowed them to reappear after the revision of the application incorporating the desired information

Recommendations of the Committee (EAC during 30th -31st October, 2025)

S.No.	ADS point	Reply
1.	The Committee deliberated on the issue related to the Certified Compliance Report (CCR) submitted by the Project Proponent. It was noted that the PP had initially approached the Integrated Regional Office (IRO), MoEF&CC, Raipur, for the issuance of the CCR and that the IRO conducted a site inspection and issued the report on 21 st July, 2022, identifying certain non-compliances. The PP subsequently submitted an Action Taken Report (ATR) on 11th April, 2023. Subsequently, for consideration of the instant proposal, PP directly approached the Chhattisgarh Environment Conservation Board (CECB) for issuance of a CCR. The Committee noted that instead of seeking a fresh CCR from the IRO as per the provisions of the Ministry's Office Memorandum dated 8th June, 2022, which also stipulates that the CCR remains valid for one year from the date of inspection, the PP without approaching RO MoEF&CC, directly approached CECB.	PP submitted letter to Sub-Office, MoEF&CC, Raipur for issuance of Certified Compliance Report (CCR) vide our letter dated 25-12-2025. Subsequently Scientist 'E' inspected the plant for monitoring on 03-03-2026 . Accordingly, CCR has been issued by Sub-Office of MoEF&CC, Raipur vide letter no F.No. 5-24/2011(Env)/165 dated 23 rd April 2026.
2.	The EAC observed that this approach was not in line with the prescribed procedure under the said OM, which mandates that the PP should have re-approached the IRO, MoEF&CC, for a fresh CCR before applying for EC. Only if the RO, MoEF&CC had not issued the CCR within a period of three months could the PP have approached the State Pollution Control Board for a CCR. Accordingly, the EAC advised the Project Proponent to follow the due process outlined in the OM dated 8th June, 2022, by obtaining a fresh CCR from the IRO, MoEF&CC.	PP submitted letter to Sub-Office, MoEF&CC, Raipur for issuance of Certified Compliance Report (CCR) vide our letter dated 25-12-2025. Subsequently Scientist 'E' inspected the plant for monitoring on 03-03-2026 . Accordingly, CCR has been issued by Sub-Office of MoEF&CC, Raipur vide letter no F.No. 5-24/2011(Env)/165 dated 23 rd April 2026. As per the CCR issued there are 2 nos. of Non-Compliances and accordingly PP has submitted Action Taken Report (ATR) in the Sub-Office, MoEF&CC, Raipur vide dated 30 th April 2026. The following are the Non-Compliances as per CCR. Non- Compliance # 1: (Specific Condition No i) Details are not made available regarding connectivity of the CAAQMS and CEMS data with the server of the SPCB. Reply to NC #1: We do hereby confirm that we have installed CAAQMS & CEMS to the stacks co

S.No.	ADS point	Reply
		nnected and integrated the same with the server s of CPCB & CECB. The details of login credentials are furnished in the ATR submitted vide letter dated 30th April 2026. Non- Compliance # 2: (General Condition No. xv) Details regarding the intimation of date of financial closure and final approval of the project by the concerned authorities and the date of commencement of land development work has not been intimated to the Regional Office as well as the Ministry. Reply to NC # 2: We inadvertently missed to inform the Regional Office of Ministry, MoEF&CC, New Delhi regarding the Financial closure, Land development commencement. We sincerely apologize for the same and we will take care of the same in future.
3.	The EAC advised PP / Consultant to represent the case again with revised proposal presentation. The EAC agreed to the request of PP/ Consultant and allowed them to reappear after the revision of the application incorporating the desired information	Revised presentation is shown during meeting.

3.3.3. Deliberations by the committee in previous meetings

Date of EAC 1 :30/10/2025

Deliberations of EAC 1 :

- i. The Committee deliberated on the issue related to the Certified Compliance Report (CCR) submitted by the Project Proponent. It was noted that the PP had initially approached the Integrated Regional Office (IRO), MoEF&CC, Raipur, for the issuance of the CCR and that the IRO conducted a site inspection and issued the report on 21st July, 2022, identifying certain non-compliances. The PP subsequently submitted an Action Taken Report (ATR) on 11th April, 2023. Subsequently, for consideration of the instant proposal, PP directly approached the Chhattisgarh Environment Conservation Board (CECB) for issuance of a CCR. The Committee noted that instead of seeking a fresh CCR from the IRO as per the provisions of the Ministry's Office Memorandum dated 8th June, 2022, which also stipulates that the CCR remains valid for one year from the date of inspection, the PP without approaching RO MoEFCC, directly approached CECB.
- ii. The EAC observed that this approach was not in line with the prescribed procedure under the said OM, which mandates that the PP should have re-approached the IRO, MoEF&CC, for a fresh CCR before applying for EC. Only if the RO, MoEFCC had not issued the CCR within a period of three months could the PP have approached the State Pollution Control Board for a CCR. Accordingly, the EAC advised the Project Proponent to follow the due process outlined in the OM dated 8th June, 2022, by obtaining a fresh CCR from the IRO, MoEF&CC.
- iii. The EAC advised PP/ Consultant to represent the case again with revised proposal presentation. The EAC agreed to the request of PP/ Consultant and allowed them to reappear after the revision of the application incorporating the desired information

Recommendations of the Committee

3.3.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

1. The instant proposal is for expansion of Steel Plant – DRI Kilns (Sponge Iron from 1,20,000 TPA to 6,48,000 TPA), Induction Furnaces along with CCM & LRF (Hot Billets / Billets / Ingots from 1,23,500 TPA to 4,53,000 TPA), Rolling Mills (TMT bars / Structural Steel / Wire Rod Mill with HB Wire cooled Roll & Strip Mill with Pipe Mill) (85% Hot charging with Hot Billets and remaining 15% through RHF with LDO as fuel from 94,800 TPA to 5,30,400 TPA), WHRB based Power Plant from 8 MW to 44 MW, FBC based Power Plant from 4 MW to 54 MW, Brick Manufacturing unit from 80,000 Brick /day to 1,50,000 Bricks/ day, New 2 x 9 MVA & 4 x 6 MVA Ferro Alloys (FeSi – 38900 TPA or FeMn-1,40,000 TPA or SiMn-80,000 TPA or FeCr-83,500 TPA or Pig Iron-1,40,000 TPA), New Briquetting Unit (1000 Kg/hr.) & New Coal washery unit (6,00,000 TPA).
2. The existing project was initially accorded Consent to establish vide D.No.153/RO/TS/CECB/2008 Raigarh Dt. 16.05.2008 for MS Ingots (33,500 TPA) and TMT Bar (4,800 TPA). Thereafter, EC was granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 29/03/2011 for expansion including Sponge Iron (90,000 TPA), MS Billets (33,500 TPA to 1,23,500 TPA), TMT Bars/Structural Steels/Wire Rod Mill (4,800 TPA to 94,800 TPA), along with WHRB Power Plant (6.0 MW) and FBC Power Plant (12 MW). Further, Extension of EC validity (upto 28/03/2021 for unimplemented units) and Amendment in EC (Break up FBC Power Plant from 1 x 12 MW to 1 x 4 MW & 1 x 8 MW) was granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 09/07/2018. PP further obtained No Increase in Pollution Load” certificate under section 7(ii)c vide letter no. 6172/TS/CECB/2020 dt. 13/10/2020 for additional 30,000 TPA Sponge Iron production capacity. CTE (under NIPL) obtained vide letter no. 6313/TS/HO/CECB/2020 dated 19/10/2020 for Additional Sponge Iron capacity of 30,000 TPA (Kiln #4), along with WHRB (2 MW) and Brick Plant (80,000 bricks/day). The latest CTO granted vide letter no. 11977/TS/CECB/2025 Naya Raipur dt. 19/03/2025 for Sponge Iron 120000 TPA, MS Billets / Ingots – 1,23,500 TPA, Rolling Mill (Hot Charging) – 94,800 TPA, WHRB Power Plant – 6.0 MW, FBC Power Plant – 4.0 MW.
3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is a brownfield proposal. The ToR was granted on 24.11.2021 i.e. prior to issuance of GSR 85(E). The EAC apprised the proposal taking into consideration the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The total land envisaged for the project, including expansion, is 32.890 Ha, comprising 11.141 Ha of existing plant land and 21.749 Ha of proposed additional land. Out of the total land, 20.926 Ha is registered in the name of the company, while the remaining 11.964 Ha is in the name of a sister concern company and its Director, for which a 99-year long-term lease deed has been executed.

9. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that the nearest habitation is Barpali village, located at a distance of about 0.50 km in the north-west direction from the project site, along with other environmental features present within the study area. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.
10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned
11. The Committee noted the presence of several Reserved Forests within the study area, including Urdana RF (~1.20 km, S), Taraimal RF (~0.60 km, N), Rabo RF (~0.68 km, SW), Samaruma RF (~6.00 km, NNE), Barkachhar PF (~8.80 km, E), Khardungari PF (~8.40 km, SEE), Punjipathra PF (~6.00 km, NE) and Pajhar PF (~8.00 km, NE). In view of the proximity of the project to these forest areas, the Committee emphasized that adequate mitigation measures shall be implemented to prevent any adverse impact on the surrounding forest ecosystem.
12. Korapali Nallah is at a distance of 1.5 km in North, Bardeh Jharna Nallah at 1.6 km in West along with other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures.
13. Water requirement in the operating plant is 645 KLD and same being sourced from Ground water source. Water required for the proposed expansion project will be 3170 KLD and same will be sourced from Bardeh Jharna Nallah, passing at distance of 1.6 Kms. from the plant site. Total water requirement after the proposed expansion will be 3815 KLD. A dedicated water pipeline will be laid upto the plant site. MoU has been signed with Govt. of Chhattisgarh. As part of MoU water allocation is assured for the project. The EAC opined that the PP shall secure the required approval from the appropriate authority. Further the pipeline shall be laid in a time bound manner with all the requisite permissions from the competent authority.
14. It is reported that Schedule-I species are present within the study area, including Indian monitor lizard (*Varanus bengalensis*), Indian peafowl (*Pavo cristatus*), Sloth bear (*Melursus ursinus*), Pangolin (*Manis crassicaudata*) and Elephant (*Elephas maximus*). The Committee further noted that movement of elephants has been observed within a 10 km radius of the project site. In this regard, the Project Proponent has prepared a Wildlife Conservation and Management Plan for conservation of Schedule-I fauna. Subsequently, the PCCF has approved the Conservation Plan with a budgetary provision of Rs. 17.06 lakhs to be implemented over a period of five years. The EAC opined that the recommendations of the approved plan shall be ensured to be strictly implemented in coordination with the State Forest Department.
15. The Committee deliberated on the public hearing issues, and the socio-economic Development plan, with allocation of Rs. 10.5 crores for implementation of the commitments made during Public Hearing and found it satisfactory.
16. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
17. The PP reported that total greenbelt area of 10.93 Ha (27.0 acres), inclusive of existing plantation, shall be developed within the plant premises. At present, about 8,120 plants have already been established. The total plantation after expansion will be about 27,300 plants, with additional plantation of 19,180 plants to be completed in a phased manner over a period of three years (7,000 plants in first year, 6,000 plants in second year, and 6,180 plants in third year). The EAC deliberated on the greenbelt

action plan and is of the opinion that greenbelt shall be developed within 33% of total project area, as committed, within a period of 2 years and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.

18. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
19. The Committee deliberated on the Certified Compliance Report (CCR) issued by the Sub-Office, MoEF&CC, Raipur vide letter dated 23.04.2026, based on site inspection carried out on 03.03.2026. The Committee noted that two non-compliances were observed in the CCR, pertaining to integration of CAAQMS/CEMS data with CPCB/SPCB servers and non-submission of information regarding financial closure and commencement of land development work to the Ministry and Regional Office. The Committee further noted that the Project Proponent has submitted the Action Taken Report (ATR) addressing the observations, wherein it has been reported that CAAQMS and CEMS have been installed and integrated with CPCB and CECB servers, and requisite details regarding financial closure and project implementation have been furnished. After detailed deliberation, the Committee observed that the issues raised are procedural in nature and have been addressed by the Project Proponent; however, the Project Proponent shall ensure strict compliance of all Environmental Clearance conditions and submission of required information to Regional Office of MoEF&CC in a timely manner.
20. The EAC deliberated on the ADS reply of the project proponent and found it satisfactory.
21. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
22. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
23. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
24. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

3.3.5. Recommendation of EAC

Recommended

3.3.6. Details of Environment Conditions

3.3.6.1. Specific

Specific	
1.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

2.	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
3.	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
4.	It is reported that the nearest habitation is Barpali village, located at a distance of about 0.50 km in the north-west direction from the project site, along with other environmental features present within the study area. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
5.	Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
6.	There are several Reserved Forests within the study area, including Urdana RF (~1.20 km, S), Taraimal RF (~0.60 km, N), Rabo RF (~0.68 km, SW), Samaruma RF (~6.00 km, NNE), Barkachhar PF (~8.80 km, E), Khardungari PF (~8.40 km, SEE), Punjipathra PF (~6.00 km, NE) and Pajhar PF (~8.00 km, NE). In view of the proximity of the project to these forest areas, adequate mitigation measures shall be implemented to prevent any adverse impact on the surrounding forest ecosystem.
7.	Korapali Nallah is at a distance of 1.5 km in North, Bardeh Jharna Nallah at 1.6 km in West along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
8.	Water requirement in the operating plant is 645 KLD and same being sourced from Ground water source. Water required for the proposed expansion project will be 3170 KLD and same will be sourced from Bardeh Jharna Nallah, passing at distance of 1.6 Kms. from the plant site. Total water requirement after the proposed expansion will be 3815 KLD. PP shall secure the required approval from the appropriate authority. Further the pipeline shall be laid in a time bound manner with all the requisite permissions from the competent authority.
9.	Green Belt shall be developed and maintained in the 10.93 ha area (33% of total project area), as committed and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop the greenbelt within a period of 2 years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
10.	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on Merilife portal at (https://merilife.nic.in).
11.	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project

	as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 10.5 crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
1 2.	PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LIFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
1 3.	The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
1 4.	PP shall Install CO sensors with alarms at strategic locations in the Plant.
1 5.	PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
1 6.	PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
1 7.	The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
1 8.	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1 9.	PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
2 0.	PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.

2 1.	Project Proponent shall ensure strict compliance of all Environmental Clearance conditions and submission of required information to the Regional Office of MoEF&CC in a timely manner.

3.3.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Statutory compliance	
1.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
2.	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
Air Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
3.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
6.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover

	them with tarpaulin.
9.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
10.	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
11.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
12.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
13.	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
14.	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
15.	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
16.	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
17.	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
18.	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
Air Quality Monitoring and Preservation in case of Ferro Alloy Plants	
1.	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
2.	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
3.	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
4.	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m ³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants. (in case of Silico

	Manganese and Ferro Silicon alloy steel)
5.	Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
6.	The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
7.	The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.
8.	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
9.	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
10.	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
11.	Low NO _x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.
Water Quality Monitoring and Preservation	
1.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.	Water meters shall be provided at the inlet to all unit processes in the plants.
5.	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
6.	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
7.	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust

	suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
8.	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
Water Quality Monitoring and Preservation in case of Rolling Mills	
1.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
2.	The effluent discharge (workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
3.	Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
4.	The rejects/ middling should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run off from reject dumping sites.
5.	An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
6.	Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
7.	Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board
8.	No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m ³ /tonne of raw coal.
9.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
10.	The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government
11.	Air Cooled condensers shall be used in the captive power plant.
Noise Monitoring and Prevention	
1.	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules,

	2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
2.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
3.	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.
Energy Conservation Measures	
1.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
2.	Restrict Gas flaring to < 1%.
3.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
4.	Provide LED lights in their offices and residential areas.
Energy Conservation Measures in case of Reheating Furnace	
1.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2.	Practice hot charging of slabs and billets/blooms as far as possible.
3.	Ensure installation of regenerative type burners on all reheating furnaces
Energy Conservation Measures in case of DRI Kilns (Sponge Iron)	
1.	The project proponent shall provide waste heat recovery system on the DRI Kilns.
2.	The dolochar generated shall be used for power generation.
3.	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
4.	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
Waste Management	
1.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
2.	Kitchen waste shall be composted or converted to biogas for further use.
3.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4.	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State

	Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
5.	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
6.	Solid waste utilization: a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. b. PP shall recycle/reuse solid waste generated in the plant as far as possible. c. Used refractories shall be recycled as far as possible.
Waste Management in case of Sinter Plant	
1.	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
2.	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
3.	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
4.	Rejects/Middlings from coal washery shall only be used either in the captive power plant (or) in the Thermal Power Plants or any other industry meeting emission standards.
Green Belt	
1.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
2.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
3.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
Public Hearing and Human Health Issues	
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.

3.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
Environment Management	
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
2.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.
Miscellaneous	
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
6.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at

	environment clearance portal.
7.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
8.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
9.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10.	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
11.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
13.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
17.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3.4. Agenda Item No 4:

3.4.1. Details of the proposal

Expansion of Bank Note Paper Mill (from 16000 TPA to 28000 TPA) located at Note Mudran Nagar, Metagalli, Mysore- 570003, State-Karnataka by M/s Bank Note Paper Mill India Pvt Ltd. by BANK NOTE PAPER MILL INDIA PRIVATE LIMITED located at MYSURU, KARNATAKA	
Proposal For	Fresh ToR

Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/KA/IND1/574024/2026	J-11011/239/2010-IA-II(I)	07/05/2026	Pulp & Paper Industry Integrated Pulp & Paper manufacturing from virgin material (5(i))

3.4.2. Project Salient Features

[Proposal no.: IA/KA/IND1/574024/2026; File No. IA-J-11011/239/2010-IA-II (I)] [Consultant: Eco Chem Sales & Services; Valid upto: 03.03.2030]		
S. No.	EDS Point	EDS Reply
1.	Required Document (Wildlife and Forest related documents) not uploaded by project proponent. -The 2011 EC mentions a specific condition to obtain NBWL clearance. PP may upload the same for further consideration of the proposal.	NBWL clearance is not applicable to the proposed expansion as the unit is situated within the notified industrial area of the Karnataka Industrial Area Development Board (KIADB) and lies outside the Eco-Sensitive Zone (ESZ) boundary of the Ranganathittu Bird Sanctuary. The existing project site is located approximately 6 km from the ESZ boundary and about 7 km from the sanctuary. The same has been authenticated by the Office of the Chief Conservator of Forests, Mysuru Circle vide letter No. C 1/Bhumi/R.B.I/GL-297/10-11 dated 03.04.2014. same uploaded on parivesh portal respective tab. The proposed expansion will be undertaken adjacent to the existing plant within Mysore Mudran Nagar, which is located in the notified industrial estate.
2.	Deficiency in application form (Clarity on Area) -PP may submit specific details of existing area and proposed area, in different colors, on kml file. Further, the overall area mentioned in the form and covered through the kml file are not matching. The same may be reviewed and resubmitted.	In revised kml file existing area polygon marked in red color having area 36.216 acre (14656 0.95 m²) and proposed area polygons marked in green color having area 10.612 acre (4294 6.05 m²). Total area will be 46.828 Acre (1895 07.00 m²). Revised kml is uploaded on parivesh portal respective tab.
3.	Required Document not uploaded by project proponent (Land-related documents) -PP may provide the status of ownership of land proposed to be added in instant expansion phase.	Project is Located under Jurisdiction of KIADB (Belagola Industrial Area). KIADB had allotted land to Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL) in which BRBNMPL has leased out the land parcels required for BNPM. BRBNMPL is one of the parent company of BNPM.
S. No.	EDS Point	EDS Reply
1.	Upon examination of the submitted KML file,	2.4-acre portion of the proposed site currently

S. No.	EDS Point	EDS Reply																																													
	it has been observed that approximately 2.4 acres of the proposed expansion area (marked in green colour) overlaps with the existing project area (marked in red colour). In view of this discrepancy, the PP may kindly furnish a clarification along with revised authenticated KML/land boundary details, if applicable.	houses a CISF Barrack (Bachelor Accommodation) and a high-security Armory. These structures existed prior to formation of BNPMIPL and were originally retained by BRBNMPL during the initial land transfer as they were essential for CISF operations. However, as this land is now required for the proposed project expansion, specifically for establishing paper machine and pulping plants, BRBNMPL has agreed to hand over this land and relocate the facilities nearby. Construction of the new CISF Barrack and Armory has already been commenced in different location and is expected to be completed shortly." Once the new building is ready, the existing Barrack and armoury building shall be demolished to construct the new buildings for machines.																																													
	<table border="1"> <thead> <tr> <th>Corner</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr><td></td><td>12°21'45.32" N</td><td>76°38'36.95" E</td></tr> <tr><td></td><td>12°21'48.22" N</td><td>76°38'37.63" E</td></tr> <tr><td></td><td>12°21'43.78" N</td><td>76°38'46.06" E</td></tr> <tr><td></td><td>12°21'43.82" N</td><td>76°38'47.40" E</td></tr> <tr><td></td><td>12°21'40.44" N</td><td>76°38'51.36" E</td></tr> <tr><td></td><td>12°21'40.42" N</td><td>76°38'51.63" E</td></tr> <tr><td></td><td>12°21'39.23" N</td><td>76°38'52.58" E</td></tr> <tr><td></td><td>12°21'34.91" N</td><td>76°38'53.81" E</td></tr> <tr><td></td><td>12°21'34.00" N</td><td>76°38'49.30" E</td></tr> <tr><td></td><td>12°21'33.04" N</td><td>76°38'49.03" E</td></tr> <tr><td></td><td>12°21'30.42" N</td><td>76°38'50.00" E</td></tr> <tr><td></td><td>12°21'31.00" N</td><td>76°38'36.79" E</td></tr> <tr><td></td><td>12°21'33.94" N</td><td>76°38'36.13" E</td></tr> <tr><td></td><td>12°21'34.11" N</td><td>76°38'38.21" E</td></tr> </tbody> </table>	Corner	Latitude	Longitude		12°21'45.32" N	76°38'36.95" E		12°21'48.22" N	76°38'37.63" E		12°21'43.78" N	76°38'46.06" E		12°21'43.82" N	76°38'47.40" E		12°21'40.44" N	76°38'51.36" E		12°21'40.42" N	76°38'51.63" E		12°21'39.23" N	76°38'52.58" E		12°21'34.91" N	76°38'53.81" E		12°21'34.00" N	76°38'49.30" E		12°21'33.04" N	76°38'49.03" E		12°21'30.42" N	76°38'50.00" E		12°21'31.00" N	76°38'36.79" E		12°21'33.94" N	76°38'36.13" E		12°21'34.11" N	76°38'38.21" E	
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		Chamundi Reserve Forest – 9.48 km in SSE																														
S. No.	Facilities	Units	As per EC dated	Implementation Status	Production as per CTO																											
1.	Currency note paper	1	29 th April 2011	12000 TPA	12000 TPA																											
2	Currency note paper	1	1 st May 201	12000 + 4000 TPA	12000 + 4000																											

	r / bank note paper		8	= 16000 TPA	TPA = 16000 TPA		
Sl. No.	Plant Equipment / Facility	Existing facilities as per EC dated 29 th April, 2011 & 1 st May 2018		Proposed Units	Final (Existing + Proposed)		
1	Currency note paper / bank note paper	16000 TPA		12000 TPA	28000 TPA		
S. No.	Raw Material	Quantity required per annum			Source	Distance from site (Kms)	Mode of Transportation
		Existing	Expansion	Total			
1.	Cotton comb	47.5 TPD	37.5 TPD	85 TPD	From Cotton Spinning mills	1000 km	Bags in Trucks
2.	Cotton Linters	2.5 TPD	2.5 TPD	5 TPD	From Linter manufacturing units	1000 km	Bags in Trucks
Attributes		Parameters	Sampling		Remarks		
			No. of Stations	Frequency			
		Temperature, Wind Speed, Relative Humidity, Solar Radiation	01 Location	Throughout Study Period	--		
		PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ CO	08 Location	Twice in a Week	--		
		Day Equivalent Night Equivalent	13 Locations	Once during Baseline Monitoring Period	--		
Surface Water Quality Parameters		Physical, Chemical and Bacteriological Parameters	8 Locations	Once during Baseline Monitoring Period	--		
Ground Water Quality Parameters		Physical, Chemical and Bacteriological	9 Locations	Once during Baseline Monitoring Period	--		

Attributes	Parameters	Sampling		Remarks
		No. of Stations	Frequency	
	Parameters			
	Water Holding Capacity, Texture, Porosity, SAR, CEC, pH, Ca, Mg, Na, K, Zn, Mn etc.	8 Locations	Once during Baseline Monitoring Period	--
	LU map of the Study Area	Study Area	--	--
	--	--	--	--
	--	Within Study Area	Once during Baseline Monitoring Period	--
	--	Villages within Study Area	Once during Baseline Monitoring Period	--
S.No.	Particular	OM applicability		Compliance Status
1.	Status of land acquisition	- Office Memorandum dated 07.10.2014 having F. No. 22-76/2014-IA-III. - Office Memorandum dated 29.03.2022 having F. No. IA3-22/10/2022-IA.III [E 177258].		Complied. Project is Located under Jurisdiction of KIADB (Belagola Industrial Area). KIADB had allotted land to Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL) in which BRBNMPL has leased out the land parcels required for BNPM. BRBNMPL is one of the parent company of BNPM. Land lease document of existing 36.216 acre dated 15.11.2017 and proposed 1 0.612 acre dated 26.02.2026 is submitted.
2.	Water connection	Office Memorandum dated 29.03.2022 having F. No. IA3-22/10/2022-IA.III [E 177258]		Complied. Total Fresh water 2401 KLD after expansion will be met through Cauvery river. BNPM is having an renewal agreement with KUWS&DB (Karnataka Urban Water Supply & Drainage Board) dated 02.04.2025 for supply of water required for the mill.

S.No.	Particular	OM applicability	Compliance Status
3.	Presence of stream/ nallah within site	--	Complied. Stream/ nallah presence is not there from site.
4.	Validity of baseline data		Complied. Proposal is for the grant of ToR. Baseline period considered for this project is 15th Dec 2025 to 15th Mar 2026 which is valid till 15 th march 2029.

Written submission by the PP:

"In the submitted KML file, the total land area within the red colour boundary is 38.6 acres. However, out of this, an area of 2.4 acres is presently occupied by existing CISF Barrack and high-security Armoury units of BRBNMPL and therefore was not handed over to BNPMIPL during implementation of the existing project. Accordingly, the effective existing project area is 36.2 acres.

The aforesaid 2.4-acre land parcel is not part of the existing project area. However, during the proposed expansion, BRBNMPL has proposed to relocate the existing CISF Barrack and Armoury units to another location. Upon such relocation, the said 2.4-acre area is already allotted to BNPMIPL for the proposed expansion project.

Further, the proposed expansion area shown in green colour in the KML file is 10.6 acres, which includes the above-mentioned 2.4-acre land parcel. Accordingly, the total project area after proposed expansion will be 46.8 acres. "

3.4.3. Deliberations by the committee in previous meetings

N/A

3.4.4. Deliberations by the EAC in current meetings

Deliberation by the Committee

- The instant proposal is for expansion of Bank Note Paper Mill through increment in production of Bank Note Paper from 16000 TPA to 28000 TPA.
- The existing project was accorded environmental clearance for manufacturing of 12000 TPA Bank Note vide F.no. J-11011/239/2010-IA-II (I) dated 29th April, 2011. After that unit has obtained expansion through Environmental Clearance granted on 1st May 2018 for expansion of Bank Note Paper from 12000 TPA to 16000 TPA. Unit has a valid Consent for Operation from State Pollution Control Board, vide order no AW-331281 dated 16.05.2022 which is valid up to 30.06.2026.
- The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- PP reported that the total land area is 18.9507 ha comprising 14.6561 ha of existing land and an additional 4.2946 ha, all falling under KIADB industrial land. The project site is located within the jurisdiction of KIADB (Belagola Industrial Area), wherein the land has been allotted to Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL). The required land parcels have been leased to the Project Proponent, and BRBNMPL, being one of the parent entities, facilitates the land allocation for the proposed development. The EAC opined that PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Mysuru is at 4.5 km along with other

sensitive receptors within the study area of the project site. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.

- vi. Varuna Canal is at a distance of 0.04 km in East of the project site. The EAC opined that PP shall obtain the NOC from the WRD and submit the same with the EIA/EMP report. There are several other water bodies within the study area of the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vii. Ranganathittu Bird Sanctuary is reported at 7 km from the Project Site. The EAC opined that PP shall submit the distance certificate along with authenticated map from the State Forest Department. The certificate shall also carry the geograohical coordinates of the project site.
- viii. The water requirement for the proposed expansion project is estimated as 5556 m³/day, out of which 2401 m³/day of fresh water requirement will be obtained from the Karnataka Urban Water Supply & Drainage Board and the remaining requirement of 3155 m³/day will be met from the treated water (RO Permeate). The EAC opined that PP shall secure necessary permission from the Competent Authority.
- ix. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.
- x. The EAC deliberated on the written submission of the project proponent and found it satisfactory.

Recommendations of the Committee

3.4.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.4.6. Details of Terms of Reference

3.4.6.1. Specific

Specific	
1.	PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
2.	Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
3.	PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
4.	Varuna Canal is at a distance of 0.04 km in East of the project site. PP shall obtain the NOC from the WRD and submit the same with the EIA/EMP report.
5.	There are several water bodies within the study area of the project site. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off

	calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
6.	The water requirement for the proposed expansion project is estimated as 5556 m ³ /day, out of which 2401 m ³ /day of fresh water requirement will be obtained from the Karnataka Urban Water Supply & Drainage Board and the remaining requirement of 3155 m ³ /day will be met from the treated water (RO Permeate). PP shall secure necessary permission from the Competent Authority.
7.	Ranganathittu Bird Sanctuary is reported at 7 km from the Project Site. PP shall submit the distance certificate along with authenticated map from the State Forest Department. The certificate shall also carry the geograohical coordinates of the project site
8.	Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
9.	The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
10.	Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
11.	The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
12.	Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
13.	Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
14.	The “make-up” water required during the operation be reported, without any ambiguity.
15.	The maximum amount of solar power that can be generated within the premises of the Plant must be reported.

1 6.	An action plan must be drawn up and implemented for maximum harvesting of rain water.
1 7.	The "input" parameters used in the AAQ modelling, and the "inversion height" and "mixing height" be reported, without any ambiguity.
1 8.	PP shall present the "Social & Environment Cost Benefit " analysis in the EIA report and EC appraisal.
1 9.	Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
2 0.	PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
2 1.	PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

3.4.6.2. Standard

5(i)	Pulp & Paper Industry
Preliminary requirements	
1.	EIA/EMP report cover page shall consists of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.
2.	Besides, following points shall be compiled as per QCI/NABET norms: a. Disclaimer by the EIA consultant. b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person. c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report. d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC. e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.
Executive Summary	
1.	Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
2.	Point wise compliance to the ToR issued by MoEF&CC.
3.	Name of the project along with applicable schedule and category as per EIA, 2006.
4.	Location and accessibility
5.	Resource requirements (Land; water; fuel; manpower)
6.	Operational activity

7.	Key pollution concerns
8.	Ambient air quality
9.	Ambient Noise quality
10.	Traffic study
11.	Surface water quality
12.	Ground water quality
13.	Soil quality
14.	Biological Environment
15.	Land use
16.	Socio-economic environment
17.	Impact on ambient air quality
18.	Impact on ambient noise quality
19.	Impact on road and traffic
20.	Impact on surface water resource and quality
21.	Impact on ground water resource and quality
22.	Impact on terrestrial and aquatic habitat
23.	Impact on socio-economic environment
24.	null
25.	Ambient air, noise, water and soil quality

2 6.	Noise quality management plan
2 7.	Emission and discharge from the plant
2 8.	Green Belt
2 9.	Social Parameters
3 0.	Risk assessment
3 1.	Public consultation
3 2.	Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020
3 3.	null
3 4.	Air quality management plan
3 5.	Noise quality management plan
3 6.	Solid and hazardous waste management plan
3 7.	Effluent management plan
3 8.	Storm water management plan
3 9.	Occupational health and safety management plan
4 0.	Green belt development plan
4 1.	Socio-economic management plan
4 2.	Project cost and EMP implementation budget.
Introduction	

1.	Background about the project
2.	Need of the project
3.	Purpose of the EIA study
4.	Scope of the EIA study
Project description	
1.	Location of the project site covering village, Taluka/Tehsil, District and State.
2.	Site accessibility
3.	A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
4.	Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.
5.	Environment settings of the site and its surrounding along with map.
6.	A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
7.	In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
8.	In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
9.	In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off calculations, disposal etc. A robust and full proof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
10.	Type of land, land use of the project site needs to be submitted.
11.	Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
12.	Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and

	proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
1 3.	Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with calculations mentioning about GW recharge along with relevant drawing.
1 4.	A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
1 5.	Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.
1 6.	Status of Forest Clearance for the use of forest land shall be submitted.
1 7.	Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
1 8.	The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
1 9.	Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.
2 0.	Products with capacities in Tons per Annum for the proposed project.
2 1.	If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
2 2.	Site preparatory activities.
2 3.	List of raw materials required and their source along with mode of transportation.
2 4.	Other than raw materials, other chemicals and materials required with quantities and storage capacities.
2 5.	Manufacturing process details along with process flow diagram of proposed units.
2 6.	Consolidated materials and energy balance for the project.
2 7.	Total requirement of surface/ ground water and power with their respective sources, status of approval.

2 8.	Water balance diagram
2 9.	Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
3 0.	Man-power requirement.
3 1.	Cost of project and scheduled time of completion.
3 2.	In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
3 3.	Brief on present status of compliance (Expansion/modernization proposals) a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. b. Cumulative Impact Assessment need to be carried out by greenfield projects considering the nearby industries. c. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. d. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection. e. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.

Description of the Environment

1.	Study period			
2.	Approach and methodology for data collection as furnished below			
	Attributes	Sampling		Remarks
		Network	Frequency	
	Air Environment			
	Micro-Meteorological - Wind speed (Hourly) - Wind direction - Dry bulb temperature - Wet bulb temperature	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 - Site specific primary data is essential - Secondary data

• Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate			from IMD, New Delhi • CPCB guidelines to be considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the

			EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per CPCB norms	
Water			
Parameters for water quality • pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity • Total nitrogen, total phosphorus, DO, BOD, COD, Phenol • Heavy metals • Total coliforms, faecal coliforms • Phyto plankton • Zoo plankton	Samples for water quality should be collected and analyzed as per: • IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents • Standard methods for examination of water and wastewater analysis published by American Public Health Association		
For River Bodies • Total Carbon • pH • Dissolved Oxygen • Biological Oxygen Demand • Free NH4 • Boron • Sodium Absorption Ratio • Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	• Yield of water sources to be measured during critical season • Standard methodology for collection of surface water (BIS standards)	
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.		
Traffic Study			
Type of vehicles • Frequency of vehicles for transportation of materials • Additional traffic due to	Land Environment		

proposed project	
Soil • Particle size distribution • Texture • pH • Electrical conductivity • Cation exchange capacity • Alkali metals • Sodium Absorption Ratio (SAR) • Permeability • Water holding capacity • Porosity	Soil samples be collected as per BIS specifications
Land use/Landscape • Location code • Total project area • Topography • Drainage (natural) • Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries • Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest	• Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.

produce,medicinal value ● Importance value index (IVI) of trees ● Fauna ● Avi fauna ● Rare and endangered species ● Sanctuaries / National park / Biosphere reserve ● Migratory routes			
socio-economic			
Demographic structure ● Infrastructure resource base ● Economic resource base ● Health status:Morbidity pattern ● Cultural and aesthetic attributes. ● Education	Socio-economic survey is based on proportionate, stratified and random sampling method. ● Primary data collection through questionnaire ● Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies		
Approach and methodology for data collection as furnished below			
Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological ● Wind speed (Hourly) ● Wind direction ● Dry bulb temperature ● Wet bulb temperature ● Relative humidity ● Rainfall ● Solar radiation ● Cloud cover ● Environmental ● Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 ● Site specific primary data is essential ● Secondary data from IMD, New Delhi ● CPCB guidelines to be considered.
Pollutants ● PM10 ● SO2 ● NOx ● CO	At least 8-12 locations	As per National Ambient Air Quality Standards,CPCB Notification.	● Sampling as per CPCB guidelines ● Collection of AAQ data (except in monsoon season)

- HC
- Other parameters relevant to the project and topography of the area

- Locations of various stations for different parameters should be related to the characteristic properties of the parameters.
- The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests,
- Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

Noise

Hourly equivalent noise levels

At least 8-12 locations

s per CPCB norms

Water

Parameters for water quality

- pH, temp, turbidity,

Samples for water quality should be collected and analyzed as per:

magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity • Total nitrogen, total phosphorus, DO, BOD, COD, Phenol • Heavy metals • Total coliforms, faecal coliforms • Phyto plankton • Zoo plankton	• IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents • Standard methods for examination of water and wastewater analysis published by American Public Health Association	
For River Bodies • Total Carbon • pH • Dissolved Oxygen • Biological Demand • Free NH4 • Boron • Sodium Absorption Ratio • ElectricalConductivity	Oxygen Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	• Yield of water sources to be measured during critical season • Standard methodology for collection of surface water (BIS standards)
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.	
Traffic Study		
Type of vehicles • Frequency of vehicles for transportation of materials • Additional traffic due to proposed project	Land Environment	
Soil • Particle size distribution • Texture • pH • Electrical conductivity • Cation exchange capacity • Alkali metals • Sodium Absorption Ratio (SAR • Permeability	Soil samples be collected as per BIS specifications	

Water holding capacity • Porosity	
Land use/Landscape • Location code • Total project area • Topography • Drainage (natural) Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes	• Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.
socio-economic	

	Demographic structure • Infrastructure resource base • Economic resource base • Health status:Morbidity pattern • Cultural and aesthetic attributes. • Education Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies												
3.	Interpretation of each environment attribute shall be enumerated and summarized as given below: • Ambient air quality • Ambient Noise quality • Surface water quality • Ground water quality • Soil quality • Biological Environment • Land use • Socio-economic environment												
4.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.												
Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)													
1.	Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components <table><tr><th>Activity</th><th>Environment</th><th>Ecological</th><th>Socio-economic</th></tr><tr><td>Construction phase</td><td></td><td></td><td></td></tr><tr><td>Operation phase</td><td></td><td></td><td></td></tr></table>	Activity	Environment	Ecological	Socio-economic	Construction phase				Operation phase			
Activity	Environment	Ecological	Socio-economic										
Construction phase													
Operation phase													
2.	Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase • Details of stack emissions from the existing as well as proposed activity. • Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period • Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.												
3.	Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
4.	Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
5.	Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
6.	Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase												
7.	Impact on surface water resource and quality (Sources; Embedded control measures; Assessment;												

	Mitigation measures; Residual impact) a. Construction phase b. Operation phase																														
8.	Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase																														
9.	Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase																														
10.	Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase																														
11.	Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase																														
Analysis of Alternatives (Technology & Site)																															
1.	No project scenario																														
2.	Site alternative																														
3.	Technical and social concerns																														
4.	Conclusion																														
Environmental Monitoring Program																															
1.	Details of the Environment Management Cell																														
2.	Performance monitoring schedule for all pollution control devices shall be furnished.																														
3.	Corporate Environment Policy a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA. c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report																														
4.	Action plan for post-project environment monitoring matrix: <table><thead><tr><th>Activity</th><th>Aspect</th><th>Monitoring Parameter</th><th>Location</th><th>Frequency</th><th>Responsibility</th></tr></thead><tbody><tr><td colspan="6">Construction phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="6">Operation phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility	Construction phase												Operation phase											
Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility																										
Construction phase																															
Operation phase																															

Additional Studies							
1.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.						
2.	Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.						
3.	Implementation status/measures adopted for avoiding the generation of single used plastic waste.						
4.	In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be submitted.						
5.	Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).						
6.	As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.						
7.	Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020						
	S.No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
		Name of the Activity	Physical Targets	1st	2nd	3rd	
8.	Risk assessment • Methodology • Hazard identification • Frequency analysis • Consequence analysis • Risk assessment outcome						
9.	Emergency response and preparedness plan						
Project Benefits							

1.	Environment benefits
2.	Social infrastructure
3.	Employment and business opportunity
4.	Other tangible benefits
Environment Cost Benefit Analysis	
1.	Net present value
2.	Internal rate of return
3.	Benefit cost ratio
4.	Cost effectiveness analysis
Environment Management Plan (Construction and Operation phase)	
1.	Air quality management plan
2.	Noise quality management plan
3.	Action plan for hazardous waste management
4.	Action plan for solid waste management
5.	Action plan for e-waste management.
6.	Action plan for plastic waste management, considering the Plastic Waste Management Rules 2016.
7.	Action plan for construction and demolition waste management.
8.	Effluent management plan
9.	Storm water management plan
10.	Rain water harvesting plan
11.	Plan for maximum usage of waste water/treated water in the Unit
12.	Occupational health and safety management plan
13.	Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.

1 4.	Socio-economic management plan
1 5.	Wildlife conservation plan (In case of presence of schedule I species)
1 6.	Total capital cost and recurring cost/annum for environment pollution control measures shall be included.
1 7.	Explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal.
1 8.	An Action Plan for improving the house-keeping activities in the raw material handling area need to be submitted
1 9.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
2 0.	Action plan to limit the dust emission from all the stacks below 30 mg/Nm ³ shall be furnished.
2 1.	Action plan for fugitive emission control in the plant premises shall be provided.
Conclusion of the EIA study	
1.	null
In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received a ny notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Wat er Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	
1.	null
Air cooled condensers shall be used in the power plant.	
1.	null
Details of Dry Ash handling system along with supplementary coal handling system shall be submitted.	
1.	null
Plan for transportation of coal shall be submitted.	
1.	null
Plan along with technical details of SCR shall be submitted.	
1.	null
In case of expansion project, Status of Ash Utilization of previous years (up to 5 years), action plan for 1 00% ash utilization along with timeline need to be submitted	

1.	null
null	
1.	A note on pulp washing system capable of handling wood pulp shall be included.
2.	Manufacturing process details for the existing and proposed plant shall be included. Chapter on Pulping & Bleaching shall include: no black liquor spillage in the area of pulp mill; no use of elemental chlorine for bleaching in mill; installation of hypo preparation plant; no use of potcher washing and use of counter current or horizontal belt washers. Chapter on Chemical Recovery shall include: no spillage of foam in chemical recovery plant, no discharge of foul condensate generated from MEE directly to ETP; control of suspended particulate matter emissions from the stack of fluidized bed recovery boiler and ESP in lime kiln
3.	Studies shall be conducted and a chapter shall be included to show that Soda pulping process can be employed for Eucalyptus/Casuarina to produce low kappa (bleachable) grade of pulp.
4.	Commitment that only elemental Chlorine-free technology will be used for the manufacture of paper and existing plant without chemical recovery plant will be closed within 2 years of issue of environment clearance.
5.	A commitment that no extra chlorine base bleaching chemicals (more than being used now) will be employed and AOx will remain within limits as per CREP for used based mills. Plan for reduction of water consumption.
6.	Undertaking to comply with the norms stipulated in the S.O. 3187 (E) dated 7/10/2016 for the projects located in Ganga basin.
7.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
8.	Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm ³ shall be furnished.
9.	Action plan for 100 % waste utilization shall be submitted.

3.5. Agenda Item No 5:

3.5.1. Details of the proposal

Expansion of existing Pellet Plant from 0.6 MTPA and 5 X 5000 Nm ³ /Hr PGP (4Working+1 Standby) to final capacity of 1.6 MTPA Pellet Plant, 5 X 5000 Nm ³ /Hr PGP (5Working), Iron ore Beneficiation Plant 2 MTPA (Throughput), DRI Plant 0.429 MTPA , CPP 40 MW (2X15MW WHRB,10MW AFBC), IF 0.4125 MTPA, Iron ore crushing & screening Plant 1 MTPA and Fly Ash Brick Plant 0.3 MTPA at Village -Champadihi, Tehsil-Jhumpura, Dist- Keonjhar, State-Odisha by M/s Kashvi International Pvt Ltd. by KASHVI INTERNATIONAL PRIVATE LIMITED located at KENDUJHAR,ODISHA			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)

IA/OR/IND1/570843/2026	IA-J-11011/73/2019-IA-I (IND-I)	24/04/2026	Metallurgical Industries (ferrous and non ferrous) Sponge Iron Manufacturing Industry (3(a))

3.5.2. Project Salient Features

[Proposal no.: IA/OR/IND1/570843/2026; File No. IA-J-11011/73/2019-IA-II (IND-I)]
[Consultant: Visiontek Consultancy Services; Valid upto: 05.12.2028]

3.5.3. Deliberations by the committee in previous meetings

N/A

3.5.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

- i. The Committee deliberated on the proposal for expansion of the project in light of the existing Environmental Clearance granted vide letter dated 12.10.2023 and the subsequent submissions made by the Project Proponent. The Committee noted that the existing project has not yet been commissioned and is presently under construction stage, with no production activity undertaken so far.
- ii. The Committee further noted that at the time of grant of Environmental Clearance dated 12.10.2023, the Project Proponent had indicated that no forest land was involved within the project site. However, as per the revised submissions and verification based on SABIK records, it has now been reported that a portion of the existing project land measuring about 1.416 Ha (3.5 acres) falls under forest land. The Committee observed that this constitutes a material change in the status of land vis-à-vis the earlier EC and requires appropriate examination under the provisions of the Forest (Conservation) Act, 1980.
- iii. The Committee also took note of the submission of the Project Proponent that no construction activity has been undertaken on the identified forest land and that the construction activities are being carried out only on non-forest land as per the Consent to Establish. The Committee further noted that the Project Proponent has applied for diversion of the identified forest land and the proposal for obtaining Forest Clearance is presently under process.
- iv. However, the Committee was of the considered view that the issue pertaining to identification of forest land within the already granted EC area is of substantive nature and requires prior resolution. The Committee observed that continuation of appraisal for expansion, without first addressing the forest land involvement in the existing project area, may lead to regulatory inconsistencies and potential violation of statutory provisions.
- v. The Committee, therefore, emphasized that the Project Proponent shall first obtain the requisite Forest Clearance for the identified forest land falling within the existing EC area and accordingly seek amendment in the existing Environmental Clearance reflecting the correct land status. The Committee also stressed that no construction or project-related activity shall be undertaken on the identified forest land until such time the Forest Clearance is obtained.
- vi. In view of the above, the Committee opined that the proposal for expansion cannot be appraised in the present form and requires resolution of the forest land issue in the existing project area prior to consideration of any further expansion.

Recommendations of the Committee

3.5.5. Recommendation of EAC

Returned in present form

3.6. Agenda Item No 6:

3.6.1. Details of the proposal

Greenfield Steel Project-Nawapara Unit-I/O Pellets(1.2MTPA)+PGP(30000NM3/Hr),Sponge Iron(858000 TPA),Billets(IF)(792000TPA),Billets(EAF)(330000TPA),Rolled Prod (RM)(792000TPA)+PGP(40000 NM3/Hr),Coal Washery(2.25MTPA),SEAF(FeSi-85000TPA/FeMn-240000TPA/SiMn-160000TPA/FeCr-180000TPA/Pig Iron-280000TPA),Briquettes(1000Kg/hr),Jigging(10000TPA),Sinter(132000TPA),AOD 198000TPA(MC FeMn/LC FeMn/MC FeCr/LC FeCr),Argon(19.8Mm3),Oxygen(99Mm3),Nitrogen(297Mm3),Slag Crusher(50TPH),WHRB(100 MW)&CFBC(100MW) by B.S.SPONGE PRIVATE LTD located at RAIGARH,CHHATTISGARH			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/CG/IND1/571407/2026	IA-J-11011/93/2026-IA-II(Ind-I)	06/05/2026	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

3.6.2. Project Salient Features

[Proposal no.: IA/CG/IND1/571407/2026; File No. IA-J-11011/93/2026-IA-II (IND-I)] [Consultant: Pioneer Enviro Consultants Private Limited; Valid upto: 09.09.2029]			
Name of School & Village	Distance	Direction	Mitigation Measures proposed
Primary School Charmar Village	0.65 kms	SW	- The nearest Educational Institutions /school - Greenbelt of width 30 m will be maintained towards the Primary School Charmar Village. 3 rows of plantation will be taken up in the premises of Primary School, Charmar Village. - However winds are predominantly blowing from SW to NE as per IMD, Jharsuguda Annual wind rose
Govt. High School Nawapara(Tenda) Village	1.2 kms	NE	- Greenbelt of width 30 m will be maintained towards the Govt. Middle School, Nawapara Village. 3 rows of plantation will be taken up in the premises of Govt. Middle School, Nawapara Village.
Middle School Bhengari Village	1.4 kms	SE	- Greenbelt of width 20 m will be maintained towards the Govt. Middle School, Bhengari Village. 3 rows of plantation will be taken up in the premises of Govt. Middle School, Bhengari Village.
Primary School Nawap	1.7 kms	NE	Greenbelt of width 30 m will be maintained t

Name of School & Village	Distance	Direction	Mitigation Measures proposed
ara(Tenda) Village			owards the Primary School, Nawapara (Tenda) Village. 3 rows of plantation will be taken up in the premises of Primary School, Nawapara (Tenda) Village.
Primary School Dongabhauna Village	1.9 kms	W	- Greenbelt of width 30 m to 100 m will be maintained towards the Primary School dongabhauna Village. 3 rows of plantation will be taken up in the premises of Primary School, Dongabhauna Village.
Thakurdev Public School Dongabhauna Village	2.0 Kms.	W	- Greenbelt of width 30 m to 100 m will be maintained towards the Thakurdev Public School, Dongabhauna Village. 3 rows of plantation will be taken up in the premises of Thakurdev Public School, Dongabhauna Village.
			Other mitigation measures - All required environmental protection measures such as ESPs (with high efficiency Rigid discharge electrodes with transformer), Bagfilters (PTFE membrane bagfilters), covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³ - Interlocking system will be provided to ESPs and whenever the Particulate emission exceeds the emission norm, the raw material feed to the unit will stop. Consequently, there will be no production in the unit till the ESP is rectified. - Automated Lime dosing will be provided to bring down the SO_x emission to within 100 mg/Nm³. - Low NO_x burners with 3-stage combustion, flue gas recirculation and auto combustion system will be provided to ensure NO_x emission within 100 mg/Nm³. - Ash will be stored in silos only and there will not be any open storage of ash. - Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. - All transport vehicles will be with PUC certification. - Wheel washing facility will be provided at entrance

Name of School & Village	Distance	Direction	Mitigation Measures proposed
			try and exit gates. Zero liquid discharge will be maintained. No wastewater will be discharged outside the plant premises. With the aforementioned measures there will not be any adverse impact on Educational Institutions due to the proposed project.
Name of the Hospitals	Distance	Direction	Mitigation Measures proposed
Primary Health care Centre Nawapara (Tenda) Village	1.4 Kms	NE	- Greenbelt of width 30 m will be maintained towards the Primary Health care Centre Nawapara (Tenda) Village. 3 rows of plantation will be planted inside & outside of Primary Health care Centre, Nawapara (Tenda) Village premises - Project site is well connected to Major District Road and no vehicle movement towards Hospital side. - It is ensured that proper road maintenance will be taken up to minimize dust generation. - All required environmental protection measures such as ESPs (with high efficiency Rigid discharge electrodes with transformer), Bagfilters (PTFE membrane bagfilters), covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³ - Interlocking system will be provided to ESPs and whenever the Particulate emission exceeds the emission norm, the raw material feed to the unit will stop. Consequently, there will be no production in the unit till the ESP is rectified. - Automated Lime dosing will be provided to bring down the SO_x emission to within 100 mg/Nm³. - Low NO_x burners with 3-stage combustion, flue gas recirculation and auto combustion system will be provided to ensure NO_x emission within 100 mg/Nm³. - Use acoustic enclosures for major equipment (compressors, DG sets, blowers). - Restrict high-noise activities during night time. - Maintain buffer distance and plant trees to reduce noise propagation. - Ash will be stored in silos only and there will not be any open storage of ash.

			- Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. - All transport vehicles will be with PUC certification. - Wheel washing facility will be provided at entry and exit gates. - Zero liquid discharge will be maintained. No wastewater will be discharged outside the plant premises
Name of the Habitatio ns / Villages	Distance	Direction	Mitigation Measures proposed
Few Commercial shop s belongs to Charmar Village	0.04 kms	(W).	- Greenbelt of width 30 m to 100 m will be maintained towards the shops belongs to Charmar Village. - Winds are predominantly blowing from SW to NE as per IMD, Jharsuguda Annual wind rose - Out of total 35.37 Ha. of land, 12.15 Ha. i.e. 34 % of land is envisaged for greenbelt.
Charmar Village	0.52 Kms	(SW)	- Greenbelt of width 30 m will be maintained towards the shops of Charmar Village. 1000 nos. of plants will be planted in Charmar Village. - Winds are predominantly blowing from SW to NE as per IMD, Jharsuguda Annual wind rose - Out of total 35.37 Ha. of land, 12.15 Ha. i.e. 34 % of land is envisaged for greenbelt.
Dangninar Village	1.0 kms	(NNW)	- Greenbelt of width 20 m will be maintained towards the Dangninar Village. 1000 no. of plants will be planted in Dangninar Village.
Bansmura Village	1.10kms	(N)	- Greenbelt of width 20 m will be maintained towards the Bansmura Village. 500 no. of plants will be planted in Bansmura Village.
Nawapara(Tenda) Villa ge	1.18 kms	(NE)	- Greenbelt of width 30 m will be maintained towards the Nawapara (Tenda) Village. 500 no. of plants will be planted in Nawapara (Tenda) Village.
Bhengari Village	1.3 kms	(E)	- Greenbelt of width 20 m will be maintained towards the Bhengari Village. 500 no. of plants will be planted in Bhengari Village.
Dongabhauna Village	1.6 kms	(W)	- Greenbelt of width 30 m to 100 m will be maintained towards the Dongabhauna Village. 500 no. of plants will be planted in Dongabha

Name of the Habitations / Villages	Distance	Direction	Mitigation Measures proposed
			una Village.
Lotan Village	2.7 kms	(SW)	- Greenbelt of width 30 m will be maintained to wards the Lotan Village. 500 no. of plants will be planted in Lotan Village
			Other mitigation measures - All required environmental protection measures such as ESPs (with high efficiency Rigid discharge electrodes with transformer), Bagfilters (PTFE membrane bagfilters), covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³ - Interlocking system will be provided to ESPs and whenever the Particulate emission exceeds the emission norm, the raw material feed to the unit will stop. Consequently, there will be no production in the unit till the ESP is rectified. - Automated Lime dosing will be provided to bring down the SOx emission to within 100 mg/Nm³. - Low NOx burners with 3-stage combustion, flue gas recirculation and auto combustion system will be provided to ensure NOx emission within 100 mg/Nm³. - Ash will be stored in silos only and there will not be any open storage of ash. - Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. - All transport vehicles will be with PUC certification. - Wheel washing facility will be provided at entry and exit gates. - Zero liquid discharge will be maintained. No wastewater will be discharged outside the plant premises. With the aforementioned measures there will not be any adverse impact on Habitations / Villages due to the proposed project.
Name of Forests	Distance	Direction	Mitigation Measures proposed
Scrub Forest	0.08 kms	SE	Greenbelt of width 20 m will be maintained to wards the Scrub Forest.

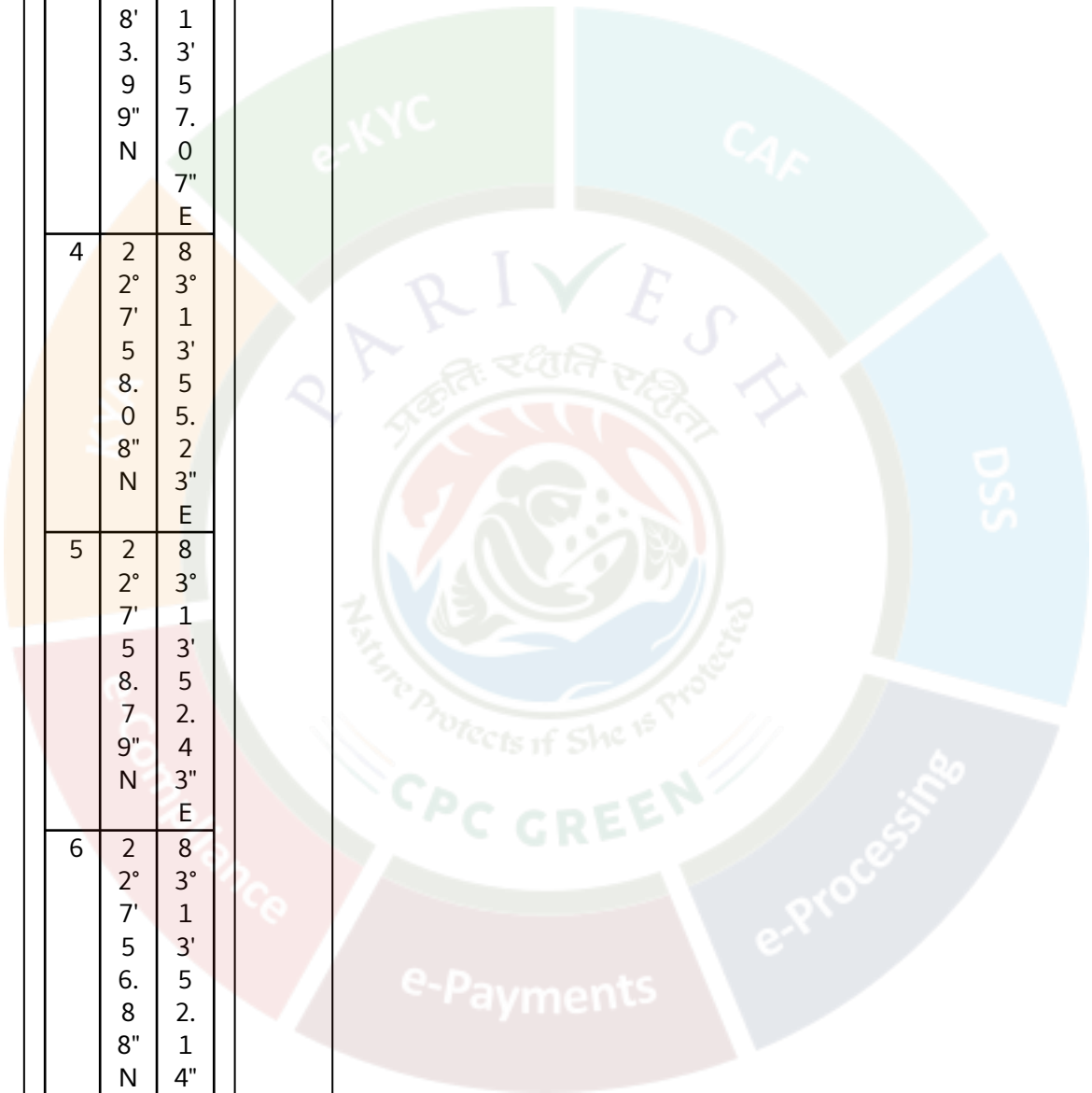
Name of Forests	Distance	Direction	Mitigation Measures proposed
Lamikhair RF	1.4 kms	(NW)	· Greenbelt of width 30 m will be maintained to wards the Lamikhair RF.
Suhai RF	1.6 kms	(SE)	· Greenbelt of width 20 m will be maintained to wards the Suhai RF.
Dhumapahari RF	1.6 kms	(W)	· Greenbelt of width 30 m to 100 m will be main tained towards the Dhumapahari RF.
Bhengari PF	1.2 kms	(S)	· Greenbelt of width 20 m to 30 m will be maint ained towards the Bhengari PF
Chhindpani PF	2.1 km	(E)	· Greenbelt of width 20 m will be maintained to wards the Chhindpani PF
Panikhet PF	2.8 km	(S)	· Greenbelt of width 20 m to 30 m will be maint ained towards the Panikhet PF
Katangdi PF	2.95kms	(NE)	· Greenbelt of width 30 m will be maintained to wards the Katangdi PF
			Other mitigation measures · In order to reduce the impact of light on anima ls, lighting will be used as and when needed with properly shielded outdoor lights, blinds i n the rooms will be closed by evening. · Regarding safety aspects, motion detector ligh t will be provided. · Acoustic enclosures will be provided to STG, D G sets, etc. Thick greenbelt helps to prevent i mpact of noise on fauna. · All required air emission control measures suc h as ESPs (with high efficiency Rigid discharg e electrodes with transformer), Bagfilters, co vered conveyers, dust suppression systems, p ucca internal roads, mechanical dust sweeper s, wheel washing facility, mist cannon sprayer s, etc. will be provided and operated duly ens uring compliance with the particulate emissio n norms of 30 mg/Nm³. · Interlocking system will be provided to ESPs a nd whenever the particulate emission exceeds the emission norm, the raw material feed to t he unit will stop. Consequently, there will be no production in the unit till the ESP is rectifie d. · Ash will be stored in silos only and there will n ot be any open storage of ash. · Net resultant GLCs during operation of the pro ject will be within the National Ambient Air Q uality Standards. · All transport vehicles will be with PUC certifica

Name of Forests	Distance	Direction	Mitigation Measures proposed
			tion. · Wheel washing facility will be provided at entry and exit gates. · Zero Liquid discharge will be maintained Proposed Project · Rain guns will be provided for dust suppression. With the aforementioned measures there will not be any adverse impact on Forests due to the proposed project
Name of Water Bodies	Distance	Direction	Mitigation Measures proposed
Chinni Nala	0.70 kms	(W)	· Greenbelt of width 20 m will be maintained towards the Chinni Nala. · 6ft height Boundary wall will be constructed towards Chinni Nala.
Tenda Nala	1.7 kms	(N)	· Greenbelt of width 20 m will be maintained towards the Tenda Nala. · 6ft height Boundary wall will be constructed towards Chinni Nala.
			Other mitigation measures · Zero Liquid Discharge (ZLD) will be maintained. No wastewater will be discharged outside the plant premises. · Solid waste generated will be utilized / disposed of as per stipulated procedures. · All required environmental protection measures such as 4th Hole Fume Extraction system with PTFE membrane bagfilters, covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³. · Slag will be stored in Covered Shed only and there will not be any open storage of ash. · Garland drains will be constructed around the storage yards to prevent any run off from the storage yards entering into the water bodies. · Effluent will be treated and after ensuring compliance with SPCB norms, it will be utilized for dust suppression, ash conditioning and for greenbelt development. · Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. · All transport vehicles will be with PUC certification. · Wheel washing facility will be provided at entry and exit gates.

Name of Water Bodies		Distance	Direction	Mitigation Measures proposed
				y and exit gates. · No effluent will be released outside the project boundary as the proposal will be implemented with ZLD. · Solid waste generated will be utilized/disposed as per stipulated procedures With the aforementioned measures there will not be any adverse impact on Surface water Bodies due to the proposed project.
		· SH #17 is passing between 2 patches of proposed land area. · Safety measures of the proposed overhead pathway / structure are enclosed at the end.	· Single crop & Unirrigated Agricultural land.	
		Total Land: 35.37 Ha. (87.40 Ac.) Total land is same is registered in the company name. The land is in 2 parcels separated by SH # 17. Parcel -1 : 18.494 Ha &		

		Parcel -2 : 1 6.876 Ha.										
		Nearest habitation: <table border="1"> <thead> <tr> <th>N a m e</th><th>D i s t a n c e</th><th>D i r e c t i o n</th></tr> </thead> <tbody> <tr> <td>Few shops of Charmor (V)</td><td>0.08 Kms</td><td>W</td></tr> <tr> <td>Charmor (V)</td><td>0.52 Kms</td><td>SW</td></tr> </tbody> </table>	N a m e	D i s t a n c e	D i r e c t i o n	Few shops of Charmor (V)	0.08 Kms	W	Charmor (V)	0.52 Kms	SW	
N a m e	D i s t a n c e	D i r e c t i o n										
Few shops of Charmor (V)	0.08 Kms	W										
Charmor (V)	0.52 Kms	SW										
		Latitude and Longitude of the project site: <table border="1"> <thead> <tr> <th>S. N o</th><th>La ti t u d e</th><th>L o n g i t u d e</th></tr> </thead> <tbody> <tr> <td>1</td><td>22° 5.96" N</td><td>88° 31' 35.081" E</td></tr> <tr> <td>2</td><td>2</td><td>8</td></tr> </tbody> </table>	S. N o	La ti t u d e	L o n g i t u d e	1	22° 5.96" N	88° 31' 35.081" E	2	2	8	
S. N o	La ti t u d e	L o n g i t u d e										
1	22° 5.96" N	88° 31' 35.081" E										
2	2	8										

	2° 8' 5. 0 6" N	3° 1 3' 5 0. 7 5" E
3	2 2° 8' 3. 9 9" N	8 3° 1 3' 5 7. 0 7" E
4	2 2° 7' 5 8. 0 8" N	8 3° 1 3' 5 5. 2 3" E
5	2 2° 7' 5 8. 7 9" N	8 3° 1 3' 5 2. 4 3" E
6	2 2° 7' 5 6. 8 8" N	8 3° 1 3' 5 2. 1 4" E
7	2 2° 7' 5 6. 0 5" N	8 3° 1 3' 5 4. 6 2" E
8	2	8



		<table><tr><th>W a t e r B o d y</th><th>D i s t a n c e (K m s.)</th><th>D i r e c t i o n</th></tr><tr><td>N a l a</td><td></td><td></td></tr><tr><td>K e s h N a l a</td><td>2. 4</td><td>S E</td></tr><tr><td>K h a i m u r a N a l a</td><td>6. 4</td><td>E</td></tr><tr><td>K a t a n g a h a r a N a l a</td><td>6. 4</td><td>S W</td></tr><tr><td>S u k h i a N a l a</td><td>6. 9</td><td>S W</td></tr><tr><td>B o j i a N a l a</td><td>6. 6</td><td>S W</td></tr></table>	W a t e r B o d y	D i s t a n c e (K m s.)	D i r e c t i o n	N a l a			K e s h N a l a	2. 4	S E	K h a i m u r a N a l a	6. 4	E	K a t a n g a h a r a N a l a	6. 4	S W	S u k h i a N a l a	6. 9	S W	B o j i a N a l a	6. 6	S W	
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		<u>Study area:</u>	· The re are no																					

F o r e s t s	D i s t a n c e (K m s.)	D i r e c t i o n
U n n a m e d F o r e s t	0.08	S E
Reserved Forests:-		
S u h a i R F	1.6	S E
D h u m a p a h a r i R F	1.6	W
M a r p a h a r R F	3.5	N
L o t a n R F	4.2	S W
B	4.	N

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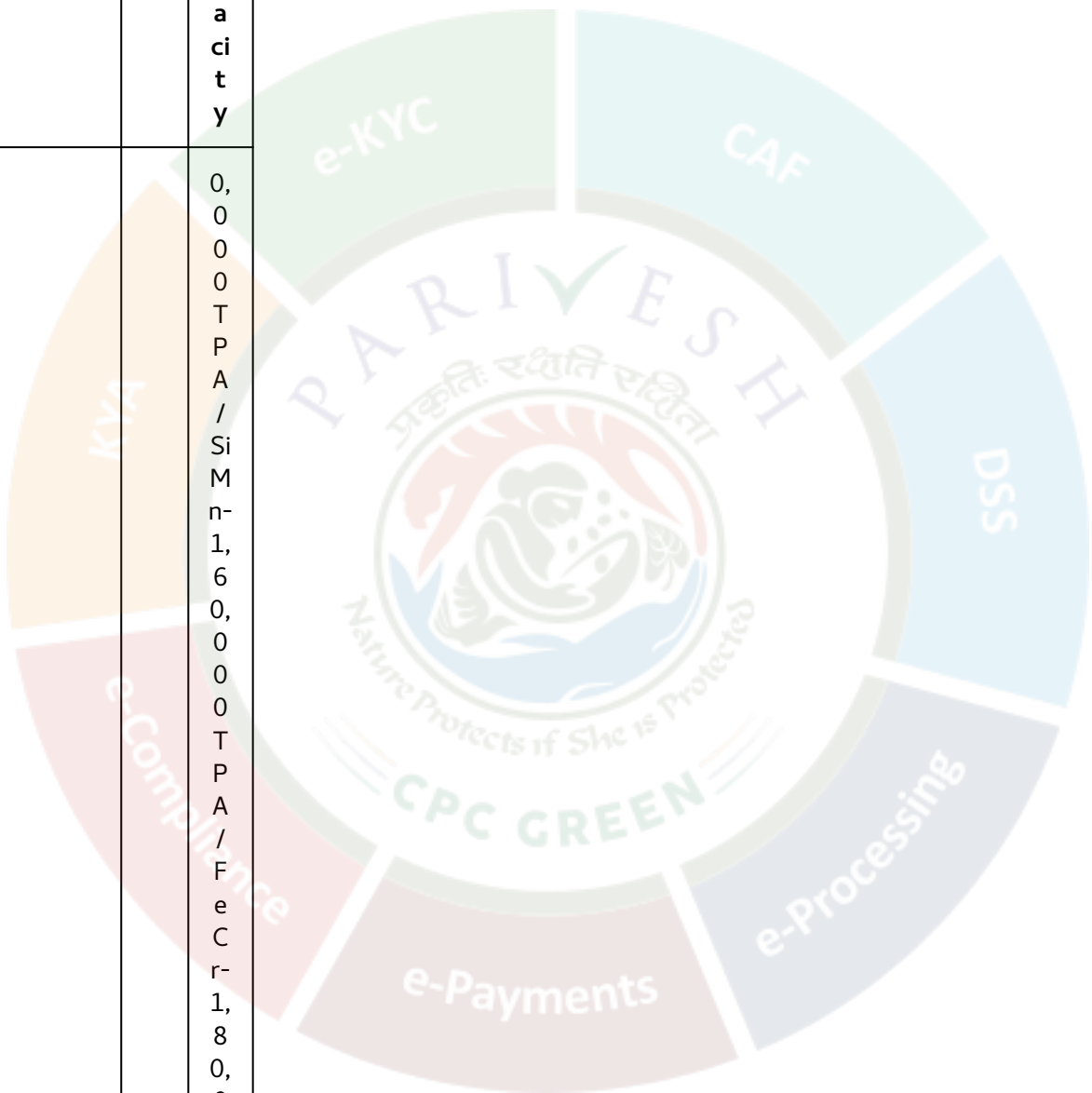
S. N o.	Units (P roduct s)	Pl a nt C o n f i g u r a t i o n	P r o d u c t i o n C a p a c i t y
	Iron Pell et plant (Pellets)	2 x 0.6 M T P A	1 2, 0 0, 0 0 0 T P A
	Coal Ga sifier for Pellet pl ant (Pro ducer ga s)	2 x 1 5, 0 0 0 M ³ / H r	3 0, 0 0 0 M ³ / H r
	DRI Kiln s (Spon ge Iron)	4 x 6 5 0 T P D	8, 5 8, 0 0 0 T P A
	Inductio n Furnac es with matchin g LRF, C CM, AO	8 x 3 0 T	7, 9 2, 0 0 0

S. N o.	Units (P roduct s)	Pl a nt C o n f i g u r a t i o n	P r o d u c t i o n C a p a c i t y
	D (Hot Billets / Billets / Ingots)		T P A
	Electric Arc Furnace (EAF) & BOF	2 x 50 T	3, 30, 000 T P A
	Rolling Mills (TMT /WIRE/STRIP/PLATE/ Structural Steel) (85% Hot charging with Hot Billets and remaining 15% through RHF with Producer gas as fuel)	3x 800 TPD (2400 TPD)	7, 92, 000 T P A
	Coal Gasifier for Reheating furnac	2 x 20,	4 0, 00

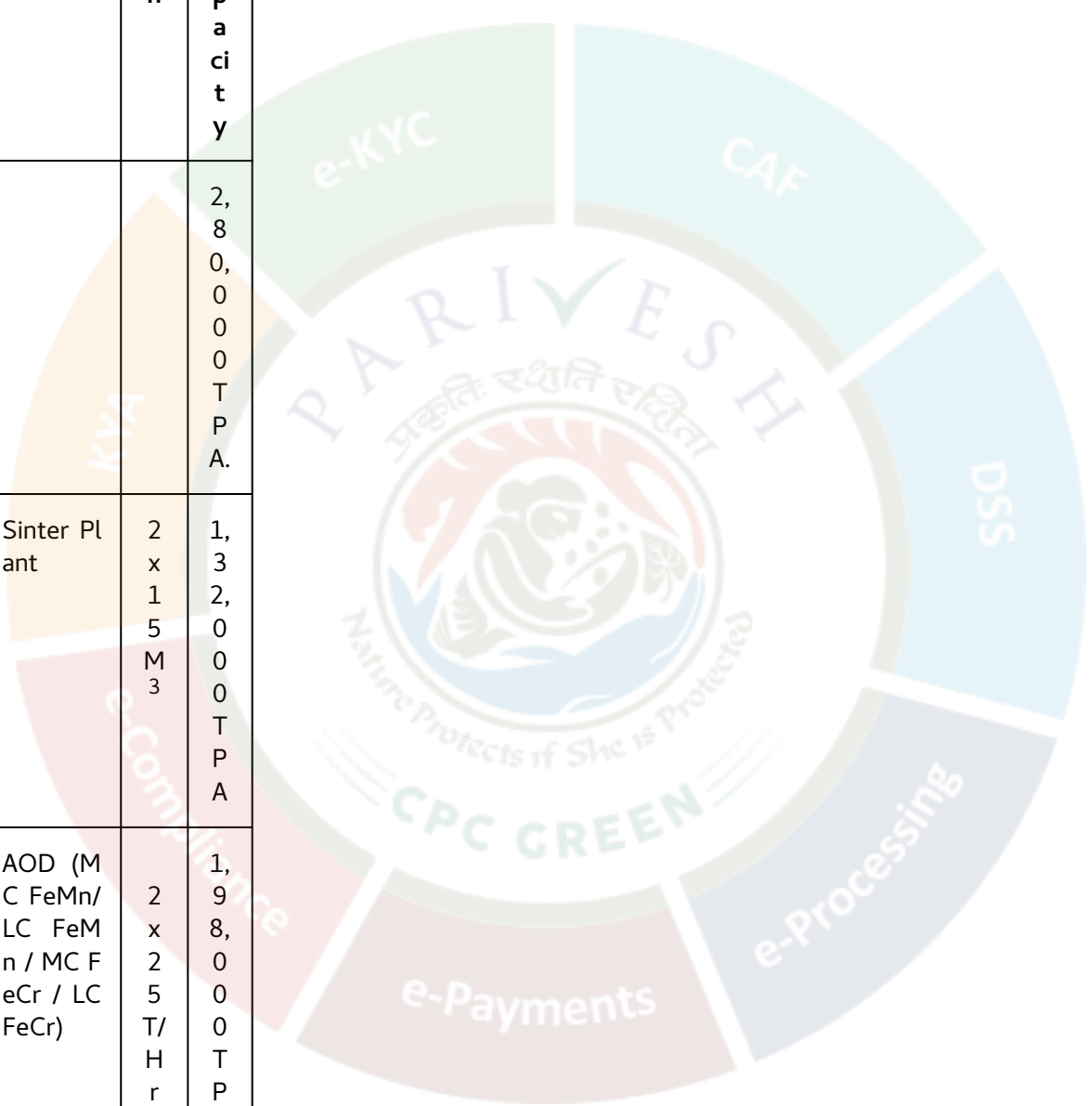
S. No.	Units (Products)	Plant Configuration	Production Capacity
	e (Producer gas)	000NM ³ /Hr	00NM ³ /Hr
	Coal Washery	1x2.25MTA	22,50,000TPA
	Submerged Electric Arc Furnaces (FeSi / FeMn / SiMn / FeCr / Pig Iron)	4x24MVA	Fesi-85,000TPA / FeMn-2,4



S. No.	Units (Products)	Plant Configuration	Production Capacity
			0,000 TPA / Simn-1,60,000 TPA / Fer-1,80,000 TPA / Pig Iron-



S. N o.	Units (P roduct s)	Pl a nt C o n f i g u r a t i o n	P r o d u c t i o n C a p a c i t y
			2, 8 0, 0 0 0 T P A.
	Sinter Pl ant	2 x 1 5 M ³	1, 3 2, 0 0 0 T P A
	AOD (M C FeMn/ LC FeM n / MC F eCr / LC FeCr)	2 x 2 5 T/ H r	1, 9 8, 0 0 0 T P A
	Jigging Plant	2 x 2 0 T P H	1 0, 0 0 0 T P A



S. N o.	Units (P roduct s)	Pl a nt C o n f i g u r a t i o n	P r o d u c t i o n C a p a c i t y
	Briquetti ng plant	4 x 250 K g/ hr	1, 0 0 0 K g/ hr
	Argon Pl ant	6 0, 0 0 0 m ³ / da y	1 9. 8 M m ³
	Oxygen Plant	3, 0 0, 0 0 0 m ³ / da y	9 9 M m ³
	Nitroge n Plant	9, 0 0, 0 0 0 m ³ / da	2 9 7 M m ³

S. N o.	Units (P roduct s)		Pl a nt C o n f i g u r a t i o n	P r o d u c t i o n C a p a c i t y
			y	
	Slag Cru sher		2 x 25 T P H	50 T P H
	Brick Ma n u f a c t u r i n g U n i t		1,00,000 B r i c k s / d a y	1,00,000 B r i c k s / d a y
	Po we r P l a n t (200 M W)	W H R B P o w e r P l a n t	2 x 50 M W	100 M W
		C F	2 x	10

S. N o.	Units (P roduct s)		Pl a nt C o n f i g u r a t i o n	P r o d u c t i o n C a p a c i t y
		B C P o w e r P l a n t	5 0 M W	0 M W

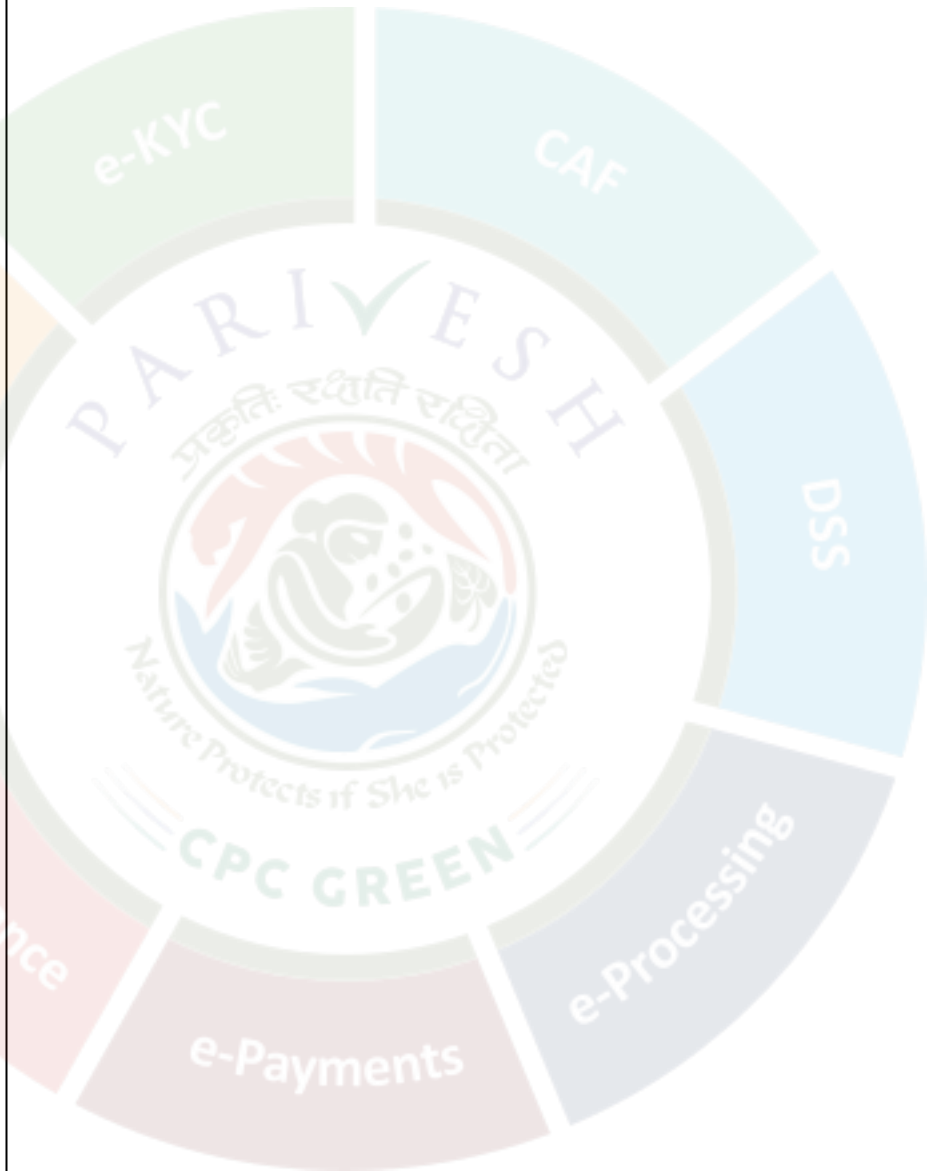
S.No.	Raw Material	Quantity (TPA)	Sources	Distance w.r.t site (inKms.)	Mode of Transport
1	Iron Ore Concentrate	12,00,000	Chhattisgarh/Orissa	~ 600	By rail & road (covered trucks)
2	Bentonite	9,600	Gujarat	~ 600	By rail & road (covered trucks)
3	Lime Stone	77,600	Chhattisgarh	~ 100	By road (covered trucks)
4	Anthracite Coal	42,000	SECL Chhattisgarh / MCL Odisha	~ 500	By rail & road (covered trucks)
5	Indian coal	29,99,400	SECL Chhattisgarh / MCL Odisha	~ 500	By rail & road (covered trucks)
6	Imported Coal	12,27,416	Imported	~ 600	Through vessel, rail & by road (Covered trucks)
7	Pellets	12,26,940	Own Generation	---	Through covered conveyers

S.No.	Raw Material	Quantity (TPA)	Sources	Distance w.r.t site (inKms.)	Mode of Transport
8	Iron Ore	16,79,400	Odisha & Chhattisgarh	~ 500	By rail & road (covered trucks)
9	Dolomite	1,01,900	Chhattisgarh	~ 150	By road (covered trucks)
10	Sponge Iron	11,30,000	Own generation	---	Through covered conveyers
11	MS Scrap / Pig Iron	1,42,000	Own generation & Purchased from outside	~ 100	By road (covered trucks)
12	Ferro alloys	57,000	Own generation	---	By road (covered trucks)
13	Hot Billets / Billets	7,00,128	Own generation	---	----
14	Billets (for RHF)	1,30,680	Own generation	---	----
15	Raw Coal	33,75,000	SECL Chhattisgarh / MCL Odisha	~ 500	By rail & road (covered trucks)
16	Quartz	1,87,000	Chhattisgarh / A.P.	~ 500	By road (covered trucks)
17	Mill scales & MS Scrap	3,82,500	In house Generation	---	By road (covered trucks)
18	Char coal/Coke	1,31,750	A.P. / Jharkhand	~ 500	By road (covered trucks)
19	Electrode paste	8,500	Maharashtra / West Bengal	~ 300	By road (covered trucks)
20	Briquetted Bagfilter dust	5,950	Own generation	---	---
21	Manganese Ore	5,76,000	MOIL / OMC	~ 500	By Rail & Road (covered trucks)
22	Chrome Ore	4,32,000	Sukinda, Odisha	~ 500	By road (covered trucks)
23	Bauxite	27,000	Chhattisgarh / Maharashtra	~ 500	By road (covered trucks)

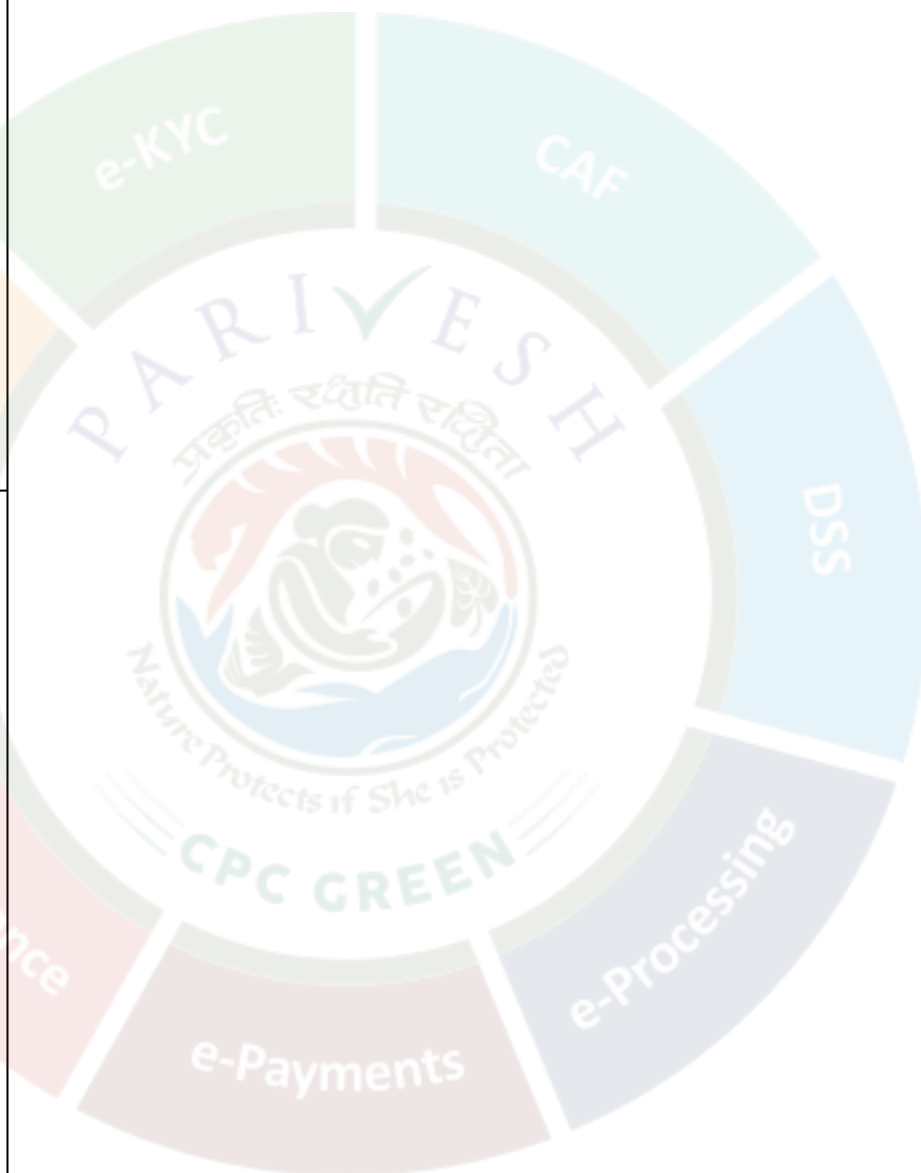
[illegible]

S.No.	O.M. dated	O.M. pertaining to	Compliance by the Industry
2	----	Presence of streams/Nalas within the site	Complied No Streams/Nalas passing through the Plant site.
3	08-06-2022	Validity of Baseline data for 3 years	NOT APPLICABLE As Proposal submitted for Grant of TOR However Baseline data period is from 1 st March 2026 to 31 st May 2026 We will ensure submission of Final EIA within the TOR validity period.
4	08-06-2022	CCR validity is 1 year from the date of inspection by MOEF&CC/SPCB	NOT APPLICABLE As it is Greenfield project
5	08-06-2022	PH validity for 3 years	NOT APPLICABLE PH is yet to be conducted (Proposal submitted for Grant of TOR)
S. No	Chapter -3 Clause -9	Compliance	
1.	Restrictions on establishing an industrial plant based on technological and scientific developments to protect sensitive areas like national parks, sanctuaries, wetlands, and archaeological m	Complied There are no National Parks, Sanctuaries, wetlands and archaeological monuments within 10 Km. radius of the plant site.	

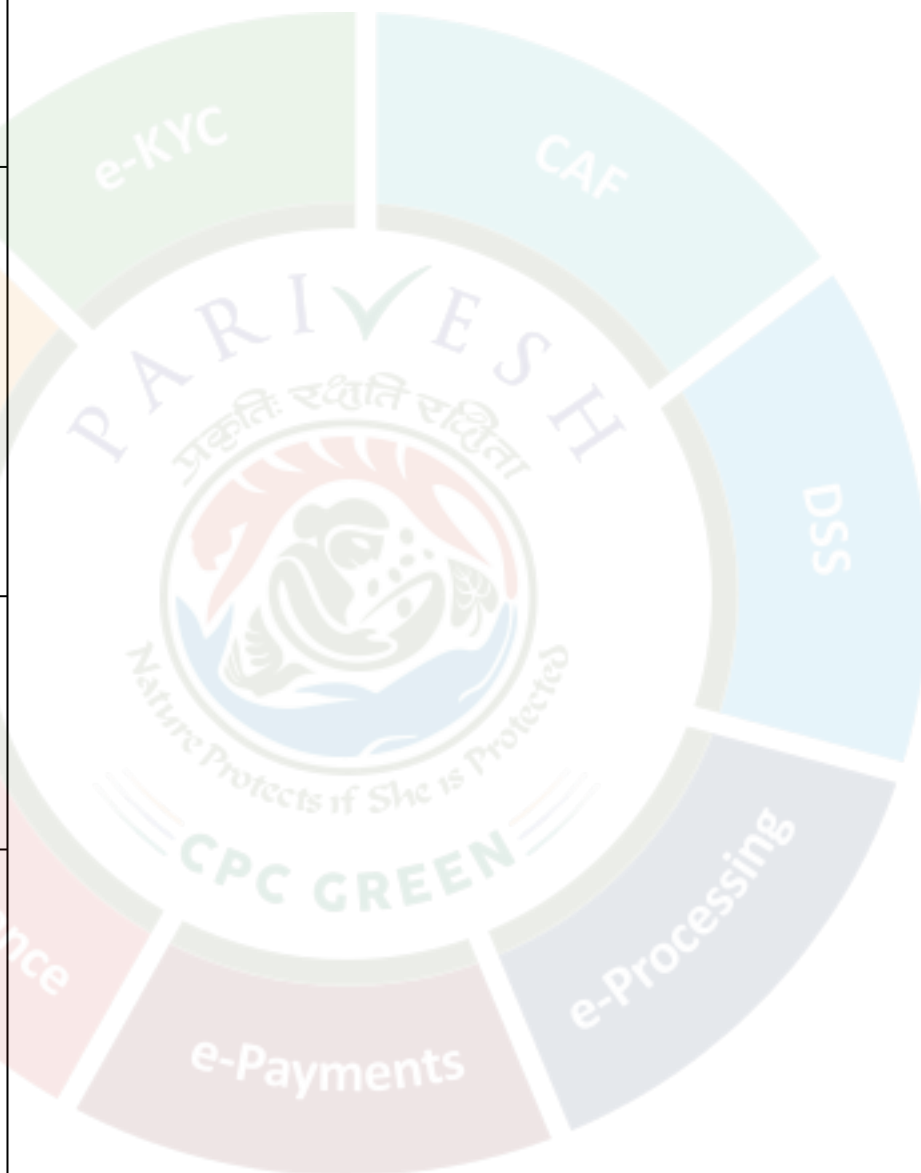
S. No	Chapter -3 Clause -9	Compliance
	onuments.	
2.	Industrial plant must comply with criteria set by Central Government, State Government, or Union Territory Administration	Complied Total land identified for the proposed project is 35.37 Ha. (87.40 acres). Total land is same is registered in the company name. The land earmarked for the proposed project is Private Land (Unirrigated Agriculture land) There are no specific criteria set by Chhattisgarh State Govt. for establishment



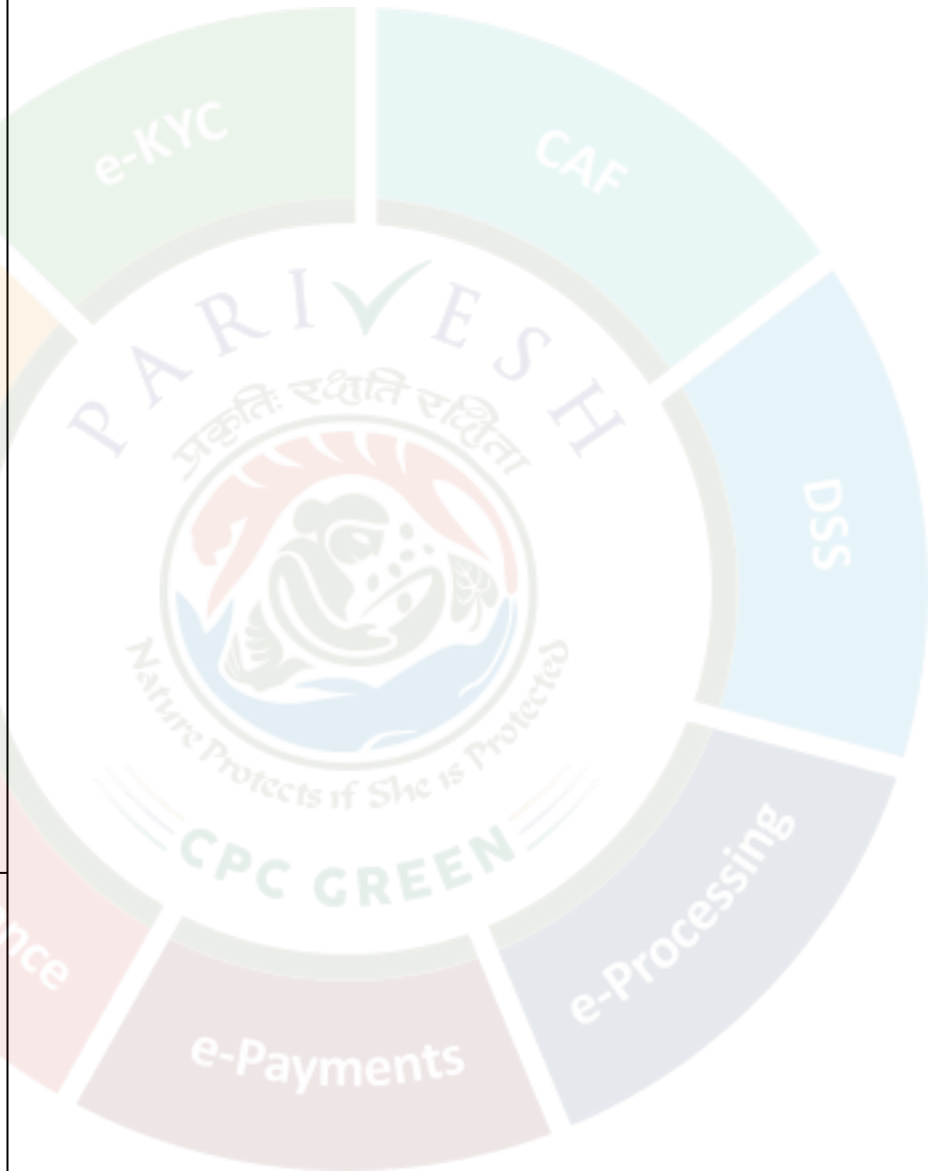
S. No	Chapter -3 Clause -9	Compliance
		hment of industrial plants
3.	While establishing an industrial plant, the following minimum distances shall be maintained:	
3(a)	From the nearest boundary of surface water body (flood plain/HFL/Red line) as per revenue records in case of industrial plant of:	
3(a)(i)	Red category: Beyond 500 meters.	Complied



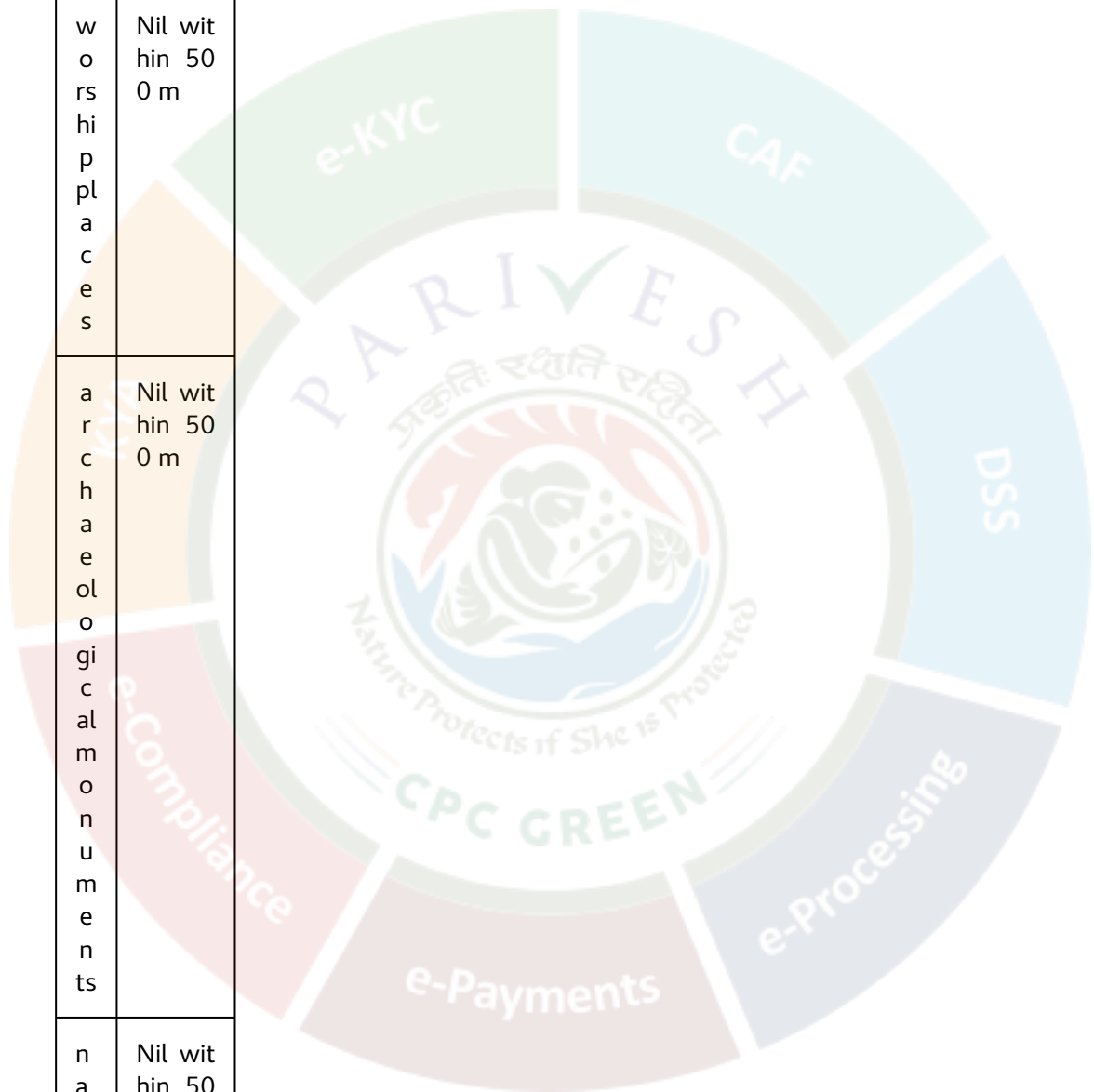
S. No	Chapter -3 Clause -9	Compliance
3(a)(ii)(A)	Orange category (with effluent generation): Beyond 75 meters.	---
3(a)(ii)(B)	Orange category (without effluent generation): Beyond 30 meters.	---
3(a)(iii)	Green category: Beyond 30 meters.	---
3(b)	From settlements, educational institutions, worship places, archaeological monuments, national parks, reserve forests, heritage site	



S. No	Chapter -3 Clause -9	Compliance
	s, in case of industrial plant of:	
3(b)(i)	Red category: Beyond 500 meters. Settlement	Nil within 500 m 1) Charmar Village - 0.52 kms (S W) Mitigation measures are shown above
	educational institutes	Nil within 500 m 1) Primary School Charmar Village - 0.65 kms (N W) Mitiga



S. No	Chapter -3 Clause -9	Compliance
		tion measures are shown above.
	w or s h i p p l a c e s	Nil within 500 m
	a r c h a e o l o g i c a l m o n u m e n t s	Nil within 500 m
	n a t i o n a l p a r k s	Nil within 500 m



S. No	Chapter -3 Clause -9	Compliance
	reservoir forests heritage sites	Nil within 500 m Nil within 500 m
3(b)(ii)	Orange category: Beyond 200 meters.	---
3(b)(iii)	Green category: Beyond 100 meters	---
3(c)	The State Board shall ensure compliance with all applica	Not applicable

S. No	Chapter -3 Clause -9	Compliance
	ble laws, rules, regulations, and notifications	
3(d)	Natural or storm drains passing through the industrial plant locations shall not be disturbed.	Not applicable

3.6.3. Deliberations by the committee in previous meetings

N/A

3.6.4. Deliberations by the EAC in current meetings

Deliberation by the Committee

- The instant proposal is for establishment of Greenfield steel plant comprising of Iron Pellet plant - 12,00,000 TPA, along Coal Gasifier for Pellet Plant- 2 x 15,000 M³/Hr, Sponge Iron of 8,58,000TPA, Hot Billets/ Ingots through Induction Furnaces -7,92,000 TPA & through Electric Arc Furnaces -3,30,000 TPA, TMT/ Wire/ Strip/ Plate/ Structural Steel through Rolling Mill with RHF of 7,92,000 TPA, along Coal Gasifier for Reheating Furnace- 2 x 20,000 M³/Hr, Coal Washery Unit of 22,50,000 TPA, SEAFs of 4 x 24 MVA (FeSi-85,000 TPA / FeMn -2,40,000 TPA / SiMn-1,60,000 TPA / FeCr-1,80,000 TPA/ Pig Iron-2,80,000 TPA.), Sinter Plant - 1,32,000 TPA, AOD (MC FeMn/ LC FeMn/ MC FeCr/ LC FeCr)- 1,98,000 TPA, Jigging Plant - 10,000 TPA, Briquetting Unit - 1,000 Kg/hr, Argon Plant -19.8 Mm³, Oxygen Plant - 99 Mm³, Nitrogen Plant - 297 Mm³, Slag Crusher - 50 TPH, WHRB Power Plant-100 MW, FBC Power Plant-100 MW, Fly Ash Brick unit-1,00,000 Bricks/Day.
- The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- The total land requirement for the project is 35.37 Ha (87.40 acres), which is in the name of the company. The land is single crop, unirrigated agricultural land. It is noted that the project land is divided into two parcels, separated by State Highway (SH-17), with Parcel-1 admeasuring 18.494 Ha and Parcel-2 admeasuring 16.876 Ha. The Project Proponent has obtained permission from the PWD

Department for construction of an overhead conveyor to facilitate material transfer between the two land parcels. Necessary safety measures for the proposed overhead structure have been envisaged by the Project Proponent. The EAC opined that the construction of an overhead conveyor may be considered subject to obtaining necessary permissions from the concerned authorities and ensuring adequate safety measures, including structural stability, clearance, and uninterrupted movement of traffic.

- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearby habitations include Few shops of Charmar Village at 0.08 km, Charmar Village at 0.52 km, Gollapuram village at about 0.99 km in the south-east direction and Hunasenahalli village at about 1.27 km in the north-east direction. Other sensitive receptors in the vicinity include Primary School, Charmar Village (~0.65 km, SW), Govt. High School, Nawapara (Tenda) (~1.2 km, NE), Middle School, Bhengari (~1.4 km, SE), Primary Health Centre, Nawapara (Tenda) (~1.4 km, NE), scrub forest (~0.08 km, SE), and reserved/protected forests such as Lamikhair RF (~1.4 km, NW), Suhai RF (~1.6 km, SE), Dhumapahari RF (~1.6 km, W), Bhengari PF (~1.2 km, S) and Chhindpani PF (~2.1 km, E). Water bodies in the study area include Chinni Nala (~0.70 km, W) and Tenda Nala (~1.7 km, N), along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. The Committee noted that there are water bodies within the study area of the project site, including Chinni Nala (~0.70 km, W) and Tenda Nala (~1.7 km, N) along with several other water bodies. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vi. Project Proponent submitted that there is movement of elephants reported within a 10 km radius of the project site based on secondary information. In this regard, the Project Proponent has committed to prepare a Conservation Plan and obtain approval of the competent authority, including budgetary provisions from the PCCF, which shall be submitted as part of the EIA study. The Committee, after deliberation, opined that the presence of elephant movement in the surrounding area warrants due consideration and emphasized that the Conservation Plan shall be prepared in consultation with the State Forest Department and implemented in a time-bound manner. The Committee further advised that adequate mitigation measures shall be incorporated to avoid any adverse impact on wildlife movement and habitat in the region.
- vii. The water requirement for the proposed project is estimated as 6,716 KLD and same will be sourced from Chinni Nala / Kurket river which is located 0.70 Kms. & 4.6 Kms. PP shall secure necessary permission from the Competent Authority. PP shall also submit an action for laying of pipelines from the water source to plant premises with all the requisite permissions from WRD.
- viii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

3.6.5. Recommendation of EAC

Recommended

3.6.6. Details of Terms of Reference

3.6.6.1. Specific

Specific

1.	PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
2.	Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
3.	PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
4.	PP shall submit detailed design and layout of the proposed overhead conveyor connecting the two land parcels, including structural design, safety features, and clearance details across State Highway (SH-17). The EIA/EMP report shall include necessary permissions obtained from concerned authorities, traffic management plan during construction and operation, and assessment of potential impacts on public movement and safety. Adequate mitigation measures to ensure structural stability, sufficient vertical and horizontal clearance, and uninterrupted traffic flow shall be clearly elaborated.
5.	There are water bodies within the study area of the project site, including Chinni Nala (~0.70 km, W) and Tenda Nala (~1.7 km, N) along with several other water bodies. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
6.	Project Proponent shall prepare a detailed Wildlife Conservation Plan, specifically addressing elephant movement in the study area, in consultation with the State Forest Department. The plan shall be submitted as part of the EIA/EMP report and necessary approval shall be obtained from the competent authority.
7.	
8.	Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
9.	The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
10.	Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive

	and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
1 1.	The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
1 2.	Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
1 3.	Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
1 4.	The “make-up” water required during the operation be reported, without any ambiguity.
1 5.	The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
1 6.	An action plan must be drawn up and implemented for maximum harvesting of rain water.
1 7.	The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
1 8.	PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
1 9.	PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
2 0.	PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.
2 1.	

3.6.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Preliminary requirements	
1.	EIA/EMP report cover page shall consists of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.

2.	Besides, following points shall be compiled as per QCI/NABET norms: a. Disclaimer by the EIA consultant. b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person. c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report. d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC. e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.
Executive Summary	
1.	Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
2.	Point wise compliance to the ToR issued by MoEF&CC.
3.	Name of the project along with applicable schedule and category as per EIA, 2006.
4.	Location and accessibility
5.	Resource requirements (Land; water; fuel; manpower)
6.	Operational activity
7.	Key pollution concerns
8.	Ambient air quality
9.	Ambient Noise quality
10.	Traffic study
11.	Surface water quality
12.	Ground water quality
13.	Soil quality
14.	Biological Environment
15.	Land use
16.	Socio-economic environment
17.	Impact on ambient air quality
18.	Impact on ambient noise quality

8.	
1 9.	Impact on road and traffic
2 0.	Impact on surface water resource and quality
2 1.	Impact on ground water resource and quality
2 2.	Impact on terrestrial and aquatic habitat
2 3.	Impact on socio-economic environment
2 4.	null
2 5.	Ambient air, noise, water and soil quality
2 6.	Noise quality management plan
2 7.	Emission and discharge from the plant
2 8.	Green Belt
2 9.	Social Parameters
3 0.	Risk assessment
3 1.	Public consultation
3 2.	Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020
3 3.	null
3 4.	Air quality management plan
3 5.	Noise quality management plan

3 6.	Solid and hazardous waste management plan
3 7.	Effluent management plan
3 8.	Storm water management plan
3 9.	Occupational health and safety management plan
4 0.	Green belt development plan
4 1.	Socio-economic management plan
4 2.	Project cost and EMP implementation budget.
Introduction	
1.	Background about the project
2.	Need of the project
3.	Purpose of the EIA study
4.	Scope of the EIA study
Project description	
1.	Location of the project site covering village, Taluka/Tehsil, District and State.
2.	Site accessibility
3.	A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
4.	Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.
5.	Environment settings of the site and its surrounding along with map.
6.	A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
7.	In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.

8.	In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
9.	In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off calculations, disposal etc. A robust and full proof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
10.	Type of land, land use of the project site needs to be submitted.
11.	Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
12.	Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
13.	Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with calculations mentioning about GW recharge along with relevant drawing.
14.	A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
15.	Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.
16.	Status of Forest Clearance for the use of forest land shall be submitted.
17.	Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
18.	The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
19.	Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.
20.	Products with capacities in Tons per Annum for the proposed project.

2 1.	If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
2 2.	Site preparatory activities.
2 3.	List of raw materials required and their source along with mode of transportation.
2 4.	Other than raw materials, other chemicals and materials required with quantities and storage capacities.
2 5.	Manufacturing process details along with process flow diagram of proposed units.
2 6.	Consolidated materials and energy balance for the project.
2 7.	Total requirement of surface/ ground water and power with their respective sources, status of approval.
2 8.	Water balance diagram
2 9.	Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
3 0.	Man-power requirement.
3 1.	Cost of project and scheduled time of completion.
3 2.	In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
3 3.	Brief on present status of compliance (Expansion/modernization proposals) a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. b. Cumulative Impact Assessment need to be carried out by greenfield projects considering the nearby industries. c. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. d. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection. e. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB

shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.

Description of the Environment

1. Study period

Approach and methodology for data collection as furnished below

Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological ● Wind speed (Hourly) ● Wind direction ● Dry bulb temperature ● Wet bulb temperature ● Relative humidity ● Rainfall ● Solar radiation ● Cloud cover ● Environmental ● Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 ● Site specific primary data is essential ● Secondary data from IMD, New Delhi ● CPCB guidelines to be considered.
Pollutants ● PM10 ● SO2 ● NOx ● CO ● HC ● Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards,CPCB Notification.	● Sampling as per CPCB guidelines ● Collection of AAQ data (except in monsoon season) ● Locations of various stations for different parameters should be related to the characteristic properties of the parameters. ● The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive

2.

			receptors including reserved forests, Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	as per norms	CPCB
Water			
Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms - Phyto plankton - Zoo plankton	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		
For River Bodies - Total Carbon - pH - Dissolved Oxygen - Biological Oxygen	Surface water quality of the nearest River (60m upstream and downstream)	- Yield of water sources to be measured during critical season - Standard methodology for collection of surface water (BIS standards)	

Demand - Free NH4 - Boron - Sodium Absorption Ratio - ElectricalConductivity	and other surface water bodies	
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.	
Traffic Study		
Type of vehicles - Frequency of vehicles for transportation of materials - Additional traffic due to proposed project	Land Environment	
Soil - Particle size distribution - Texture - pH - Electrical conductivity - Cation exchange capacity - Alkali metals - Sodium Absorption Ratio (SAR - Permeability - Water holding capacity - Porosity	Soil samples be collected as per BIS specifications	
Land use/Landscape - Location code - Total project area - Topography - Drainage (natural) - Cultivated, forest,plantations, water bodies, roads and settlements		
Biological Environment		
1. Aquatic Primary productivity	Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with	

• Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes	special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.

socio-economic

Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes. • Education	Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies

Approach and methodology for data collection as furnished below

Approach and methodology for data collection as furnished below			
Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological	Minimum 1	hourly	IS 5182 Part 1-20

• Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate	site in the project impact area	continuous	• Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from

			data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per CPCB norms	
Water			
Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms - Phyto plankton - Zoo plankton	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		
For River Bodies - Total Carbon - pH - Dissolved Oxygen - Biological Oxygen Demand - Free NH4 - Boron - Sodium Absorption Ratio - Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	- Yield of water sources to be measured during critical season - Standard methodology for collection of surface water (BIS standards)	
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.		
Traffic Study			
Type of vehicles	Land Environment		

● Frequency of vehicles for transportation of materials ● Additional traffic due to proposed project	
Soil ● Particle size distribution ● Texture ● pH ● Electrical conductivity ● Cation exchange capacity ● Alkali metals ● Sodium Absorption Ratio (SAR) ● Permeability ● Water holding capacity ● Porosity	Soil samples be collected as per BIS specifications
Land use/Landscape ● Location code ● Total project area ● Topography ● Drainage (natural) ● Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic ● Primary productivity ● Aquatic weeds ● Enumeration of phyto plankton, zoo plankton and benthos ● Fisheries ● Diversity indices ● Trophic levels ● Rare and endangered species ● Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ)	● Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. ● Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. ● For forest studies, direction of wind should be considered while selecting forests. ● Secondary data to collect from Government offices, NGOs, published literature.

	2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes			
	socio-economic			
	Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes. • Education	Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies		
3.	Interpretation of each environment attribute shall be enumerated and summarized as given below: • Ambient air quality • Ambient Noise quality • Surface water quality • Ground water quality • Soil quality • Biological Environment • Land use • Socio-economic environment			
4.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.			
Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)				
1.	Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components			
	Activity	Environment	Ecological	Socio-economic
	Construction phase			
	Operation phase			
2.	Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures;			

	Residual impact) a. Construction phase b. Operation phase • Details of stack emissions from the existing as well as proposed activity. • Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period • Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.
3.	Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
4.	Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
5.	Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
6.	Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
7.	Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
8.	Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
9.	Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
10.	Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
11.	Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase
Analysis of Alternatives (Technology & Site)	
1.	No project scenario
2.	Site alternative
3.	Technical and social concerns
4.	Conclusion
Environmental Monitoring Program	
1.	Details of the Environment Management Cell
2.	Performance monitoring schedule for all pollution control devices shall be furnished.
3.	Corporate Environment Policy a. Does the company have a well laid down Environment Policy approved by its Board of Directors?

	If so, it may be detailed in the EIA report. b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA. c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. Page 9 of 10 d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report																														
4.	Action plan for post-project environment monitoring matrix: <table><tr><th>Activity</th><th>Aspect</th><th>Monitoring Parameter</th><th>Location</th><th>Frequency</th><th>Responsibility</th></tr><tr><td colspan="6">Construction phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="6">Operation phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility	Construction phase												Operation phase											
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Operation phase																															
Additional Studies																															
1.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.																														
2.	Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.																														
3.	Implementation status/measures adopted for avoiding the generation of single used plastic waste.																														
4.	In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be submitted.																														
5.	Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).																														
6.	As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.																														
7.	Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020 <table><tr><th>S.No</th><th>Physical activity and action plan</th><th>Year of implementation (Budget in INR)</th><th>Total Expenditure (Rs. in Crores)</th></tr><tr><td></td><td></td><td></td><td></td></tr></table>	S.No	Physical activity and action plan	Year of implementation (Budget in INR)	Total Expenditure (Rs. in Crores)																										
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		Name of the Activity	Physical Targets	1st	2nd	3rd	

8.	Risk assessment • Methodology • Hazard identification • Frequency analysis • Consequence analysis • Risk assessment outcome
9.	Emergency response and preparedness plan

Project Benefits	
1.	Environment benefits
2.	Social infrastructure
3.	Employment and business opportunity
4.	Other tangible benefits

Environment Cost Benefit Analysis	
1.	Net present value
2.	Internal rate of return
3.	Benefit cost ratio
4.	Cost effectiveness analysis

Environment Management Plan (Construction and Operation phase)	
1.	Air quality management plan
2.	Noise quality management plan
3.	Action plan for hazardous waste management
4.	Action plan for solid waste management
5.	Action plan for e-waste management.

6.	Action plan for plastic waste management, considering the Plastic Waste Management Rules 2016.
7.	Action plan for construction and demolition waste management.
8.	Effluent management plan
9.	Storm water management plan
10.	Rain water harvesting plan
11.	Plan for maximum usage of waste water/treated water in the Unit
12.	Occupational health and safety management plan
13.	Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.
14.	Socio-economic management plan
15.	Wildlife conservation plan (In case of presence of schedule I species)
16.	Total capital cost and recurring cost/annum for environment pollution control measures shall be included.
17.	Explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal.
18.	An Action Plan for improving the house-keeping activities in the raw material handling area need to be submitted
19.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
20.	Action plan to limit the dust emission from all the stacks below 30 mg/Nm ³ shall be furnished.
21.	Action plan for fugitive emission control in the plant premises shall be provided.
Conclusion of the EIA study	
1.	null
In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received a	

ny notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	
1.	null
Air cooled condensers shall be used in the power plant.	
1.	null
Details of Dry Ash handling system along with supplementary coal handling system shall be submitted.	
1.	null
Plan for transportation of coal shall be submitted.	
1.	null
Plan along with technical details of SCR shall be submitted.	
1.	null
In case of expansion project, Status of Ash Utilization of previous years (up to 5 years), action plan for 100% ash utilization along with timeline need to be submitted	
1.	null
null	
1.	A 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
2.	Plan for the implementation of the recommendations made for the proposed Unit in the Corporate Responsibility for Environmental Protection (CREP) guidelines.
3.	Plan for solid wastes utilization.
4.	Plan for utilization of energy in off gases (coke oven, blast furnace)
5.	System of coke quenching adopted with full justification.
6.	Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
7.	Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
8.	Details on toxic content using Toxicity Characteristic Leaching Procedure (TCLP), composition and end use of slag.
9.	100 % dolo char generated in the plant shall be used to generate power.
1	Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover

0.	sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
1 1.	No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
1 2.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
1 3.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be submitted.
1 4.	Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm ³ shall be furnished.
1 5.	Action plan for 100 % solid waste utilization shall be submitted.
1 6.	PM (PM ₁₀ and P _{2.5}) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM ₁₀ to be carried over.
1 7.	Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019 [EPA Rules 1986].

3.7. Agenda Item No 7:

3.7.1. Details of the proposal

Proposed 42,000 TPA Ferro Alloy Plant (2x21 MVA Fe-Si) at Village Denlo, District Lower Dibang Valley, Arunachal Pradesh by M/s. Prasam Alloycraft Industries LLP by PRASAM ALLOYCRAFT INDUSTRIES LLP located at LOWER DIBANG VALLEY, ARUNACHAL PRADESH			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
IA/AR/IND1/578763/2026	IA-J-11011/154/2026-I A-II(Ind-I)	12/05/2026	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

3.7.2. Project Salient Features

[Proposal no.: IA/AR/IND1/578763/2026; File No. IA-J-11011/154/2026-IA-II (IND-I)] [Consultant: J. M. Environet Pvt. Ltd; Valid upto: 07.08.2026]			
		14.0 hectares (34.59 acres) (Private land)	Industrial in nature

		The total project area is 14.0 hectares (34.59 acres) & completely under the possession of the company & industrial in nature.																						
		Project site: No water body present within the project site. Study area: 6 surface water bodies fall within 10 km radius: <table><tr><th>Water body</th><th>Distance (in km)</th><th>Direction</th></tr><tr><td>Enju Pani</td><td>~850 m</td><td>NW</td></tr><tr><td>Difu River</td><td>~3.9 km</td><td>ESE</td></tr><tr><td>Aba N</td><td>~6.5 km</td><td>WNW</td></tr><tr><td>Jowe N</td><td>~8.0 km</td><td>NNW</td></tr><tr><td>Kundil River</td><td>~8.7 km</td><td>South</td></tr><tr><td>Balijan River</td><td>~8.8 km</td><td>ESE</td></tr></table>	Water body	Distance (in km)	Direction	Enju Pani	~850 m	NW	Difu River	~3.9 km	ESE	Aba N	~6.5 km	WNW	Jowe N	~8.0 km	NNW	Kundil River	~8.7 km	South	Balijan River	~8.8 km	ESE	
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S. N o.	Environmental C omponent	Primary data																				
		Parameters	Frequency	Monitoring / Sampli ng Locations																		
2.	Meteorology	Temperature, Relative Humidity, Wind Speed, Wind Direction, Ra infall	Hourly	01 (Project site)																		
3.	Air	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO and other parameters relevant to th e Plant shall be collected	twice a week (24 hourly)	8																		
4.	Noise	Equivalent noise levels in Leq in dB (A)	Once in a season (day & night time)	8																		
5.																						
a.	Surface Water	Parameters as per IS 10500 - 2 012	Once in a season	As per actual conditio n of water availability in surface water bodie s																		
b.	Ground Water		Once in a season	8																		
7.	Soil	Parameters As per IS 2720/USD A	Once in a season	6																		
8.	Biological Environ ment	Flora and fauna	Once in a season	Study area																		
9.	Socio- Economic Environment	Economic Demography	Once in a season	Study area																		
Sl. No	Particular		Comments/Remarks																			
	Location of the project																					
	Land details: Total land area of t he project & area of land acquire d		The total project area is 14 hectares (34.59 acres) & com pletely under the possession of the company & industrial i n nature																			
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S. No.	G.S.R 62(E) dated 23 rd January, 2026- Cr iteria for Establishment of Industrial Pla nt	Compliance Status																																																
1	From the nearest boundary of surface wat er body (flood plain/ HFL/Red line) as per the revenue records in case of industrial u nit of- (i) red category, beyond five hundred mete rs; (ii) orange category, (A) with effluent gene ration, beyond seventy-five meter s; (B) without effluent generation, beyond thirty meters; (iii) green category, beyond thirty meters;	No Surface water Body with flood plain/ HF L/Red line as per the revenue records within 500 m of project boundary.																																																
2	from the settlement, educational institute, worship place, archaeological monuments, national park, reserve forest, heritage site, i n case of industrial unit of - i. red category, beyond five hundred m eters;	There are no settlements, educational institut ions, places of worship, archaeological monu ments, national parks, reserve forests, or heri tage sites within 500 meters of the project sit e. Hence, the proposed Red Category industr y complies with the prescribed siting criteria.																																																

S. No.	G.S.R 62(E) dated 23 rd January, 2026- Criteria for Establishment of Industrial Plant	Compliance Status
	ii. orange category, beyond two hundred meters; iii. green category, beyond one hundred meters.	
3	The State Board shall ensure that other laws, rules, and regulations, and notifications are complied with by the industrial plant.	Agreed to comply.
4	The natural or storm drain passing through the location of industrial unit shall not be disturbed.	Not applicable as no natural or storm drain passes through the project site.

3.7.3. Deliberations by the committee in previous meetings

N/A

3.7.4. Deliberations by the EAC in current meetings

Deliberation by the Committee

- i. The instant proposal is for establishment of 2 x 21 MVA Ferro Alloy Plant (42,000 TPA Fe-Si).
- ii. The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- iii. The total project area is 14.0 hectares (34.59 acres) & completely under the possession of the company & industrial in nature.
- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearest habitation is Village Denlo located at about 2.0 km in the north-west direction. Other sensitive receptors in the vicinity include Govt. Primary School, Koronu (~1.2 km, W) and Govt. Primary School, Elambro (Denlo) (~1.5 km, WSW). Water bodies in the study area include Enju Pani (~0.85 km, NW), Difu River (~3.9 km, ESE). Environmentally sensitive areas within the study area include Mehao Wildlife Sanctuary (~3.2 km, NE). The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. The Committee noted that Mehao Wildlife Sanctuary is located at a distance of approximately 3.2 km in the north-east direction. The Committee noted that the Project Proponent has submitted a certificate from the Office of the Deputy Commissioner, Lower Dibang Valley dated 11.03.2024 stating that the project site does not fall within the notified area of the Wildlife Sanctuary and lies beyond the proposed Eco-Sensitive Zone. However, the Committee observed that in view of the proximity of the project site to the Wildlife Sanctuary and the applicability of the default Eco-Sensitive Zone of 10 km in the absence of a final notified ESZ, the proposal attracts the provisions of the Hon'ble Supreme Court directions and requires consideration under the Wildlife (Protection) Act, 1972. Accordingly, the Committee emphasized that the Project Proponent shall obtain prior approval from the Standing Committee of the National Board for Wildlife (NBWL), as applicable. The Committee further advised

that the impact on wildlife and associated habitats shall be adequately assessed and appropriate mitigation measures shall be incorporated in the EIA/EMP.

- vi. The Committee noted that there are water bodies within the study area of the project site, including Enju Pani (~0.85 km, NW), Difu River (~3.9 km, ESE) along with several other water bodies. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vii. The water requirement for the proposed project is estimated as 160 m³/day, which will be obtained from Ground water/Surface water. PP shall secure necessary permission from the Competent Authority. PP shall also submit an action for laying of pipelines from the water source to plant premises with all the requisite permissions from WRD.
- viii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

3.7.5. Recommendation of EAC

Recommended

3.7.6. Details of Terms of Reference

3.7.6.1. Specific

Specific	
1.	PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
2.	Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
3.	PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
4.	Project Proponent shall obtain prior approval from the Standing Committee of the National Board for Wildlife (NBWL), as applicable, in view of the project's location within the Eco-Sensitive Zone/within 10 km of Mehao Wildlife Sanctuary. The recommendations/conditions stipulated by NBWL shall be strictly complied with. A copy of the NBWL clearance along with compliance status shall be submitted to the Ministry prior to commencement of any construction/expansion activities. Also, the impact on wildlife and associated habitats shall be adequately assessed and appropriate mitigation measures shall be incorporated in the EIA/EMP.
5.	The Committee noted that there are water bodies within the study area of the project site, including Enju Pani (~0.85 km, NW), Difu River (~3.9 km, ESE) along with several other water bodies. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the

	natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
6.	The water requirement for the proposed project is estimated as 160 m ³ /day, which will be obtained from Ground water/Surface water. PP shall secure necessary permission from the Competent Authority. PP shall also submit an action for laying of pipelines from the water source to plant premises with all the requisite permissions from WRD.
7.	Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
8.	The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
9.	Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
10.	The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
11.	Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
12.	Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
13.	The “make-up” water required during the operation be reported, without any ambiguity.
14.	The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
15.	An action plan must be drawn up and implemented for maximum harvesting of rain water.

1 6.	The "input" parameters used in the AAQ modelling, and the "inversion height" and "mixing height" be reported, without any ambiguity.
1 7.	PP shall present the "Social & Environment Cost Benefit " analysis in the EIA report and EC appraisal.
1 8.	Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
1 9.	PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
2 0.	PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

3.7.6.2. Standard

3(a)	Metallurgical Industries (ferrous and non ferrous)
Preliminary requirements	
1.	EIA/EMP report cover page shall consists of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.
2.	Besides, following points shall be compiled as per QCI/NABET norms: a. Disclaimer by the EIA consultant. b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person. c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report. d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC. e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.
Executive Summary	
1.	Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
2.	Point wise compliance to the ToR issued by MoEF&CC.
3.	Name of the project along with applicable schedule and category as per EIA, 2006.
4.	Location and accessibility
5.	Resource requirements (Land; water; fuel; manpower)
6.	Operational activity
7.	Key pollution concerns
8.	Ambient air quality

9.	Ambient Noise quality
10.	Traffic study
11.	Surface water quality
12.	Ground water quality
13.	Soil quality
14.	Biological Environment
15.	Land use
16.	Socio-economic environment
17.	Impact on ambient air quality
18.	Impact on ambient noise quality
19.	Impact on road and traffic
20.	Impact on surface water resource and quality
21.	Impact on ground water resource and quality
22.	Impact on terrestrial and aquatic habitat
23.	Impact on socio-economic environment
24.	null
25.	Ambient air, noise, water and soil quality
26.	Noise quality management plan

2 7.	Emission and discharge from the plant
2 8.	Green Belt
2 9.	Social Parameters
3 0.	Risk assessment
3 1.	Public consultation
3 2.	Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020
3 3.	null
3 4.	Air quality management plan
3 5.	Noise quality management plan
3 6.	Solid and hazardous waste management plan
3 7.	Effluent management plan
3 8.	Storm water management plan
3 9.	Occupational health and safety management plan
4 0.	Green belt development plan
4 1.	Socio-economic management plan
4 2.	Project cost and EMP implementation budget.
Introduction	
1.	Background about the project
2.	Need of the project

3.	Purpose of the EIA study
4.	Scope of the EIA study
Project description	
1.	Location of the project site covering village, Taluka/Tehsil, District and State.
2.	Site accessibility
3.	A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
4.	Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.
5.	Environment settings of the site and its surrounding along with map.
6.	A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
7.	In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
8.	In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
9.	In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off calculations, disposal etc. A robust and full proof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
10.	Type of land, land use of the project site needs to be submitted.
11.	Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
12.	Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
13.	Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with

	calculations mentioning about GW recharge along with relevant drawing.
1 4.	A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
1 5.	Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.
1 6.	Status of Forest Clearance for the use of forest land shall be submitted.
1 7.	Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
1 8.	The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
1 9.	Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.
2 0.	Products with capacities in Tons per Annum for the proposed project.
2 1.	If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
2 2.	Site preparatory activities.
2 3.	List of raw materials required and their source along with mode of transportation.
2 4.	Other than raw materials, other chemicals and materials required with quantities and storage capacities.
2 5.	Manufacturing process details along with process flow diagram of proposed units.
2 6.	Consolidated materials and energy balance for the project.
2 7.	Total requirement of surface/ ground water and power with their respective sources, status of approval.
2 8.	Water balance diagram
2 9.	Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.

30.	Man-power requirement.
31.	Cost of project and scheduled time of completion.
32.	In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
33.	Brief on present status of compliance (Expansion/modernization proposals) a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. b. Cumulative Impact Assessment need to be carried out by greenfield projects considering the nearby industries. c. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. d. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection. e. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.

Description of the Environment

1.	Study period			
2.	Approach and methodology for data collection as furnished below			
	Attributes	Sampling		Remarks
		Network	Frequency	
	Air Environment			
	Micro-Meteorological ● Wind speed (Hourly) ● Wind direction ● Dry bulb temperature ● Wet bulb temperature ● Relative humidity ● Rainfall ● Solar radiation ● Cloud cover ● Environmental ● Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 ● Site specific primary data is essential ● Secondary data from IMD, New Delhi ● CPCB guidelines to be considered.

Pollutants

- PM10
- SO2
- NOx
- CO
- HC
- Other parameters relevant to the project and topography of the area

At least 8-12 locations

As per National Ambient Air Quality Standards, CPCB Notification.

- Sampling as per CPCB guidelines
- Collection of AAQ data (except in monsoon season)
- Locations of various stations for different parameters should be related to the characteristic properties of the parameters.
- The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests,
- Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

Noise

Hourly equivalent noise levels

At least 8-12 locations

s per norms CPCB

Water

Parameters for water quality • pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity • Total nitrogen, total phosphorus, DO, BOD, COD, Phenol • Heavy metals • Total coliforms, faecal coliforms • Phyto plankton • Zoo plankton	Samples for water quality should be collected and analyzed as per: • IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents • Standard methods for examination of water and wastewater analysis published by American Public Health Association	
For River Bodies • Total Carbon • pH • Dissolved Oxygen • Biological Demand • Free NH4 • Boron • Sodium Absorption Ratio • ElectricalConductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	• Yield of water sources to be measured during critical season • Standard methodology for collection of surface water (BIS standards)
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.	
Traffic Study		
Type of vehicles • Frequency of vehicles for transportation of materials • Additional traffic due to proposed project	Land Environment	
Soil • Particle size distribution • Texture • pH • Electrical conductivity • Cation exchange capacity • Alkali metals • Sodium Absorption Ratio	Soil samples be collected as per BIS specifications	

(SAR • Permeability - Water holding capacity • Porosity	
Land use/Landscape • Location code • Total project area • Topography • Drainage (natural) - Cultivated, forest, plantations, water bodies, roads and settlements	
Biological Environment	
1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries - Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes	• Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.

socio-economic

Demographic structure

- Infrastructure resource base
- Economic resource base
- Health status: Morbidity pattern
- Cultural and aesthetic attributes.
- Education

Socio-economic survey is based on proportionate, stratified and random sampling method.

- Primary data collection through questionnaire
- Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies

Approach and methodology for data collection as furnished below

Attributes	Sampling		Remarks
	Network	Frequency	
Air Environment			
Micro-Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental • Lapse Rate	Minimum 1 site in the project impact area	hourly continuous	IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
Pollutants • PM10 • SO2 • NOx • CO • HC • Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards,CPCB Notification.	• Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009

			and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
Noise			
Hourly equivalent noise levels	At least 8-12 locations	s per norms	CPCB
Water			
Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms - Phyto plankton - Zoo plankton	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association		

For River Bodies	• Total Carbon • pH • Dissolved Oxygen • Biological Oxygen Demand • Free NH4 • Boron • Sodium Absorption Ratio • Electrical Conductivity	Surface water quality of the nearest River (60m upstream and downstream) and other surface water bodies	• Yield of water sources to be measured during critical season • Standard methodology for collection of surface water (BIS standards)
For Ground Water	Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.		
Traffic Study			
Type of vehicles	• Frequency of vehicles for transportation of materials • Additional traffic due to proposed project	Land Environment	
Soil	• Particle size distribution • Texture • pH • Electrical conductivity • Cation exchange capacity • Alkali metals • Sodium Absorption Ratio (SAR) • Permeability • Water holding capacity • Porosity	Soil samples be collected as per BIS specifications	
Land use/Landscape	• Location code • Total project area • Topography • Drainage (natural) • Cultivated, forest, plantations, water bodies, roads and settlements		
Biological Environment			

	<table border="1"> <tr> <td> 1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes </td><td> • Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature. </td></tr> </table>	1. Aquatic • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) 2. Terrestrial • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes	• Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.		
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socio-economic					
Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes. • Education	Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. agencies				
3.	Interpretation of each environment attribute shall be enumerated and summarized as given below: • Ambient air quality • Ambient Noise quality • Surface water quality • Ground water quality • Soil quality • Biological Environment • Land use • Socio-economic environment				
4.	The PP should submit the photograph of monitoring stations & sampling locations. The photograph				

	should bear the date, time, latitude & longitude of the monitoring station/sampling location. In addition to this PP should submit the original test reports and certificates of the labs which will analyze the samples.			
Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)				
1.	Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components			
	Activity	Environment	Ecological	Socio-economic
	Construction phase			
	Operation phase			
2.	Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase • Details of stack emissions from the existing as well as proposed activity. • Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period • Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.			
3.	Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
4.	Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
5.	Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
6.	Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
7.	Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
8.	Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
9.	Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
10.	Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
11.	Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) a. Construction phase b. Operation phase			
Analysis of Alternatives (Technology & Site)				
1.	No project scenario			

2.	Site alternative																														
3.	Technical and social concerns																														
4.	Conclusion																														
Environmental Monitoring Program																															
1.	Details of the Environment Management Cell																														
2.	Performance monitoring schedule for all pollution control devices shall be furnished.																														
3.	Corporate Environment Policy a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA. c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. Page 9 of 10 d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report																														
4.	Action plan for post-project environment monitoring matrix: <table><tr><th>Activity</th><th>Aspect</th><th>Monitoring Parameter</th><th>Location</th><th>Frequency</th><th>Responsibility</th></tr><tr><td colspan="6">Construction phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="6">Operation phase</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility	Construction phase												Operation phase											
Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility																										
Construction phase																															
Operation phase																															
Additional Studies																															
1.	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.																														
2.	Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.																														
3.	Implementation status/measures adopted for avoiding the generation of single used plastic waste.																														
4.	In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be																														

	submitted.						
5.	Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).						
6.	As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.						
7.	Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020						
	S.No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
		Name of the Activity	Physical Targets	1st	2nd	3rd	
8.	Risk assessment • Methodology • Hazard identification • Frequency analysis • Consequence analysis • Risk assessment outcome						
9.	Emergency response and preparedness plan						
Project Benefits							
1.	Environment benefits						
2.	Social infrastructure						
3.	Employment and business opportunity						
4.	Other tangible benefits						
Environment Cost Benefit Analysis							
1.	Net present value						
2.	Internal rate of return						
3.	Benefit cost ratio						

4.	Cost effectiveness analysis
Environment Management Plan (Construction and Operation phase)	
1.	Air quality management plan
2.	Noise quality management plan
3.	Action plan for hazardous waste management
4.	Action plan for solid waste management
5.	Action plan for e-waste management.
6.	Action plan for plastic waste management, considering the Plastic Waste Management Rules 2016.
7.	Action plan for construction and demolition waste management.
8.	Effluent management plan
9.	Storm water management plan
10.	Rain water harvesting plan
11.	Plan for maximum usage of waste water/treated water in the Unit
12.	Occupational health and safety management plan
13.	Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.
14.	Socio-economic management plan
15.	Wildlife conservation plan (In case of presence of schedule I species)
16.	Total capital cost and recurring cost/annum for environment pollution control measures shall be included.
17.	Explore possibilities for recycling and reusing of treated water in the unit to reduce the freshwater demand and waste disposal.
18.	An Action Plan for improving the house-keeping activities in the raw material handling area need to be submitted
1	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap

9.	run off material shall be submitted.
20.	Action plan to limit the dust emission from all the stacks below 30 mg/Nm ³ shall be furnished.
21.	Action plan for fugitive emission control in the plant premises shall be provided.
Conclusion of the EIA study	
1.	null
In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	
1.	null
Air cooled condensers shall be used in the power plant.	
1.	null
Details of Dry Ash handling system along with supplementary coal handling system shall be submitted.	
1.	null
Plan for transportation of coal shall be submitted.	
1.	null
Plan along with technical details of SCR shall be submitted.	
1.	null
In case of expansion project, Status of Ash Utilization of previous years (up to 5 years), action plan for 100% ash utilization along with timeline need to be submitted	
1.	null
null	
1.	A 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
2.	Plan for the implementation of the recommendations made for the proposed Unit in the Corporate Responsibility for Environmental Protection (CREP) guidelines.
3.	Plan for solid wastes utilization.
4.	Plan for utilization of energy in off gases (coke oven, blast furnace)

5.	System of coke quenching adopted with full justification.
6.	Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
7.	Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
8.	Details on toxic content using Toxicity Characteristic Leaching Procedure (TCLP), composition and end use of slag.
9.	100 % dolo char generated in the plant shall be used to generate power.
10.	Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
11.	No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
12.	Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
13.	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be submitted.
14.	Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm ³ shall be furnished.
15.	Action plan for 100 % solid waste utilization shall be submitted.
16.	PM (PM ₁₀ and P _{2.5}) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM ₁₀ to be carried over.
17.	Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019 [EPA Rules 1986].

3.8. Agenda Item No 8:

3.8.1. Details of the proposal

Expansion-cum-modification of existing integrated steel plant located at Industrial Estate Kharagpur, District-Paschim Medinipur, West Bengal by M/s Ramsarup Industries Limited by RAMSARUP INDUSTRIES LIMITED located at MEDINIPUR WEST, WEST BENGAL			
Proposal For		Application for amendment in ToR (for categories A & B 1)/Amendment in EC (for category B2)- Form-3	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)

IA/WB/IND1/577920/2026	J-11011/229/2006-IA.I I(I)	08/05/2026	Metallurgical Industries (ferrous and non ferrous) Primary Metallurgical Industry - All Projects (3(a))

3.8.2. Project Salient Features

[Proposal no.: IA/WB/IND1/577920/2026; File No. IA-J-11011/229/2006-IA-II (I)]				
[Consultant: Grass Roots Research and Creation India (P) Ltd.; Valid upto: 04.08.2028]				
S.No.	Facilities	Capacity as per ToR dated 18.07.2025	Amendment Required	Final Capacity
PROJECT CONFIGURATION				
1.	Sponge Iron plant			
	Configuration	1 x 500 TPD + 5 x 650 TPD	Removing 3 x 650 TPD	1 x 500 TPD + 2 x 650 TPD
	Capacity	12,37,500 TPA	-6,43,500 TPA	5,94,000 TPA
2.	Blast furnace			
	Configuration	1x350 m3 + 1x410 m3	No Change	1x350 m3 + 1x410 m3
	Capacity	11,92,205 TPA		11,92,205 TPA
3.	Electric Arc Furnace (EAF)			
	Electric Arc Furnace	2 x 70 tonnes	No Change	2 x 70 tonnes
	Ladle Furnace	2x70 Ton	No Change	2x70 Ton
	Molten Metal Production	12,93,600 TPA	No Change	12,93,600 TPA
	Argon Oxygen Decarbonizer (AOD)	--	70 tonnes	70 tonnes
	Vacuum Degassing (VD)	--	70 tonnes	70 tonnes
	Billet Caster	12,54,800 TPA (2 nos. Matching Strand CCM)	+ 38800 TPA	12,93,600 TPA (2 nos. Matching Strand CCM)
4.	Captive Power Plant			
	WHRB	102.5 MW (1x52.5 TPH + 5 X 7	-50.5 MW (Removing 3 x 72 T	52 MW (1x52.5 TPH + 2 X 7

S.No.	Facilities	Capacity as per ToR dated 18.07.2025	Amendment Required	Final Capacity
		2 TPH)	PH)	2 TPH)
	BFG Fired Boiler	19MW (35 TPH + 41 TPH)	-1 MW	18 MW (35 TPH + 41 TPH)
	BF Top Recovery Turbine	5 MW	No Change	5 MW
	COG Fired Boiler	50 MW (200 TPH)	-29 MW (Replacing 200 TPH with 80 TPH)	21 MW (80 TPH)
	CFBC	60 MW (240 TPH)	+ 90 MW (Addition of 3 x 120 TPH)	150 MW (5 x 120 TPH)
	Total	236.5 MW	+9.5 MW	246 MW
5.	Sinter Plant	15,09,375 TPA (1x90 m2)	7,00,000 TPA (45 m2))	2209375 TPA (90 m2 + 45 m2)
6.	Oxygen Plant	17,300 Nm3/hr	7300 Nm3/Hr existing. Additional plant will be set up of 16700 Nm ³ /Hr in place of 10000 Nm ³ /hr	24,000 Nm3/hr
7.	Rolling Mill	8,00,000 TPA	+4,50,000 TPA	12,50,000 TPA
8.	Ferro Alloy Plant			
	Submerged Arc Furnace	--	3 x 18 MVA	3 X 18 MVA
	AOD	--	400 TPD	400 TPD
	Production	--	1,52,000TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr, 73,000 TPA SiCr	1,52,000TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr, 73,000 TPA SiCr
8.	Coke Oven Plant	6,00,000 TPA	-2,00,000 TPA	4,00,000 TPA
9.	Rolling Stock	800 Nos/Month	No Change	800 Nos/Month

S.No.	Facilities	Capacity as per ToR dated 18.07.2025	Amendment Required	Final Capacity	
10.	Lime Calcination Plant	1,32,000 TPA	No Change	1,32,000 TPA	
11.	DI Pipe unit	5,50,000 TPA	Removing Facility	Nil	
12.	Wire Drawing Mill	--	3,00,000 TPA	3,00,000 TPA	
13.	Galvanised Product	--	1,50,000 TPA	1,50,000 TPA	
14.	Coal Washery	--	10,00,000 TPA	10,00,000 TPA	
15.	Iron Ore Beneficiation	--	10,00,000 TPA	10,00,000 TPA	
16.	Ferro Sinter Plant	--	3,00,000 TPA	3,00,000 TPA	
17.	Slag Crusher	--	2,80,000 TPA	2,80,000 TPA	
18.	Metal Recovery Plant	--	4,20,000 TPA	4,20,000 TPA	
S.No.	Parameter	As per ToR dated 18.07.2025	Amendment Required	Final Capacity	
1	Project Cost	INR 4823.90 Cr	INR 434.10 Cr	INR 5258.00 Cr	
2	Total Area	127.47 ha	No Change	127.47 ha	
3	Water Requirement	7060 KLD	+ 20 KLD	7080 KLD	
4	Power Requirement	277.1 MW	+5.1 MW	282.2 MW	
5	Manpower	3637	-850	2787	
S.No.	Raw Material	Consumption (TPA)	Source	Distance (km)	Transport
A.	Sponge Iron (DRI) Plant (5,94,000 TPA)				
1.	Iron ore Pellet	8,41,800	Local Market	20-30	By Roads
2.	Iron Ore	82,700	Nearby Mines	300-350	By Rail and Roads
2.	Indian Coal	5,63,000	Purchase from CIL	20 - 30	By Rail and Roads
3.	Dolomite	68,050	Local purchase	20 - 40	By Roads

S. N o.	Raw Material	Consumption (T PA)	Source	Distance (km)	Transport
B.	Blast Furnace (BF) Plant (11,92,205 TPA)				
1.	Iron Ore Sinter	15,09,375	Sinter Plant	--	Conveyer belt
2.	Iron Ore Lump	78,810	Nearby Mines	300-350	By Rail and Ro ads
3.	Nut Coke	4,84,500	Local Market	20-30	By Roads
4.	PCI Coke	41,780	Local Market	20-30	By Roads
5.	Limestone	1,91,010	Local Market	20-30	By Roads
6.	Dolomite	59,690	Local Market	20-30	By Roads
7.	Quartzite	59,690	Local Market	20-30	By Roads
C.	Steel Melting Shop (EAF+LRF+CCM) (12,93,600 TPA)				
1.	Sponge Iron	6,11,800	In house Production	--	By Conveyer B elt
2.	Pig Iron	7,65,072	In house Production	--	By Conveyer B elt
3.	Ferro Alloys	3,100	Local Market	20 – 40	By Roads
4.	Scrap	1,52,950	In house Production	--	By Conveyer B elt
5	Lime	1,62,310	Local Market	20 – 40	By Roads
D.	Captive Power Plant - CFBC Boiler (5 x 120 TPH)				
1	Indian Coal	5,72,000	Purchase from CIL	100-120	By Rail/Road
2	Washery Rejects	60,000	In house	--	By Conveyer B elt
3	Dolochar	1,29,888	In house DRI Plant	--	By Conveyer B elt
E.	Sinter Plant (22,09,375 TPA)				
1.	Iron Ore Fines	21,15990	Nearby Mines	300-350	By Rail and Ro ads

S. N o.	Raw Material	Consumption (T PA)	Source	Distance (km)	Transport
2.	Limestone	1,88,070	Local Market	20-30	By Roads
3.	Quicklime	1,17,550	Local Market	20-30	By Roads
4.	Dolomite	94,050	Local Market	20-30	By Roads
5.	Coke breeze	1,41,070	Local Market	20-30	By Roads
F.	Rolling Mill (12,50,000 TPA)				
1.	MS Billets	12,93,600	In House Production	--	By Conveyor Belt
G.	Coke Oven Plant (4,00,000 TPA)				
1.	Coking Coal	6,00,000	Nearby coal Mine	100-120	By Rail and Road
H.	Rolling Stock (800 Nos./Month)				
1.	Steel Plate	8,000 TPM	RDSO approved vendor	--	By Rail
2.	Rubber & Paper	16 TPM			
3.	Bogies	1,600 Nos./month			
4.	CBC Item	800 set/month			
5.	Bearing	6,400 Nos./month			
6.	Assembled wheel set	3,200 Nos./month			
7.	Epoxy & Enamel paint	160 KL/month	Local Market	20-30	By Roads
I.	Lime Calcination Plant (1,32,000 TPA)				
1.	Limestone	2,35,720 TPA	Nearby Mines	300-350	By Rail and Roads
J.	Ferro Alloy Plant (3 X 18MVA)				
J1	Ferro Manganese				

S. N o.	Raw Material	Consumption (T PA)	Source	Distance (km)	Transport
1.	Mn Ore Sinter	2,83,660	In house	--	Conveyer
2.	Coke	68,450	In house	--	Conveyer
3.	Coal	39,550	CIL	100-120	Rail/Road
4.	Dolomite	38,030	Local Market	20-30	Road
5.	Carbon Paste	3,040	Local Market	20-30	Road
J2	Silico Manganese				
1	Mn Ore Sinter	1,94,550	In house	--	Conveyer
2.	Coke	47,320	In house	--	Conveyer
3.	Coal	36,807	CIL	100-120	Rail/Road
4.	Dolomite	15,770	Local Market	20-30	Road
5.	Quartz	23,140	Local Market	20-30	Road
6.	Carbon Paste	2,110	Local Market	20-30	Road
7.	Fe-Mn Slag	47,320	In house	--	Conveyer
J3	Ferro Silicon				
1.	Quartzite	1,16,440	Nearby Mine	300-350	Rail/Road
2.	Mill Scale	23,920	Rolling Mill	--	Conveyer
3.	Charcoal	1,41,560	Local Market	20-30	Road
4.	Coke Breeze	15,740	Local Market	20-30	Road
5.	Carbon Paste	3,150	Local Market	20-30	Road
J4	Ferro Chrome				
1.	Chrome Chips	2,52,000	Local Market	20-30	Road
2.	Quartz	31,500	Local Market	20-30	Road
3.	Lime	12,600	Local Market	20-30	Road
4.	Steam Coal	63,000	Local Market	20-30	Road

S. N o.	Raw Material	Consumption (T PA)	Source	Distance (km)	Transport
J5	Ferro Chrome	2,52,000	Local Market	20-30	Road
1.	Chrome Chips	45,000	Local Market	20-30	Road
2.	Quartz	1,16,150	Local Market	20-30	Road
3.	Coke	18,990	In house	--	Conveyer
K	Ferro Sinter Plant (0.3MTPA)				
1	Mn Ore Fines	2,76,780	Nearby Mines	300-350	By Rail and Ro ads
2	Limestone	24,600	Local Market	20-30	By Roads
3	Quicklime	15,380	Local Market	20-30	By Roads
4	Dolomite	12,300	Local Market	20-30	By Roads
5	Coke breeze	18,450	Local Market	20-30	By Roads
L	Coal Washery (1MTPA)				
1.	ROM Coal	10,00,000	CIL	100-120	By Rail/Roads
M	Iron ore Beneficiation (1MTPA)				
1	Low Grade Iron Ore	10,00,000	Nearby Mines	300-350	Rail/Road
2	Flocculants	130	Local Market	30	Road
N	Wire Drawing Mill (0.3MTPA)				
	Wire Road	3,15,000	Local Market	20-30	Road
O.	Galvanisation (0.15MTPA)				
1.	HR Coils	1,60,000 TPA	Local Market	20-30	Roads
2.	Zinc	12,000 TPA	Local Market	20-30	By Roads
3.	Pickling Acid (HCl/H ₂ SO ₄)	7200 TPA	Local Market	20-30	By Roads
4.	Flux Chemical (NH ₄ Cl/ZnCl ₂)	1200 TPA	Local Market	20-30	By Roads

Written submission by the PP:

3.8.3. Deliberations by the committee in previous meetings

N/A

3.8.4. Deliberations by the EAC in current meetings

Deliberations by the Committee

1. M/s Ramsarup Industries Limited made online application for obtaining ToR vide proposal no. IA/WB/IND1/544315/2026 dated 10.07.2025 for Expansion-cum-modification of existing integrated steel plant for reducing sponge Iron Production from 12,37,500 TPA (500 TPD + 5 x 650 TPD DRI Kiln) to 5,94,000 TPA (500 TPD + 2 x 650 TPD DRI Kilns), Increase in MS Billet Production from 1254800 TPA to 1293600 TPA with addition of facilities of AOD (70 tonnes), VD (70 tonnes) in SMS Unit, Increase in Capacity of Captive Power Plant from 236.5 MW (WHRB – 102.5 MW + BFG Fired Boiler – 19 MW + BF TRT – 5 MW + COG Fired Boiler – 50 MW + CFBC – 60 MW) to 246 MW (WHRB – 52 MW + BFG Fired Boiler – 18 MW + BF TRT – 5 MW + COG Fired Boiler – 21 MW + CFBC – 150 MW), increase in capacity of Sinter Plant from 1509375 TPA (90 m²) to 2209375 TPA (90 m² + 45 m²), increase in capacity of Rolling Mill from 800000 TPA to 1250000 TPA, increase in capacity of Oxygen Plant from 17300 Nm³/hr to 24000 Nm³/hr, reducing capacity of Coke Oven Plant from 6,00,000 TPA to 4,00,000 TPA, along with additional facilities of Ferro Alloy Plant (3 x 18 MVA SAF and 400 TPD AOD) for production of 1,52,000 TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr or 73,000 Si-Cr, Wire Drawing Mill (300000 TPA), Galvanised Product Unit (150000 TPA), Coal Washery (1000000 TPA), Iron ore Beneficiation Plant (1000000 TPA), Ferro Sinter Plant (300000 TPA), Slag Crusher (280000 TPA) and Metal recovery Plant (420000 TPA), removal of Ductile Iron Pipe Plant and retention with same capacity of Blast Furnace (11,92,205 TPA with 350 m³ + 410 m³) Rolling Stock (800 per month) and Lime Calcination plant (1,32,000 TPA) located at Industrial Estate Kharagpur, District-Paschim Medinipur, WB by M/s Ramsarup Industries Limited and Standard TOR was granted vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 along with public hearing.
2. The instant proposal is for seeking amendment in ToR obtained from MoEF&CC vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 w.r.t modification in the configuration/capacity of the proposed project along with key project parameters as detailed in relevant para above.
3. The PP reported that they have sought amendment in the Terms of Reference due to revision in project configuration arising from changes in planning and market demand. The proposed modifications involve optimization of production units, addition of certain facilities, and rationalization of capacities, along with consequential changes in key project parameters such as project cost, water requirement, power requirement, and manpower, while the total land area remains unchanged.
4. The Committee deliberated on the amendment sought in the Terms of Reference with respect to modification in the configuration and capacity of the proposed project and associated key project parameters. The Committee noted that the proposed changes involve rationalization and optimization of production units, addition of certain facilities, and restructuring of capacities in line with revised planning and market demand. The Committee further observed that the total land area remains unchanged and the amendment pertains to revision in project configuration to be duly reflected in the EIA/EMP study. Accordingly, the Committee found the justification for amendment in ToR to be acceptable.
5. The Committee further noted that consequent to the proposed amendment in ToR, the Project Proponent shall revise the EIA/EMP report incorporating the modified project configuration and updated assessment of environmental impacts and mitigation measures. The Project Proponent shall also ensure that all relevant statutory requirements, including public consultation, are addressed in accordance with the revised project scope, as applicable, prior to submission of the final EIA/EMP report for further appraisal.

Recommendations of the Committee:

3.8.5. Recommendation of EAC

Recommended (Subject to submission of requisite information/ documents)

3.8.6. Details of Terms of Reference

3.8.6.1. Specific

Specific	
1.	-

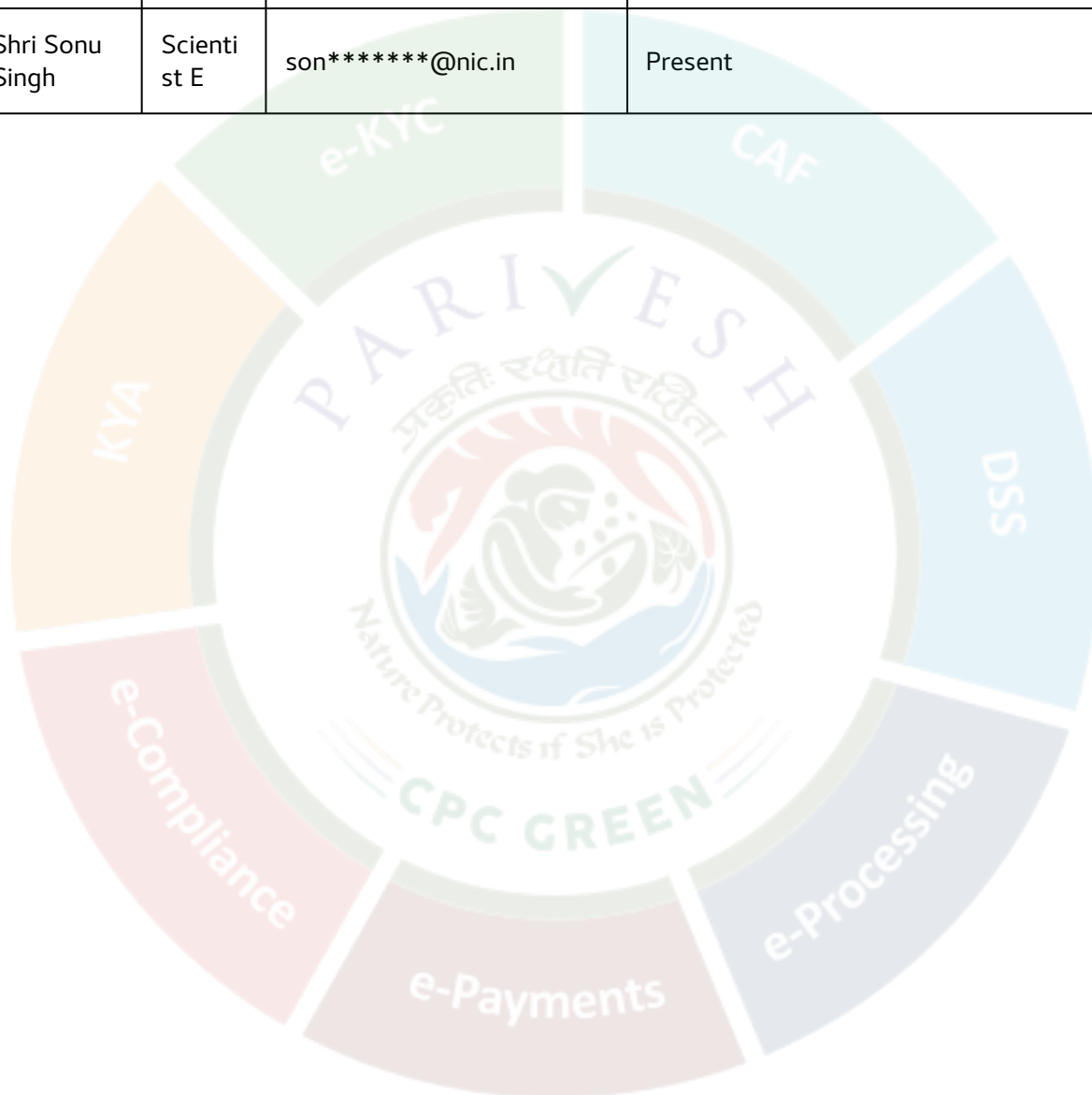
4. Any Other Item(s)

N/A

5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Shri Rajive Kumar	Chairman, EAC	cha*****@gmail.com	Present
2	Dr Dipankar Shome	Member (EAC)	dsh*****@gmail.com	Present
3	Dr S Ranganathan	Member (EAC)	ran*****@gmail.com	Present
4	Dr Ranjit Prasad	Member (EAC)	ran*****@gmail.com	Present
5	Dr E V R Raju	Member (EAC)	raj*****@gmail.com	Present
6	Dr S K Chaturvedi	Member (EAC)	dg@ncbindia.com	Present
7	Dinesh K Sharma	Member (EAC)	sha*****@yahoo.com	Present
8	B Ravichandran	Member (EAC)	rav*****@gov.in	Present by Dr. Ankit Viragami, Scientist D (Representative of National Institute of Occupational Health -NIOH)
9	Sandip Mukhopadhyay	Member (EAC)	san*****@gov.in	Present

10	Suranjan Sinha	Member (EAC)	sur*****@gmail.com	Present
11	Prasoon Gargava	Member (EAC)	pra*****@nic.in	Absent
12	Dr W G Prasanna Kumar	REC Member	wgp*****@gmail.com	Present
13	Shri Sonu Singh	Scientist E	son*****@nic.in	Present



PPs may raise their request for factual corrections or otherwise within three (3) days of the issuance of MOM enabling the EAC to undertake corrections, if required.

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IA DIVISION-INDUSTRY-1 SECTOR)**

Dated: 29.05.2026

Zero Draft sent to EAC: 28.05.2026

Approval by Chairman: 29.05.2026

Uploading on PARIVESH: 29.05.2026

MINUTES OF THE 28TH EXPERT APPRAISAL COMMITTEE (INDUSTRY-1 SECTOR) MEETING HELD ON 21ST – 22ND MAY, 2026

Venue: Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110003 through VC Mode

Time: 10:30 AM onwards

DAY 1: MAY 21, 2026 [THURSDAY]

(i) Opening Remarks by the Chairman, EAC

Shri Rajive Kumar, Chairman EAC welcomed all the members of the Committee and appreciated the efforts of the Ministry's Team (Industry-1 Sector) for preparation and uploading the Agenda of the EAC meetings and draft record of discussion very scientifically, systematically, transparently and timely on Parivesh Portal.

(ii) The Member Secretary informed the committee that there is substantial reduction in the pendency of the projects. The increasing use of various decision-making tools such as KYA, GIS based DSS is assisting us to make quick and transparent decisions. The committee took note of it and acknowledged the efforts of the ministry team.

(iii) The EAC noted that there may be some unintentional, minor errors in uploaded Minutes of Meeting on the PARIVESH PORTAL due to the voluminous nature of Minutes of

Meeting. EAC decided that PPs may raise their issues (if any) for corrections within three days of the issuance of MOM enabling the EAC to consider the request (if required) in its next meeting.

(iv) Confirmation of the Minutes of the 27th meeting of the EAC for Industry-I sector held on 8th May, 2026 at MoEF&CC through VC Mode.

The 27th meeting of the EAC for the Industry-I Sector was held on 8th May, 2026 through VC mode. The EAC noted that the final minutes of the meeting had been issued after incorporating comments received from the members of the Committee. Subsequently, it was observed that there is no modification/factual correction required in the minutes of the said 27th meeting.

However, the Member Secretary (Ind-1) informed the EAC that there is a correction in the MoM of the 26th meeting of the EAC for the Industry-I Sector held on 29th April 2026 through VC mode as given below:

Agenda No: 26.1

The Member Secretary apprised that vide mail dated 20.05.2026 (Agenda Item No. 26.1 –M/s. Gajanan Ferro Pvt. Ltd), PP requested Revision/correction in Minutes of Meeting.

The PP reported that in reference to the Minutes of 26th Meeting of EAC (Industry-I)) dated 29.04.2026 & the minutes Published on Parivesh Portal on 04.05.2026, there is a minor corrections for considerations and have requested for the same. The revision sought in EAC Minutes of meeting published on 04.05.2026, is as given below:

Point No as per MOM	Content in MOM	Corrections Required in 26 th EAC MOM	Recommendation of EAC
26.1.21 Point 11 Page No. 379	The EAC noted that the comments of SPCB regarding project site is located at a distance of 1.5 km from the boundary of Koderma Wildlife Sanctuary and 1.4 km from the Eco-Sensitive Zone (ESZ). Considering the proximity of the project to the ESZ/Wildlife Sanctuary, the Committee advised the PP to undertake adequate mitigation measures for protection of the nearby wildlife and ecological environment, including strengthening pollution control	PP has reported that there was a typographical error in the comments provided by SPCB, wherein it was mentioned that the project site is located at a distance of 1.5 km from the boundary of Koderma Wildlife Sanctuary and 1.4 km from the Eco-Sensitive Zone (ESZ). Accordingly, PP has obtained the corrected letter from Jharkhand State Pollution Control Board issued vide letter dated 21.05.2026 wherein JSPCB has stated that “It is hereby clarified that it should be read as “National Park & Wildlife Sanctuary-	The EAC deliberated on the submission made by PP regarding the typographical error in the comments provided by SPCB and corrected letter obtained from JSPCB dated 21.05.2026 clarifying that the statement should be read as “National Park & Wildlife Sanctuary- Nil in 10 KM radius.” Accordingly, EAC recommended that the related statements recorded in the deliberation (26.1.21,

Point No as per MOM	Content in MOM	Corrections Required in 26 th EAC MOM	Recommendation of EAC
	measures, greenbelt development, and minimizing disturbance to fauna, and to incorporate the same in the Environmental Management Plan for effective implementation.	Nil in 10 KM radius.” Moreover, all other details remain same as per the above said Comments & Environmental Safeguards issued vide Board’s Memo No-PC/MoEF/ECCTE-03/2026-1362 dated-28/04/2026.”	Point 11) and recommendation (Specific Contion Point (vii)) part of the minutes of the said proposal shall be omitted.
Specific Condition Point (vii) Page No. 389	Project site is located at a distance of 1.5 km from the boundary of Koderma Wildlife Sanctuary and 1.4 km from the Eco-Sensitive Zone (ESZ). PP shall undertake adequate mitigation measures for protection of the nearby wildlife and ecological environment, including strengthening pollution control measures, greenbelt development, and minimizing disturbance to fauna, and to incorporate the same in the Environmental Management Plan for effective implementation.	In view of the above, PP has requested for factual correction in the minutes of 26 th EAC (Ind-1) meeting.	

(v) **Details of Proposals and Agenda by the Member Secretary, EAC**

Dr. Sonu Singh, Scientist ‘E’ and Member Secretary, EAC (Industry-1 Sector) appraised to the Committee about the details of Agenda items to be discussed during this EAC meeting.

Details of the proposals considered during the 28th meeting **conducted** through **VC Mode**, deliberations made and the recommendations of the Committee are explained in the respective agenda items as under:

Consideration of EC Proposal

Agenda No. 28.1

28.1 Integrated Cement Plant with production capacity of Clinker: 1.5 Million TPA; Cement: 3.5 Million TPA (OPC, PPC, PSC, SRC, RHPC & Composite Cement); CPP: 20 MW; WHRS:

9.5 MW; Synthetic Gypsum: 1560 TPD (65 TPH) and DG Sets: 2500 KVA (1 x 2500 KVA or 2 x 1000 KVA & 1 x 500 KVA or 1 x 1000 KVA, 2 x 500 KVA & 2 x 250 KVA) by M/s. Shree Cement Limited, located at Villages: Nimsala (Nimsada), Kondhala & Dahegaon, Taluka: Warora, District: Chandrapur, Maharashtra- Consideration of EC.

[Proposal no.: IA/MH/IND1/571953/2026; File No. IA-J-11011/149/2025-IA-II (IND-I)]

[Consultant: J.M. EnviroNet Pvt. Ltd.; Valid upto: 07.08.2026]

28.1.1 Shree Cement Limited (Unit: Vidarbha Cement Plant) has made an online application vide proposal No. IA/MH/IND1/571953/2026 dated 10.04.2026 along with copy of EIA/EMP report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(b) Cement Plants & 1(d) Thermal Power Plant under Category "A" of the schedule of the EIA Notification, 2006 and being appraised at Central Level.

28.1.2 Name of the EIA consultant: M/s. J.M. EnviroNet Pvt. Ltd. [List of ACO's with Accreditation Certificate/Extension Letter No.: NABET/EIA/23-26/SA 0250; valid till 07.08.2026].

Details submitted by Project proponent

28.1.3 The details of the ToR are furnished as below:

Date of application	Consideration	Details	Date of accord	ToR Validity
21.04.2025	3 rd meeting of EAC held on 8 th May, 2025	Terms of Reference	31.05.2025	30.05.2029

28.1.4 The project of Shree Cement Limited located at Villages: Nimsala (Nimsada), Kondhala & Dahegaon, Taluka: Warora, District: Chandrapur (Maharashtra) is for setting up of a Integrated Cement Plant for production of Clinker: 1.5 Million TPA; Cement: 3.5 Million TPA (OPC, PPC, PSC, SRC, RHPC & Composite Cement); CPP: 20 MW; WHRS: 9.5 MW; Synthetic Gypsum: 1560 TPD (65 TPH) and DG Sets: 2500 KVA (1 x 2500 KVA or 2 x 1000 KVA & 1 x 500 KVA or 1 x 1000 KVA, 2 x 500 KVA & 2 x 250 KVA).

28.1.5 Details of EDS:

S. No.	EDS Point	Reply
1.	Form mentions authorized person as 'Sunil Raosaheb Deshmukh' whereas Board Resolution and Covering letter mentions 'Rachna Sharma', the discrepancy may be corrected.	Earlier, the authorized Signatory was Mr. Sunil Raosaheb Deshmukh and now he left the company. Now, Dr. Rachana Sharma is new authorized signatory of the company and accordingly, we have changed the authorized signatory details on Parivesh Portal as Dr. Rachana Sharma in place of Mr. Sunil Raosaheb Deshmukh and the discrepancy has been corrected on Parivesh Portal. Copy of Authorization Letter is enclosed with the EDS reply.
2.	PP is required to submit a notarised tabular statement of complete land under the project indicating village, survey/ khasra no, status of acquisition,	The notarized tabular statement of complete land under the project indicating village, survey no, status

S. No.	EDS Point	Reply
	and as per compliance of OM dated 07-10-2014, as amended. The status of industrial conversion of land may be submitted being agricultural land.	of acquisition / ownership has been submitted with the EDS Reply. CLU of the land is under progress. CLU Application submitted to collector Office-Chandrapur has been tentatively approved and recommended for demarcation, which is under process.
3.	PP is requested to review the information on environmentally sensitive areas and submit complete details w.r.t. such area falling within the study area, and suggested mitigation measures for perusal and appraisal by EAC.	The details of environmental sensitive areas falling within the study area have been compiled. Further, specific mitigation measures for environmental sensitive receptors located within a radius of 2-3 km from the project site have also been duly addressed.

28.1.6 Environmental Site Settings:

S. No.	Particulars	Details	Remarks															
1.	Total land	The total land area for the proposed plant is 42.76 ha (105.68 Acres) which Private Agricultural land.	Land Use- Present land use of the project site is private agriculture land and the conversion of the land for industrial purposes is currently under process. CLU of the land is under progress. CLU Application submitted to collector Office-Chandrapur has been tentatively approved and recommended for demarcation, which is under process.															
2.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	The total area required for the proposed plant is 42.76 ha (105.68 Acres) and complete land has been purchased in the name of applicant company i.e., Shree Cement Limited.	-															
3.	Existence of habitation & involvement of R&R, if any.	Project Site: No habitation exists within the project site Study Area: Villages nearby the project site are as below: <table><thead><tr><th>Habitation</th><th>Distance (km)</th><th>Direction</th></tr></thead><tbody><tr><td>Village Kondala</td><td>~ 1.0 km</td><td>NNE direction</td></tr><tr><td>Village Dahegaon</td><td>~1.4 km</td><td>West direction</td></tr><tr><td>Village Nimsada</td><td>~1.3 km</td><td>SE direction</td></tr><tr><td>Village Belgaon Desh</td><td>~ 2.5 km</td><td>North direction</td></tr></tbody></table>	Habitation	Distance (km)	Direction	Village Kondala	~ 1.0 km	NNE direction	Village Dahegaon	~1.4 km	West direction	Village Nimsada	~1.3 km	SE direction	Village Belgaon Desh	~ 2.5 km	North direction	
Habitation	Distance (km)	Direction																
Village Kondala	~ 1.0 km	NNE direction																
Village Dahegaon	~1.4 km	West direction																
Village Nimsada	~1.3 km	SE direction																
Village Belgaon Desh	~ 2.5 km	North direction																

S. No.	Particulars	Details			Remarks
		Naideo	~ 2.9 km	SSW direction	
		However, total 50 nos. of villages falling in the Study area of 10 km radius.			
4.	Latitude and Longitude of all corners of the project site	S. No.	Latitude	Longitude	
		1	20°18'3.64"N	78°59'25.95"E	
		2	20°18'3.96"N	78°59'15.76"E	
		3	20°17'51.47"N	78°59'6.08"E	
		4	20°17'52.35"N	78°59'2.61"E	
		5	20°17'52.59"N	78°59'1.08"E	
		6	20°17'48.50"N	78°58'55.46"E	
		7	20°17'43.07"N	78°58'52.82"E	
		8	20°17'43.07"N	78°58'49.10"E	
		9	20°17'50.71"N	78°58'47.16"E	
		10	20°17'57.05"N	78°58'43.38"E	
		11	20°17'58.51"N	78°58'42.84"E	
		12	20°18'2.83"N	78°58'42.64"E	
		13	20°18'5.59"N	78°58'48.06"E	
		14	20°18'10.20"N	78°58'59.65"E	
		15	20°18'11.33"N	78°59'17.09"E	
		16	20°18'6.71"N	78°59'25.31"E	
5.	Elevation of the project site	235 to 244 m above mean sea level.			
6.	Involvement of Forest land if any.	No forest land is involved in the proposed project.			Approval in this regard has been obtained from Divisional Forest Officer, Chandrapur Forest Division, Chandrapur, Maharashtra vide letter no. Desk - 14/Survey/Land/2633 on dated 25 th Feb., 2026.
7.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: There is no water body in the project site. Study area: Following water bodies are falling in the 10 km radius study area:			
		Water body	Distance (km)	Direction	
		Seasonal Nalla	Passing through the project site	-	
		Canal	Passing through main gate area	-	
		Lendi Nala	0.7	NW	
		Daiwal Nadi	1.5	West	
		Sonariya Nala	2.0	ESE	
		Bamandoh Nala	6.0	East	
		Shirnai Nadi	8.0	SE	
		Wardha River	8.0	SW	

S. No.	Particulars	Details	Remarks
8.	Existence of ESZ/ ESA/national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area.	Study area: Nil List of Reserved and Protected Forest: ○ Zudupi (Revenue) Forest (~1.0 km in North direction) ○ Shegaon RF ~5.5 km in ESE direction ○ Kawadapur RF ~6.5 km in NNE direction ○ Temurda RF ~8.0 km in NNW direction ○ Shindola RF ~9.5 km in NNE direction	-
9.	Details of inter-linked Projects needs to be submitted	Interlinked Project: ➤ Kondhala Limestone Mine (Mining Lease Area: 105 ha) located near Village: Kondhala, Taluka: Warora, District: Chandrapur, Maharashtra for Mining of 2.25 Million TPA Limestone and installation of 1200 TPH & 500 TPA capacity primary Crusher & 400 TPH secondary Crusher ➤ The company will source limestone requirement of 2.25 Million TPA for the Integrated Cement Project from this limestone Mine. ➤ The application for ToR for the above mine was uploaded on PARIVESH portal on 29th November, 2025. ➤ Thereafter, Term of Reference granted by the SEIAA, Maharashtra on 29th April, 2025 ➤ Public hearing was conducted on 31st December, 2025. ➤ Environment Clearance application was submitted to SEIAA Maharashtra on 13th March, 2026 ➤ The project was appraised in 368th Meeting of SEAC (Part-A) and has been recommended for Grant of Environment Clearance. ➤ The project is also recommended for EC by SEIAA, Maharashtra Vide Proposal no. SIA/MH/MIN/571734/2026 via SEIAA MoM dated 16th April, 2026 and EC awaited.	-

28.1.7 The unit configuration and capacity of proposed project is given as below:

S. No.	Plant Equipment / Facility	Proposed Capacity	
		Configuration	Capacity
1.	Clinker	1 x 4500 TPD	1.5 Million TPA
2.	Cement	Mill: 1 x 380 TPH	3.5 Million TPA
3.	CPP	20 MW	20 MW
4.	WHRS	9.5 MW	9.5 MW
5.	Synthetic Gypsum Plant	1560 TPD (65 TPH)	1560 TPD

S. No.	Plant Equipment / Facility	Proposed Capacity	
		Configuration	Capacity
6.	DG Sets	2500 KVA (1 x 2500 KVA or 2 x 1000 KVA & 1 x 500 KVA or 1 x 1000 KVA, 2 x 500 KVA & 2 x 250 KVA)	2500 KVA

28.1.8 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

S. No.	Raw Material	Requirement (Million TPA)	Source	Distance (km)	Mode of Transportation
1.	Limestone	2.25	Kondhala Limestone Mine of Shree Cement Ltd.	Adjacent to the Plant Site	Covered Conveyor belt
2.	Iron Ore	0.0225	Nearby Area	~100 to 500 km	Rail / Road
3.	Bauxite	0.066	Nearby Area	~ 100 to 500 km	Rail / Road
4.	Gypsum (Mineral, Synthetic, Chemical & Imported)	0.245	Proposed in-house Sy. Gypsum Plant and Imported Gypsum through Coromandel-Vizag, Hindalco Dahej, NTPC Solapur FGD etc.	~500 to 950 Km	Rail / Road
5.	Fly ash	1.225	Rattan India Amravati, GMR Warora, Sai Wardha Power, Vidarbha Ind (Reliance, Butibori), Chandrapur Thermal plant etc.	~ 5 to 320 km	Road
6.	Slag	1.925	Sunflag Iron, Uttam Galva, Ghugus etc.	~ 180 to 320 km	Road

Fuel Requirement is as below:

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
For Cement Plant							
1.	Indian & Imported Coal (As an alternative source of fuel)	0.225	<i>Indigenous Coal:</i> Nearby Coal Mines	4200-4800	30-35	0.4-0.5	Local area ~20 to 100 km by Road
			<i>Imported Coal:</i> USA, South Africa, Australia and Indonesia through Vizag Port	5000-5800	6-10	0.5-0.6	Vizag Port ~840 km by Road/Rail

S. No.	Name of Feed Stock	Quantity (Million TPA)	Source	Calorific Value (Kcal/kg)	Ash (in %)	Sulphur (in %)	Distance & Mode of Transportation
2.	Petcoke as feed stock	0.15	Petcoke USA / Saudi Arabia / Turkey / Canada through Vizag Port etc.	7800 - 8300	0.5-2	6-9	Vizag Port ~840 km by Road/Rail
3.	Dolochar	0.15	Nearby Sponge Iron Plant	2500-2700	68.18	0.32	~100 to 300 km by Road
4.	Biomass	0.19	Nearby Agriculture Fields	2300-2500	5- 29	0.15 - 0.22	~100 km by Road

For Captive Power Plant

1.	100% Indian Coal	0.225	Indigenous Coal: Nearby Coal Mines	4200-4800	30-35	0.4-0.5	Local Area ~20 to 100 km by Road/Rail
2.	100% Imported Coal	0.12	USA, South Africa, Australia and Indonesia through Vizag Port	5000-5800	6-10	0.5-0.6	Vizag Port ~840 km by Road/Rail
3.	Biomass	0.26	Nearby Agriculture fields	2300-2500	5- 29	0.15 - 0.22	~100 km by Road
4.	Limestone	0.06	Captive Limestone Mine or Open Market	-	-	-	Nearby Plant through belt conveyor/ ~100 km by Road

28.1.9 The water requirement for the project is estimated as 1368 m³/ day; which will be obtained from the sourced from Ground water, (mine pit water based on the availability). Application has been submitted to the Central Ground Water Authority (CGWA) vide Application No. IND/MH/2026/1128 on 3rd February, 2026 for withdrawal of groundwater. The Proposal has been recommended for the Ground water withdrawal NOC dated 01st April, 2026.

28.1.10 The power requirement for the project is estimated as 28.2 MW, which will be obtained from the Proposed CPP (20 MW), WHRS (9.5 MW), State Grid and DG Sets (for emergency backup). Permission will be obtained from concerned authority while initiate the project at site.

28.1.11 Baseline Environmental Studies:

Period	Post - Monsoon Season (Oct., 2024 to Dec, 2024)
AAQ parameters at 13 Locations (min and max)	PM10 - 39.5 to 80.1 µg/m ³ PM2.5 - 20.3 to 50.6 µg/m ³ SO2 - 4.2 to 14.5 µg/m ³ NO2 - 8.2 to 24.2 µg/m ³ CO - (BDL) to 0.84 mg/m ³
Incremental GLC Level	PM10 - 1.73 µg/m ³ at within the Plant Site in SW direction PM2.5 - 0.69 µg/m ³ at within the Plant Site in SW direction SO2 - 1.62 µg/m ³ at within the Plant Site in SW direction NO2 - 2.32 µg/m ³ at within the Plant Site in SW direction CO - 0.00411 mg/m ³ at within the Plant Site in SW direction

Ground water quality at 09 locations	pH - 7.05 to 7.77 Total Hardness - 225.8 to 632.4 mg/l Chlorides - 27.68 to 243.7 mg/l Fluoride - 0.49 to 0.84 mg/l Iron - 0.29 to 0.96 mg/l																				
Surface water quality at 4 locations	pH - 7.69 to 8.05 DO - 6.7 to 7.1 mg/l BOD - 1.2 to 4.6 mg/l COD - 6.4 to 13.0 mg/l																				
Noise levels Leq (Day and Night) at 12 Locations	46.1 to 54.2 Leq dB (A) at day time and 38.3 to 44.6 Leq dB (A) at night time																				
Traffic assessment study findings	• Traffic study has been conducted at NH - 347 A which approximately 3.0 km in East direction from the plant site. • Transportation of raw material, fuel & finished product will be done as given below - ✓ Limestone - via Covered Belt Conveyor from Captive Limestone Mine ✓ Iron Ore - 50% by Road & 50 % by Rail ✓ Bauxite - 50% by Road & 50 % by Rail ✓ Gypsum (Mineral, Synthetic, Chemical & Imported) - 50 % by Road & 50 % by Rail ✓ Fly ash - 100% by Road ✓ Slag - 100 % by Road ✓ Indian & Imported Coal - 50 % by Road & 50 % by Rail ✓ Petcoke as feed stock - 50 % by Road & 50 % by Rail ✓ Dolochar - 100 % by Road ✓ Biomass - 100 % by Road ✓ Cement - 50 % by Road & 50 % by Rail • Existing PCU is 306.99 PCU/hr on NH - 347 A and existing level of service (LOS) is A. <table><tr><th>Road</th><th>V (Volume in PCU/hr.)</th><th>C (Capacity in PCU/hr.)</th><th>Existing V/C Ratio</th><th>LOS</th></tr><tr><td>NH-347A</td><td>306.99</td><td>2900</td><td>0.10</td><td>A</td></tr></table> * Note - Capacity as per IRC: 106-1990 Guideline for capacity of roads. PCU load after proposed project will be 424.88 PCU/hr (Existing) + 117.89 PCU/hr (Additional) and level of service (LOS) will be “A”. <table><tr><th>Road</th><th>V (Volume in PCU/hr.)</th><th>C (Capacity in PCU/hr.)</th><th>Existing V/C Ratio</th><th>LOS</th></tr><tr><td>NH-347A</td><td>306.99+117.89 = 424.88</td><td>2900</td><td>0.14</td><td>A</td></tr></table> * Note - Capacity as per IRC: 106-1990 Guideline for capacity of roads. Conclusion: The level of service is “A” i.e., Excellent after including the additional traffic due to the proposed project.	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS	NH-347A	306.99	2900	0.10	A	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS	NH-347A	306.99+117.89 = 424.88	2900	0.14	A
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS																	
NH-347A	306.99	2900	0.10	A																	
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Existing V/C Ratio	LOS																	
NH-347A	306.99+117.89 = 424.88	2900	0.14	A																	

Flora and fauna	Nine Schedule - I species Indian Leopard (<i>Panthera pardus</i>), Tiger (<i>Panthera tigris</i>), Sambar Deer (<i>Rusa unicolor</i>), (Wild dog (Dhole) <i>Cuon alpinus</i>, Jungle Cat (<i>Felis chaus</i>), Gaur-Bison (<i>Bos gaurus</i>), Indian Crested Porcupine (<i>Hystrix indica</i>), Indian Peafowl (<i>Pavo cristatus</i>), Grey Junglefowl (<i>Gallus sonneratii</i>) were recorded in the study area during field survey; which are categorized as Schedule - I fauna according to Wildlife (Protection) Amendment Act, 2022. Wildlife Conservation plan for Schedule - I have been prepared with allocation of 4.85 Crores and submitted to Divisional Forest Officer, Chandrapur Division, Chandrapur. Earlier, Divisional Forest Officer, Chandrapur Division has been forwarded the WLCP to The Chief Conservator of Forest (CCF) Chandrapur Division dated 10th March, 2026. Now, The Chief Conservator of Forest (CCF) Chandrapur Division has forwarded the WLCP to Principle Chief Conservator of Forest (PCCF), Chandrapur Division, Chandrapur for further approval dated 20th March, 2026.

28.1.12 The details of solid waste generation along with its mode of treatment/disposal is furnished as below:

S. No	Type of Waste	Source	Quantity	Mode of Treatment/disposal
Non- Hazardous Solid Waste				
1.	SW	APCE	Dust ~220 TPD	Dust collected from various APCEs will be totally recycled into the process.
2.	SW	CPP	Fly ash ~98.40 TPD	100 % fly ash will be used in cement manufacturing process
3.	SW	STP	STP Sludge ~2 Kg/day ~0.002 TPD	Used as manure for greenbelt development & plantation
4.	Dry	Plant	Bottles, paper, cans, textile, etc. ~48 Kg/day	Non-degradable waste scientifically in compliance of Solid Waste Management rules 2016. Non-biodegradable waste will be sold to authorized recycler.
	Wet		Kitchen and canteen/ Green waste ~72 kg / day	Bio-degradable waste will be converted into organic manure by installation of Organic Waste Converter (OWC) machine and manure will be used for greenbelt development & plantation.
5.	SW	Project Site	~2050 Tonnes/Annum	There is no demolition waste in project site. However, during construction phase some quantity of construction waste will be generated, which will be disposed-off within site for site levelling, road construction & paving.
6.	SW	Plant	Damaged cement packing bags ~5250 Tonnes/Annum	Will be sold to authorized vendors/used in Co-processing in Kiln after getting permission from MPCB.
7.	HW	Different sections	Used Oil (Cat 5.1), ~70 KL/Annum	Will be sold to SPCB/CPCB registered/Authorized recycler and

S. No	Type of Waste	Source	Quantity	Mode of Treatment/disposal
			Used Oil	used in Kiln as co-processing as per Hazardous Waste Management Rules, 2016.
			~2.0 Tonnes / Annum Grease & Waste residue (contaminated cotton rags) containing oil	
			Empty barrels/ containers/ liners ~ 120 Nos./Annum	Will be sold to MPCB/CPCB registered recycler as per Hazardous Waste Management Rules, 2016.
			Used Lead Acid Batteries ~50 Nos./Annum	Will be sold to MPCB/CPCB registered recycler as per Batteries (Management & Handling) Rules, 2001.
			E- Waste ~0.125 Tonnes/annum	Will be sold to vendors as per E-Waste Management Rules, 2016.

28.1.13 Public Consultation:

Details of advertisement given	Public Hearing Notice published in Newspapers 'Hitwada' and 'Lokant' dated 25 th November, 2025
Date of Public Consultation	29 th December, 2025 at 11:00 AM
Venue	At Project site, S. No.128/1, In between Nimsada - Kondhala road via Nimsada village, Village - Kondhala, Tal. Warora, Dist: Chandrapur, Maharashtra.
Presiding Officer	Dr. Nitin Vyavhare, Additional District Magistrate, Chandrapur and Chairman, Environment Public Hearing Committee.
Major issues raised	Employment, Land, Health Related, Socio Economic, Environment & Pollution, Education, Skill development, Water Related and Greenbelt and Plantation

Action Plan as per OM dated 30.09.2020

The company has allocated Rs. 2100 Lakhs (21.0 Crores) to address the issues raised during the public hearing and Rs. 500 Lakhs (5.0 Crores) for the model development. The total Rs. 2600 Lakhs (26 Crores) has been allocated by the company for the public hearing action plan.

Proposed Socio- economic Development Plan for Proposed Integrated Cement Plant

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
1	Employment Related	Setting up/ Support of skill development training center with help & support of Gram panchayat of respective village to Providing job-oriented training programs for unemployed youth. Vocational training (tailoring, goat farming, dairy farming, beauty Parlor, etc.) and guidance camps for loans and subsidies will be organized for women's self-help groups.	Kondhala	70	Dahegaon	70	Belgaodesh	70	210
		Gram panchayat of respective village to setup microenterprise s under company’s entrepreneurship development programs & also some provision for differently abled persons in employment as per their qualification.	Nimsada	40	Kondhala	40	Belgaodesh	40	120

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2 nd Year		3 rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
2	Education Related	Construction/R enovation of Classroom, ground for cultural activities, Sanitation facilities of government school buildings & School bus for students of nearby villages.	Dongargao n & Kondhala	70	Belgaondes h & Nimsada	70	Atmurdi & Dahegaon	45	185
		Upgrade the classrooms in Smart classes by Installation of computers, projector and wifi facilities in the Government schools to promote Digital education	Kondhala	20	Nimsada & Dahegaon	20	Majra Rai & Atmurdi	20	60
		Sports activities by providing Sports Kit to schools (cricket kit / Table Tennis / basketball / badminton kit etc) and support local youths / sports club for organizing the sports events in the area	Kondhala & Chinora	14	Nimsada & Mohabala	14	Dahegaon & Chinora	14	42
		STEM (Science, Technology, Engineering and Mathematics) Learning by	Kondhala	10	Nimsada	10	Dahegaon	10	30

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2 nd Year		3 rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		support to setting up Science Labs in Govt Schools							
		Provide the Scholarships for meritorious and underprivileged students. Develop Anganwadi centres, and also provide free notebooks, textbooks, uniforms, school bags, and stationery to students every year.	Kondhala	14	Dahegaoan	14	Nimsada	14	42
		Development of Libraries in nearby Govt. Schools in consultation and support of Gram Panchayat/ concerned authorities	Nimsala & Kondhala	20	Dahegaon & Belgaondes h	20	Chinora & Dongargao n	20	60
		Developing the Playground along with sitting up the necessary arrangement, Volleyball Poll with net and Football goal post and Cricket Pitch with the consultation of Gram Panchayat	Kondhala	10	Nimsada	10	Dahegaoan	10	30

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2 nd Year		3 rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
3	Environment Related	Conservation and plantation of indigenous trees and Avenue plantation at internal roads with the consultation of Gram Panchayat	Kondhala & Dongargao n	10	Nimsada & Belgaondes h	10	Dahegaon & Naideo	10	30
		Support to Gram Panchayat for Development of Grazing/ pasture land with support of gram panchayat	Kondhala	10	Dahegaon	10	Nimsada	10	30
4	Health Related	Support to provide the infrastructure facilities to healthcare centers/ dispensary and provide first aid kits in schools & community centers and facilities for free health checkups in consultation of Gram Panchayat	Kondhala	25	Nimsada	25	Dahegaon	25	75
		Support for renovation of primary health centres, and providing Medical Instruments to the Govt. Hospitals such as x – ray	Dahegaon & Belgaondes h	40	Kondhala & Dongargao n	40	Nimsada & Yensa	40	120

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		machines, ECG machines, Maternity facilities, Tonometer & Phoropter for eye check-up, Otoscope for ear Check-up as per requirement.							
		Ambulance facility in nearby village	Kondhala and Nimsada	20	Dahegaon and Belgaondes h	10	Dongargao n and Atmurdi	10	40
		Strengthening of Angwandai's & providing health facilities.	Kondhala & Nimsada	14	Dahegaon & Belgaondes h	14	Chinnora & Dongargao n	14	42
		A regular and systematic free health check-up program for the villagers will be conducted to monitor their overall health, identify any emerging health issues and provide necessary treatments or preventive measures	Kondhala & Dongargao n	10	Nimsada & Yensa	10	Dahegaon & Belgaondes h	10	30
		Support to Gram Panchayat for Installation of various public boards & posters to create awareness regarding communicable	Nimsala & Kondhala	5	Dahegaon & Belgaondes h	4	Nimsada & Yensa	5	14

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		diseases & public hygiene							
5	Water Related	Installation of RO/UV Plants to provide safe drinking water at Villages with the consultation of local Gram Panchayat	Kondhala & Atmurdi	30	Dahegaon & Belgaondes h	30	Nimsada & Yensa	30	90
		Deepening & beautification of existing ponds and facilitate the water harvesting facility & water conservation Measures in the area with the consultation of local Gram Panchayat	Dahegaon & Belgaondes h	10	Kondhala & Atmurdi	10	Nimsada & Yensa	10	30
		Supply of water through water tankers in nearby Villages with the consultation of local Gram Panchayat	Kondhala & Nimsada	20	Dahegaon & Dongargao n	20	Belgaodesh & Atmurdi	20	60
		Restoration of Water ponds / percolation tanks by desilting, clearing the water paths, strengthening the banks etc., and Development of wells and	Dahegaon & Dongargar h	25	Kondhala & Nimsada	15	Belgaodesh & Atmurdi	15	55

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		stepwells with the consultation of local Gram Panchayat							
6	Agriculture Related	Organize the Training and awareness programmes on mixed farming development with the consultation of local Gram Panchayat	Kondhala & Belgaondes h	10	Nimsada & Dongargao n	10	Dahegaon & Atmurdi	10	30
		Distribution of good quality seeds to farmers, encouragement for organic farming, linkage of farmers to the source to get Organic materials and fertilizers	Belgaodesh & Atmurdi	20	Kondhala & Nimsada	20	Dahegaon & Dongargar h	20	60
		Provide water-efficient irrigation kits to farmers with the consultation of local Gram Panchayat	Kondhala	25	Nimsada	25	Dahegaon	25	75
7	Socio-Economic Development	Support to Gram Panchayt for Construction of cowshed and providing water facility for animals & Development of Fodder centre for animals.	Dongargao n & Atmurdi	30	Kondhala & Nimsada	30	Dahegaon & Belgaondes h	30	90

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 st Year		2 nd Year		3 rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		Support to Gram Panchayt for Construction and Strengthening of road network at nearby Villages.	Kondhala & Nimsada	100	Dahegaon & Belgaondesh	100	Dongargao n & Atmurdi	100	300
		Promotion of green energy infrastructure through Solar Street lights in the Villages	Kondhala & Nimsada	10	Dahegaon & Belgaondesh	10	Dongargao n & Atmurdi	10	30
		Support to Gram Panchayat to Construction of community hall.	Kondhala	40	Dahegaon	40	Nimsada	40	120
	Total			722		701		677	2100
NOTE: Nature of the activities & village can be interchanged from village to village may vary based on the outcome of need base analysis during the execution phase in coordination with local Gram Panchayat within the overall budget proposed here for Socio- Economic Development Plan.									

Proposed Action Plan for Model Village Development

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)									
S. No.	Particulars	Activities to be done	1 st Year		2 nd Year		3 rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
1.	Skill Development	Providing Job oriented skills training centre to unemployed youth (100 trainees)	Village Kondhala	5	Village Dahegaon	5	Village Nimsada	10	20
		Providing Trainings to farmers regarding conservation of water & Soil,	50 trainees / Covering all villages with	10	50 trainees / Covering all villages with	18	50 trainees / Covering all villages with focus on Village Dahegaon	10	38

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)									
S. No.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		vermicomposting etc. with the consultation of local Gram Panchayat	focus on Village Nimsada		focus on Village Kondhala				
		Support to Gram Panchayat for Creating Model Anganwadi (01 in each village)	Village Nimsada	10	Village Kondhala	20	Village Dahegaon	10	40
		Capacity Building and providing with tools for women empowerment under ODOP Scheme (One District One Product) & for the development of the self-help saving groups with the consultation of local Gram Panchayat	130 women covering all villages	6	130 all villages	6	130 women covering all villages	6	18
2.	Rural & Infrastructure Development	Providing of Solar Panels in the Government / Municipal / other public schools, hospitals and Dispensaries in nearby villages	Village Kondhala	8	Village Nimsada	8	Village Dahegaon	16	32
		Support for Infrastructural development in Govt Schools & in all 03 villages	Village Nimsada	12	Village Dahegaon	12	Village Kondhala	24	48
3.	Water Conservation	Training and awareness programs on water conservation will also be	Village Dahegaon	4	Village Kondhala	4	Village Nimsada	4	12

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)									
S. No.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		organized for the locals							
		Construction of Rainwater & roof-top Harvesting Structures with the consultation of local Gram Panchayat	Govt schools in Kondhala	12	Govt schools in Nimsada	24	Govt schools in Dahegaon	12	48
		Restoration of Water ponds / percolation tanks by desilting, clearing the water paths, strengthening the banks etc., and Development of wells and stepwells with the consultation of local Gram Panchayat	Village Kondhala	12	Village Dahegaon	6	Village Nimsada	6	24
4.	Education	Educational support to economically weaker students and help them for job-oriented skill development by providing training in skill development center.	Scholarship program for meritorious and economically weaker students in all 03 villages	10	Scholarship program for meritorious and economically weaker students in all 03 villages	10	Scholarship program for meritorious and economically weaker students in all 03 villages	10	30
		Support for sports activities by providing Sports Kits to schools (Cricket kit / Table Tennis / Basketball /	In all 03 villages	8	In all 03 villages	8	In all 03 villages	8	24

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)									
S. No.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		Badminton Kit etc) and support local youths / sports club for organizing the sports events in the area							
5.	Health and water	Organizing Medical Camps in all villages.	Covering all villages	20	Covering all villages	20	Covering all villages	20	60
		Infrastructure support for dispensary center and providing first aid kits in schools & community centers	Village Kondhala	10	Village Nimsada	10	Village Dahegaon	10	30
		Providing safe drinking water by providing RO facility in all 03 villages with the consultation of local gram panchayat	Village Kondhala	20	Village Nimsada	10	Village Dahegaon	10	40
		Installation of various public boards & posters to create awareness regarding communicable diseases & public hygiene with the consultation of local gram panchayat	Village Nimsada	3	Village Dahegaon	6	Village Kondhala	3	12
6.	Afforestation	Raising of Avenue Plantations and in Public/ Community	2500 Saplings covering all villages	8	2500 Saplings covering all villages	8	2500 Saplings covering all villages	8	24

Model Village Development Plan_ Vidarbha Cement Plant (Villages: Kondhala, Nimsada & Dahegaon)									
S. No.	Particulars	Activities to be done	1st Year		2nd Year		3rd Year		Tentative Budget (Rs. In Lakhs)
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		Areas with the consultation of local gram panchayat							
				158		175		167	500
Grand Total									500

28.1.14 The capital cost of the proposed project is Rs. 1737.2 Crores and the capital cost for Environmental Protection Measures is proposed as Rs. 167 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 3.4 Crore/ annum. The employment generation from the proposed project is about 870 persons (during Construction Phase) and 800 persons (during Operation Phase). The details of cost for environmental protection measures are as follows:

Sr. No.	Particulars	Capital Cost in Rs. Lakhs	Recurring Cost in Rs. Lakhs
1	Pollution Control during construction stage (Dust suppression, Wastewater treatment and Disposal, Roads, Monitoring, Muck disposal)	100.00	10.00
2	Air Pollution Control	15348.00	196.00
3	Water Pollution Control	350.00	65.00
4	Noise Pollution Control	80.00	3.00
5	Environmental Monitoring	406.00	29.00
6	Hazardous Waste Storage & Handling	50.00	5.00
7	Occupational Health & Safety	75.00	5.00
8	Greenbelt and plantation	105.83	10.00
9	Drip irrigation System & Water Sprinkling	20.00	2.00
10	RWH pond and Storm Water Management	100.00	10.00
11	Organic Waste Converter & Its Facilities	15.00	2.00
12	Others (Housekeeping and Municipal Waste Management)	50.00	3.00
Total		16700	340

28.1.15 Proposed greenbelt will be developed in 14.11 ha which is about 33.0 % of the total project area. Thus, total of 14.11 ha area (33.0 % of total project area) will be developed as greenbelt. A 15 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of 35275 saplings will be planted and nurtured in 14.11 hectares in 3 years.

28.1.16 It is reported that there is no violation under EIA, 2006/court case/show cause/direction related to the project under consideration.

28.1.17 **Compliance statement in line with G.S.R. 62(E) & 63(E) dated 23rd Jan. 2026**

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
Schools				
1.	Z.P.U.PRY. School kondhala	~1.40 Km	SSE direction	○ Avenue Plantation will be carried out around the boundary of the schools in the village ○ To mitigate both Dust and Noise generated due to the plant activities, Shree Cement Limited will develop 3 tier Greenbelt along the plant boundary towards Village. ○ Low noise compressors and blowers will be installed to minimize the noise level. ○ No waste water will be generated from cement manufacturing process. However, waste water generated from CPP and WHRS will be treated in neutralization pit and same will be reused in dust suppression and mill spray. Waste water generated from domestic use i.e. office toilets, canteen will be treated in STP and STP treated water will be reused for greenbelt and plantation purpose. Zero liquid discharge will be maintained from the premises. ○ Company will also explore the possibility of the railway in future to avoid road transportation. There will be reduction in the number of trucks after installation of railway siding which will turn out to be beneficial to the environment in terms of global CO2 emission reduction, reduction in GHG emission. ○ The industry will undertake CER / CSR activities for maintenance, plantation, drinking water, or sanitation for the development of schools. ○ Conduct regular health check-up camp for nearby communities, including school children (through CSR). ○ PUC certificate of all the vehicles will be ensured, and overloading will not be permitted.
2.	Zilla Parishad School, Dahegaon	~ 1.5 km	West direction	
3.	Z.P. PRY. School Aatmurdi	~2.5 Km	North direction	
4.	Z.P. PRY. School Naydeo	~2.9 Km	SSW direction	
Habitation				
1.	Village Kondala	~ 1 km	NNE direction	○ 2 nos. Fog canon system will be provided to suppress dust emission in raw material handling area. ○ Water Sprinkling system will be installed at the internal roads to control fugitive emission ○ Transportation of raw material will be done
2.	Village Dahegaon	~1.4 Km	West direction	
3.	Village Nimsada	~1.3 Km	SE direction	

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
4.	Village Belgaon Desh	~ 2.5 km	North direction	through road via trucks covered by tarpaulin. - Extensive Plantation along village roads and community land shall be undertaken to prevent air and noise pollution. Dust-tolerant, native tree species with thick foliage to act as a pollution barrier. 42 Nos. Bag filter at Clinkerization Pyro Plant - 41 Nos. Bag filter at Cement Mill and 05 Nos. Bag filter at CPP Boiler will be installed to control fugitive emission. - High efficiency bag houses will be provided at main process Raw material & Kiln section, Coal mill section and Cement mill section and high efficiency ESP will be provided at Cooler section and Captive Power plant. - Bag filters will be installed at all raw material transfer points & Silo top - Stack emission from all the stacks will be maintained within 30 mg/Nm3 - Internal roads will be concreted and cleaning of the same will be done through vacuum cleaning machines. - Dust collected from air pollution control equipment will be totally recycled in the process. - Fly ash will be received through closed bulkers & fed into silo through pneumatic system. - The packing machine will be equipped with dust extraction arrangement. - Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. - Monitoring of the emission level and ambient air quality will be done on continuous basis by installation of Continuous Emission Monitoring System at major stacks and Continuous Ambient Air Quality Monitoring Stations at plant boundary - Low NOx burners will be installed at kiln, calciner and captive power plant.
5.	Naideo	~ 2. 9 km	SSW direction	
Religious Places				
1.	Pathana Mandir	~1.4 Km	West direction	- Movement of heavy vehicles shall be regulated and speed limit shall be maintained near places of worship. - To mitigate both Dust and Noise generated due to the plant activities, company will develop 3 tier Greenbelt along the plant boundary.
2.	Shiv Mandir, Kondala	~1.2 Km	SSE direction	

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
Water Bodies				
1.	Seasonal Nala	Passing through the project site	NNW direction	○ No water body will be blocked due to any activities at the project site and free flow of water must be maintain. ○ During the construction and operation phase of the project the water body will not be disturbed in any case ○ The entire process in the proposed project is ZLD based therefore no discharge from the project site will be done into the nearby waterbodies to protect the natural water quality of the same. ○ Zero waste discharge standards must be implemented to prevent solid or liquid waste discharge within the waterbodies. ○ Storm water drains will be made. The drains will be properly aligned in conformity with the site drainage pattern. ○ Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. ○ Regular monitoring of groundwater and surface water quality will be done.
2.	Canal	Adjacent to the project site, However, passing through main gate area	-	
3.	Lendi Nala	0.7 km	NW direction	
4.	Daiwal Nadi	~1.5 km	West direction	
5.	Sonariya Nala	~2.0 km	ESE direction	
Reserved & Protected Forest Area				
1.	Shegaon RF	~ 5.5 Km	ESE direction	There is no forest area in close proximity of the plant site.
ASI Protected Site/ Heritage Site				
1.	None within the study area.			
National Park/ Wildlife Sanctuary/ Tiger Reserve				
1.	Tadoba – Andheri Tiger Reserve	~ 27 km	East direction	There is no forest area in close proximity of the plant site.

28.1.18 Compliance status of office memorandums issued by MoEF&CC is as follows:

S. No	Particulars	Applicability of OM	Compliance Status
1.	Land Acquisition	MoEF&CC O.M. dated 07.10.2014 and OM of MoEF&CC, New Delhi dated. 20 th Feb., 2025	The total land area for the proposed plant is 42.76 ha (105.68 Acres). Complete Land i.e. 42.76 ha (105.68 Acres) has been purchased in the name of Applicant Company (Shree Cement Limited).
2.	Presence of Stream/Nallah within Site	MoEF&CC Notification, G.S.R. 85(E) dated 30 th January 2025 and amended on 13 th Jan., 2026	Seasonal Nala is passing through the project site in NNW direction and Canal is Adjacent to the project site, However, passing through main gate area.

S. No	Particulars	Applicability of OM	Compliance Status
3.	Validity of ToR, Baseline Data and Public Hearing	F. No. IA3-22/10/2022-IA.III [E 177258] OM dated 08 th June 2022	Terms of Reference (ToR) Validity: The ToR was granted on 31st May, 2025 which is valid till 30th May, 2029. Baseline Environmental Monitoring: Baseline environmental monitoring has been conducted during the Post – Monsoon Season (Oct., 2025 to Dec., 2024). As per the provisions of OM dated 08th June 2022, the monitoring data remains valid for 3 years. Public Hearing: The Public Hearing was conducted on 29th December, 2025 at 11:00 AM at Project site, S. No. 128/1, in between Nimsada-Kondhala village, Village road via Nimsada village, village Kondhala, Tal: Warora, District: Chandrapur, Maharashtra. As per the provisions of OM dated 08th June 2022, the Public hearing is valid for 3 years.
4.	Certified Compliance Report (Complied CCR)	IA3-22/10/2022-IA.III [E 1772581] dated 08.06.2022	Not applicable, as this is a greenfield project.
5.	Details of any Inter-linked/Integrated project if any	F. No. J-11013/41/2006-IA. II(I) MoEF&CC O.M. dated 24/12/2010	To cater the required limestone of 2.25 Million TPA in Integrated Cement Project “Shree Cement Limited is proposing “Kondhala Limestone Block” (ML Area: 105.0 ha.) with Limestone Production Capacity of 2.25 Million TPA, Total Waste: 3.214 Million TPA, Top Soil: 0.022 Million TPA & ROM Rejects: 0.225 Million TPA (Total Excavation: 5.711 Million TPA) and total material handling: 6.711 Million TPA including Re handling of waste material: 1.0 Million TPA from proposed dumps and installation of Primary Crushers: 1200 TPH & 500 TPH and Secondary Crusher: 400 TPH along with Wobbler near Village: Kondhala, Taluka: Warora District: Chandrapur, Maharashtra. The project is also recommended for EC by SEIAA, Maharashtra Vide Proposal no. SIA/MH/MIN/571734/2026 via SEIAA MoM dated 16th April, 2026 and EC awaited.

S. No	Particulars	Applicability of OM	Compliance Status
6.	Involvement of Forest land if any. Status of FC land approval under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980	Ministry's O.M. dated 9/9/2011 & its subsequent amendments	Not Applicable as there is no forest land involved in the project. Approval in this regard has been obtained from Divisional Forest Officer, Chandrapur Forest Division, Chandrapur, Maharashtra vide letter no. Desk - 14/Survey/Land/2633 on dated 25 th Feb., 2026.
7.	Any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. within 10 km radius of project site. Whether applied for SCNBWL as per MoEF&CC O.M. dated 17/05/2022	MoEF&CC O.M. dated 17/05/2022	Not Applicable as there is no ESZ / ESA / National Park / Wildlife sanctuary / Biosphere reserve / Tiger reserve / Elephant reserve etc. within 10 km radius of project site.
8.	Critically Polluted Area/Severely Polluted a. Whether project located in CPA/SPA b. Distance of project from CPA/SPA c. Whether additional environmental safeguards have been proposed	MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022	Not Applicable The project does not fall within Critically or Severely Polluted Area.
9.	Deliberation on the commitments made by project proponent and requirements to address the concerned raised during the public consultation reg.	MoEF&CC OM No. 22-65/2017-IA.III dated 30/09/2020 & 25/02/2021	The company has allocated Rs. 26.0 Crores (including 5.0 crore for Model village development) for implementation of the commitments made during Public Hearing as per OM dated 30th September, 2020 & 20th Oct., 2020. The company has adopted Villages Nimsala (Nimsada), Kondhala and Dahegaon as Model Village under CER for overall development of the villages and allocated Rs. 5.0 crore for the model village development plan.

S. No	Particulars	Applicability of OM	Compliance Status
10.	Accreditation of EIA Consultant by Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET)	MoEF&CC OM No. J-11013/77/2004-IA-II(I) dated 30/09/2011	Complied. J.M. EnviroNet Pvt. Ltd. Registered EIA Consultant by NABET (QCI), (Certificate No. NABET/EIA/23-26/SA 0250; Valid till 07.08.2026)

Written submission by the PP:

28.1.19 During the meeting, based on the deliberations made by the EAC, the project proponent vide letter dated 21.05.2026 through email dated 21.05.2026 submitted the following information:

S.No.	Additional Information	Reply
1.	Site Specific Mitigation Measures for Environmental Sensitive Area (ESA) falling in 2 km radius of the Project site.	Specific Mitigation Measures for Environmental Sensitive Area (ESA) falling in 2 km radius of the Project site is submitted.
2.	Undertaking for Strengthening and widening of approach road.	Undertaking dated 21.05.2026 for strengthening and widening of approach road is submitted stating the following: As per the proposal; the existing approach road from Nation Highway - 337 A to Project Site is 3.5 meters wide, which will be further strengthened and widened to 15 meters in two phases (1st Phase - 7.5 m and 2nd Phase - 7.5 m), along with development of avenue plantation on both sides. The Company will ensure proper maintenance of the same in future in coordination with the concerned local bodies to support increased traffic load and safe transportation
3.	Site specific Environmental Management Plan (EMP)	The site-specific Environmental Management Plan is submitted.
4.	Details for Natural Farming	Company will organize the training and awareness programmes on Natural / Organic farming development in consultation with local Gram Panchayat. Distribution of good quality seeds to farmers, encouragement for organic farming, linkage of farmers to the source to get Organic materials and fertilizers.
5.	Details for the nearest CPA from the Project Site	The Nearest CPA from the project site are Tadeli MIDC (~39 km in SE direction), Guggus (~40 km in SSE direction, Chandrapur (~44 km in SE direction) and Ballarpur (~60.85 km in SE direction). Additionally, a distance certificate has been obtained from MPCB Vide Letter no. MPCB/SROC/1241/2026 dated 29 th January, 2026. Copy of letter and map showing distance and direction is submitted.

Deliberations by the Committee

28.1.20 The Committee noted the following:

- The instant proposal is for setting up of a Integrated Cement Plant for production of Clinker: 1.5 Million TPA; Cement: 3.5 Million TPA (OPC, PPC, PSC, SRC, RHPC & Composite Cement);

CPP: 20 MW; WHRS: 9.5 MW; Synthetic Gypsum: 1560 TPD (65 TPH) and DG Sets: 2500 KVA (1 x 2500 KVA or 2 x 1000 KVA & 1 x 500 KVA or 1 x 1000 KVA, 2 x 500 KVA & 2 x 250 KVA).

2. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
3. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
4. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
5. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
6. The Committee noted that the project is a greenfield proposal. Accordingly, SPCB furnished its comments based on the site visit carried out on 01.05.2026 stating that during visit open land without any construction activity except precast boundary wall to the cement plant premises was observed. The EAC apprised the proposal taking into consideration the comment of SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
7. The PP reported that total land area identified for the proposed plant is 42.76 hectares (105.68 acres), which is presently classified as private agricultural land. The entire land required for the project has already been acquired and is registered in the name of the project proponent, Shree Cement Limited. In terms of land use, the site is currently under agricultural use, and its conversion to industrial purposes is under process. The Change of Land Use (CLU) application has been submitted and is presently in progress, with initial approval reportedly accorded by the Collector's Office, Chandrapur, subject to final demarcation and completion of formalities. The EAC opined that PP shall complete conversion of land for industrial purpose prior to commencement of proposed project.
8. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearby habitations

include Village Kondala located at about 1.0 km in the NNE direction, Village Dahegaon at about 1.4 km towards the west, Village Nimsada at about 1.3 km in the southeast, Village Belgaon Desh at about 2.5 km in the north, and Naideo at about 2.9 km in the SSW direction from the project site. Educational institutions in the vicinity include Z.P. Primary School, Kondhala at approximately 1.40 km (SSE), Zilla Parishad School, Dahegaon at about 1.5 km (W), Z.P. Primary School, Aatmurdi at around 2.5 km (N), and Z.P. Primary School, Naydeo at about 2.9 km (SSW). Religious places such as Pathana Mandir (~1.4 km, W) and Shiv Mandir at Kondala (~1.2 km, SSE) are also present nearby. In addition, water bodies within the study area include a seasonal nala passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW), Daiwal Nadi at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE). Further, Shegaon Reserved Forest is located at a distance of about 5.5 km in the ESE direction. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.

9. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
10. It is observed that a seasonal nala passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW). In this regard, the project proponent has submitted a No Objection Certificate (NOC) from the Irrigation Department dated 12.03.2026 for diversion and management of the canal and local drains. As per the NOC, it has been observed that certain stretches of canal and local drains fall within the mining and plant boundary, for which diversion proposals are required to be prepared through competent institutions such as VNIT, Nagpur or CDO, Nashik and submitted for approval of the Regulatory Board. It has also been stipulated that necessary fees, wherever applicable, shall be deposited for land conversion. Further, while undertaking diversion or excavation, a minimum safety distance of 50 m from the canal/drain shall be maintained along with a slope of 1:1.5 to ensure stability, and no obstruction to natural drainage shall be caused, ensuring free flow of water at all times. The Irrigation Department has conveyed that it has no objection to the project subject to compliance with the stipulated conditions. The Committee, after detailed deliberation, noted the above and emphasized that the project proponent shall strictly adhere to the conditions stipulated in the NOC, particularly with respect to maintenance of safety distance, preparation and approval of diversion proposals, and ensuring uninterrupted natural drainage.
11. Further, Daiwal Nadi is at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE) along with other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the

natural drainage and its flow parameters; along with Soil conservation and Erosion control measures for all the water bodies.

12. PP reported that the proposed Integrated Cement Project is interlinked with the Kondhala Limestone Mine (Mining Lease Area: 105 ha) located near Village Kondhala, Taluka Warora, District Chandrapur, Maharashtra, which envisages production of 2.25 Million TPA of limestone along with installation of a 1200 TPH and 500 TPH primary crusher and a 400 TPH secondary crusher. The entire limestone requirement of 2.25 Million TPA for the cement plant shall be sourced from this captive mine. In this regard, the Terms of Reference (ToR) for the mine was uploaded on the PARIVESH portal on 29th November, 2024 and subsequently granted by SEIAA, Maharashtra on 29th April, 2025. The public hearing for the mining project was conducted on 31st December, 2025, and the application for Environmental Clearance (EC) was submitted to SEIAA, Maharashtra on 13th March, 2026. The proposal has been appraised in the 368th Meeting of SEAC (Part-A) and recommended for grant of EC. Further, the project has also been recommended for grant of Environmental Clearance by SEIAA, Maharashtra vide Proposal No. SIA/MH/MIN/571734/2026 as per minutes dated 16th April, 2026, and the Environmental Clearance is presently awaited. The EAC deliberated on the submission of PP and found it satisfactory. Further EAC opined that the requisite permissions shall be obtained to maintain the raw material security for the proposed plant. The Committee further noted the proposal of the project proponent to transport limestone through a closed conveyor belt system from the captive mine to the plant and opined that the same is a desirable measure to minimize fugitive emissions and reduce vehicular movement.
13. The water requirement for the project is estimated as 1368 m³/ day; which will be obtained from the sourced from Ground water, (mine pit water based on the availability). The EAC opined that the PP shall secure the required approval from the appropriate authority. Further, the Committee emphasized that the project proponent shall explore alternative sources of water to minimize dependency on groundwater. The project proponent shall also undertake a comprehensive and periodic assessment of water drawal and availability to monitor the groundwater regime and ensure that the water table is not adversely impacted.
14. The Committee also deliberated on the public hearing issues, and the socio-economic Development plan, with allocation of Rs. 26 crores for implementation of the commitments made during Public Hearing and found it satisfactory.
15. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
16. The PP reported that greenbelt will be developed in 14.11 ha which is about 33 % of the total project area. Total no. of 35275 saplings will be planted and nurtured in 3 years. The EAC deliberated on the greenbelt action plan and is of the opinion that 33% greenbelt shall be developed as per the commitment, within a period of 2 years and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.

17. The Committee deliberated upon the submission made by the project proponent regarding strengthening and widening of the approach road. It was noted that the PP has submitted an undertaking dated 21.05.2026 for strengthening and widening of the existing approach road connecting the highway to the project site. As per the submission, the existing road of about 3.5 meters width from the highway (NH-337A) to the project site will be widened to 15 meters in two phases (7.5 m each), along with development of avenue plantation on both sides. The Committee further noted the commitment of the PP to maintain the road infrastructure in coordination with local authorities to cater to the increased traffic load due to project activities. The Committee emphasized that the proposed road development and maintenance measures shall be implemented in a time-bound manner, ensuring minimal impact on local communities and traffic movement.
18. PP reported that company will organize the training and awareness programmes on Natural / Organic farming development in consultation with local Gram Panchayat. They will undertake distribution of good quality seeds to farmers, encouragement for organic farming, linkage of farmers to the source to get Organic materials and fertilizers. The EAC appreciated the initiative and emphasized that the same shall be implemented in a structured and time-bound manner with measurable outcomes, continuous community engagement, and proper documentation, noting that such measures would support sustainable livelihood development in the project area.
19. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
20. The EAC deliberated on the other written submission of the project proponent and found it satisfactory.
21. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
22. The EAC also deliberated on written submission of the project proponent and found it satisfactory.
23. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
24. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
25. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In

view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

- 28.1.21 In view of the foregoing and after detailed deliberations, the committee **recommended** the instant proposal under the provisions of EIA Notification, 2006 for grant of Environment Clearance **subject to uploading of written submission placed before EAC on PARIVESH portal**. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions are mentioned below:

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. PP shall complete the conversion of land for industrial purpose prior to commencement of proposed expansion project.
- v. Nearby habitations include Village Kondala located at about 1.0 km in the NNE direction, Village Dahegaon at about 1.4 km towards the west, Village Nimsada at about 1.3 km in the southeast, Village Belgaon Desh at about 2.5 km in the north, and Naideo at about 2.9 km in the SSW direction from the project site. Educational institutions in the vicinity include Z.P. Primary School, Kondhala at approximately 1.40 km (SSE), Zilla Parishad School, Dahegaon at about 1.5 km (W), Z.P. Primary School, Aatmurdi at around 2.5 km (N), and Z.P. Primary School, Naydeo at about 2.9 km (SSW). Religious places such as Pathana Mandir (~1.4 km, W) and Shiv Mandir at Kondala (~1.2 km, SSE) are also present nearby. In addition, water bodies within the study area include a seasonal nala passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW), Daiwal Nadi at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE). Further, Shegaon Reserved Forest is located at a distance of about 5.5 km in the ESE direction along with other sensitive features within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship,

educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.

- vi. Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
- vii. The project proponent shall comply with the conditions stipulated in the NOC dated 12.03.2026 issued by the Irrigation Department, including obtaining necessary approvals for diversion of canal/drains, maintaining stipulated safety distance, and ensuring uninterrupted natural drainage and free flow of water at all times.
- viii. Seasonal nala is passing through the project site (NNW direction), a canal adjacent to and passing through the main gate area, Lendi Nala at about 0.7 km (NW), Daiwal Nadi at approximately 1.5 km (W), and Sonariya Nala at around 2.0 km (ESE) along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented for all the water bodies.
- ix. PP shall ensure that the requisite permissions are obtained to maintain the raw material security for the proposed plant. The project proponent shall implement a closed conveyor belt system for transportation of limestone from the captive mine to the plant in a time-bound manner, subject to obtaining necessary statutory approvals.
- x. The water requirement for the project is estimated as 1368 m³/ day; which will be obtained from the sourced from Ground water, (mine pit water based on the availability). PP shall secure the required approval from the appropriate authority. PP shall also explore alternative sources of water to minimize dependency on groundwater. The project proponent shall also undertake a comprehensive and periodic assessment of water drawal and availability to monitor the groundwater regime and ensure that the water table is not adversely impacted.
- xi. Green Belt shall be developed and maintained in the 33% of project area, as committed and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop within a period of two years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- xii. The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (<https://merilife.nic.in>).
- xiii. The project proponent shall undertake strengthening and widening of the existing approach road from NH-337A to the project site from the present width of approximately 3.5 m to 15 m in a phased manner, along with development of avenue plantation on both sides. The PP shall ensure proper maintenance of the road in coordination with local authorities to manage increased traffic due to project activities. The implementation of the road development plan shall be completed in a time-bound manner, ensuring minimal disturbance to local communities and smooth traffic movement.
- xiv. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of

the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 26 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (*such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill*). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.

- xv. PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
- xvi. The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
- xvii. PP shall Install CO sensors with alarms at strategic locations in the Plant.
- xviii. PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
- xix. PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
- xx. The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
- xxi. The project proponent shall implement training and awareness programmes on natural/organic farming in consultation with the local Gram Panchayat, including distribution of quality seeds, promotion of organic farming practices, and facilitation of linkages for procurement of organic inputs, as committed. The activities shall be carried out in a structured and time-bound manner with measurable outcomes.

- xxii. PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
- xxiii. PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.

- x. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xi. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
- xiii. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xiv. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xv. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xvi. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xvii. Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.
- xviii. The emission norms applicable for the cement plant shall be adhered to.
- xix. Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
- xx. DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm³ by using best available technology.
- xxi. Petcoke dosing shall be controlled automatically to control SO₂ emission from chimney within the prescribed limits.
- xxii. PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
- xxiii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- xxiv. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxv. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time

according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. Air Cooled condensers shall be used in the captive power plant.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- iii. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

V. Energy Conservation measures

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas.
- iii. The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- iv. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
- v. Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
- vi. Waste heat recovery system shall be provided for kiln and cooler.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.

- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility

(CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Agenda No. 28.2

28.2 Expansion of Integrated Steel Plant from 0.4785 MTPA to 0.9285 MTPA finished steel products (0.466 MTPA to 2.012 MTPA crude steel) and area expansion from 38.68 Ha to 84.021 Ha by M/s Kalyani Ispat Limited, located at Villages: Kopedih, Tehsil : Anjora, District: Rajnandgaon, Chhattisgarh-Consideration of EC.

[Proposal no.: IA/CG/IND1/563492/2026; File No. IA-J-11011/1172/2007-IA-II (IND-I)]
[Consultant: Min Mec Consultancy Private Limited; Valid upto: 30.03.2028]

28.2.1 M/s. Kalyani Ispat Limited has made an online application vide proposal no. IA/CG/IND1/563492/2026 dated 20.04.2026 along with copy of EIA/EMP report, Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(a) Metallurgical Industries (Ferrous and non-ferrous), 2(a) Coal Washeries, 2(b) Mineral Beneficiation, 3(b) Cement Plants, 4(b) Coke Oven Plants and 1(d) Thermal Power Plants, under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

28.2.2 Name of the EIA consultant: M/s. Min Mec Consultancy Private Limited [List of ACO's with Accreditation Certificate/Extension Letter No.: NABET/EIA/25-28/RA 0399; valid till 30.03.2028].

Details submitted by Project proponent

28.2.3 The details of the ToR are furnished as below:

Date of application	Consideration	Details	Date of accord	ToR Validity
15.11.2024	71st EAC Meeting of the Industry-1, held on 19.12.2024	Terms of Reference	13.01.2025	12.01.2029

28.2.4 The project of M/s Kalyani Ispat Limited located in Kopedih and Anjora Villages, Rajnandgaon Tehsil, Rajnandgaon District, Chhattisgarh State is for expansion of integrated Steel Plant from 0.4785 MTPA to 0.9285 MTPA finished steel products (0.466 MTPA to 2.012 MTPA crude steel) and area expansion from 38.68 Ha to 84.021 Ha.

28.2.5 Details of EDS:

Sl. No.	Details of EDS sought by Ministry	Reply of PP
1	The CCR mentions non-compliances, hence, PP may upload the ATR Review Report from RO. It may be updated whether IA CMD has taken cognizance of the issue.	The "Certified Compliance report (CCR)" was received from the IRO, Raipur vide letter F. No. IRO-RPR/ENV/IND/03/2025/121 dated 22.12.2025. The "Action Take Report (ATR)" was submitted by us vide letter no. KIL/ MOEF/ 25-26/ dated 09.01.2026. In response to the same a "Review of the action taken report" was issued by RO, MOEF&CC, Raipur vide letter no. IRO-RPR/Env/Ind/03/2025/155 dated 25.03.2026 wherein IRO, MOEF&CC Raipur has made the remark that observations are being complied. Copy of letter of "Review of the action taken report" dated 25.03.2026 is enclosed as Annexure 1 to uploaded EDS reply letter.
2	PP may submit NOC of WRD in respect of water bodies within/ adjacent to the plant.	We wish to submit that existing nalas will not be disturbed and the storm water drainage system of the plant will be constructed along the internal roads of the plant. The Water Resources Department has granted NOC for culvert construction vide letter no. 1903/Work/2025 dated 26.06.2025. Copy enclosed as Annexure 2 to uploaded EDS reply letter.
3	PP may update the manner in which the concerned on public are addressed in PH action plan, in light of opposition	Public Hearing was held as per the guidelines and EIA Notification of 14.09.2006 by CECB. Public hearing was held to receive suggestions/ comments/ objections, etc. from the people regarding proposed project. During public hearing total speakers were 107 out of which 22 were in opposition, few of whom were conditionally opposed subject to fulfillment of their demands. The various points raised in the public hearing have been addressed in the public hearing action plan uploaded in Form C and included in Table 7.14 of Chapter 7. The same is enclosed again in Annexure 3 to uploaded EDS reply letter. In addition, the Company will put complaint box at

Sl. No.	Details of EDS sought by Ministry	Reply of PP																
		the entry gate of the plant and project head will review the complaints received daily and endeavour to find the solutions.																
4	PP has proposed clearance of 107 trees (including transplantation of 45 trees) over 0.15 ha, hence, it is requested to submit details and copy of permission obtained from the State Forest Department / other competent authority for tree cutting and transplantation, along with a detailed plan	The tree cutting felling permission has been obtained from Sub division officer (revenue) vide letter no. 303 dated 24.02.2026. Copy enclosed as Annexure 4 to uploaded EDS reply letter.																
5	PP needs to submit a compliance statement w.r.t. land involved in the project, as per the OM dated 07-10-2014, as amended in February-2025. The supporting documents may be suitably referenced and uploaded.	The land acquisition status is as follows: <table><tr><th>Descripti on</th><th>Under poss ession, in h a</th><th>Under pr ocess, in ha</th><th>Total, in h a</th></tr><tr><td>Existing</td><td>38.68</td><td>0</td><td>38.68</td></tr><tr><td>Proposed</td><td>40.12</td><td>5.221</td><td>45.341</td></tr><tr><td>Total</td><td>78.80</td><td>5.221</td><td>84.021</td></tr></table> The affidavit regarding land owned by the Company is given in Annexure 5 to uploaded EDS reply letter along with the land conversion document. Balance 5.221 ha under process of directly purchase on mutual agreed rate and shall be completed before commencement of construction on that land.	Descripti on	Under poss ession, in h a	Under pr ocess, in ha	Total, in h a	Existing	38.68	0	38.68	Proposed	40.12	5.221	45.341	Total	78.80	5.221	84.021
Descripti on	Under poss ession, in h a	Under pr ocess, in ha	Total, in h a															
Existing	38.68	0	38.68															
Proposed	40.12	5.221	45.341															
Total	78.80	5.221	84.021															
6	Balance 7.983 ha under process of directly purchase on mutual agreed rate and shall be completed before commencement of construction on that land.	The consultant details are visible in the online form (preview link - https://parivesh.nic.in/newupgrade/#/report/ec?proposalId=1210653428&legacyApplicationId=0) at the end of form 1 Part A																

28.2.6 Environmental Site Settings:

Sl. No.	Particulars	Details	Remarks
i.	Total Land	Total 84.021 ha, [Private land 82.986 ha; Govt land: 1.035 ha] Existing land : 38.680 ha Proposed additional land : 45.341 ha Total : 84.021 ha	Land use: Industrial, agricultural, non forest government uses
ii.	Land acquisition details as per	Under possession : The existing 38.680 Ha land is under the possession of the company.	Break up of land and its lease/ LOI/ Consent/

Sl. No.	Particulars	Details	Remarks																																																
	MoEF&CC O.M. dated 7/10/2014	Out of balance 45.341 ha, 40.12 ha is under possession and 5.221 ha is under process. 93.8% of total land already in possession	Possession details/ Land conversion details needs to be included: The affidavit regarding land owned by the Company is submitted																																																
iii.	Existence of habitation & involvement of R&R, if any.	Project Site : No habitation, no displacement Study Area : nearest : <table><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td>Kopedih</td><td>0.7 km</td><td>SW</td></tr><tr><td>Anjora</td><td>1 km</td><td>SE</td></tr></table>	Habitation	Distance	Direction	Kopedih	0.7 km	SW	Anjora	1 km	SE	Status of R&R: Not applicable since land is being directly purchased from owners at mutually agreed terms and conditions																																							
Habitation	Distance	Direction																																																	
Kopedih	0.7 km	SW																																																	
Anjora	1 km	SE																																																	
iv.	Latitude and Longitude of all corners of the project site.	<table><tr><th>Point</th><th>Latitude (N)</th><th>Longitude (E)</th></tr><tr><td>North Most</td><td>21°10'15.87"N</td><td>81°12'3.80"E</td></tr><tr><td>East Most</td><td>21°10'2.24"N</td><td>81°12'18.01"E</td></tr><tr><td>South Most</td><td>21° 9'36.97"N</td><td>81°11'47.12"E</td></tr><tr><td>West Most</td><td>21° 9'52.53"N</td><td>81°11'31.84"E</td></tr></table>	Point	Latitude (N)	Longitude (E)	North Most	21°10'15.87"N	81°12'3.80"E	East Most	21°10'2.24"N	81°12'18.01"E	South Most	21° 9'36.97"N	81°11'47.12"E	West Most	21° 9'52.53"N	81°11'31.84"E	Measured from google earth KML. List of all coordinates of boundary is submitted.																																	
Point	Latitude (N)	Longitude (E)																																																	
North Most	21°10'15.87"N	81°12'3.80"E																																																	
East Most	21°10'2.24"N	81°12'18.01"E																																																	
South Most	21° 9'36.97"N	81°11'47.12"E																																																	
West Most	21° 9'52.53"N	81°11'31.84"E																																																	
v.	Elevation of the project site	318 to 329 m above mean sea level.	Based on Google Earth.																																																
vi.	Involvement of Forest land if any.	No forest land is involved in the project area.																																																	
vii.	Water body exists within the project site as well as study area	Project site: Seasonal Minor Drain, Branch Canal. No pond is there. One seasonal stream with its first order tributary passes through site as per toposheet but its channel is not well developed on ground. Study area <table><tr><th>Sl. No.</th><th>Water body</th><th>Distance</th><th>Direction</th></tr><tr><td>1.</td><td>Khapri Nala</td><td>0.1</td><td>N</td></tr><tr><td>2.</td><td>Seonath River (also known as Shivnath River)</td><td>3.4</td><td>E</td></tr><tr><td>3.</td><td>Pulgaon Nala</td><td>5.3</td><td>ENE</td></tr><tr><td>4.</td><td>Bharda Nala</td><td>5.5</td><td>N</td></tr><tr><td>5.</td><td>Chitewar Nala</td><td>6.3</td><td>NNE</td></tr><tr><td>6.</td><td>Sahrabandha Talab</td><td>6.5</td><td>ENE</td></tr><tr><td>7.</td><td>Khapri Canal</td><td>6.7</td><td>ESE</td></tr><tr><td>8.</td><td>Kharkhara Nadi</td><td>7.0</td><td>S</td></tr><tr><td>9.</td><td>Raja Talab</td><td>0.5</td><td>S</td></tr><tr><td>10.</td><td>Water bodies near Kopedih</td><td>1.2</td><td>SW</td></tr><tr><td>11.</td><td>Water bodies</td><td>2.8</td><td>SW</td></tr></table>	Sl. No.	Water body	Distance	Direction	1.	Khapri Nala	0.1	N	2.	Seonath River (also known as Shivnath River)	3.4	E	3.	Pulgaon Nala	5.3	ENE	4.	Bharda Nala	5.5	N	5.	Chitewar Nala	6.3	NNE	6.	Sahrabandha Talab	6.5	ENE	7.	Khapri Canal	6.7	ESE	8.	Kharkhara Nadi	7.0	S	9.	Raja Talab	0.5	S	10.	Water bodies near Kopedih	1.2	SW	11.	Water bodies	2.8	SW	Authenticated HFL data of the water body : The project site is not located in the vicinity of the river. The nearest river is Seonath River at a distance of 3.4 km. The Office of Executive Engineer, Water Resources Division, /W/ Rajnandgaon has issued a letter no. 577/W/2025 dated 24.02.2025 stating that the industry is not in the flood affected area of Shivnath River and there has been no flood in the last 20-25 years around the industrial site. The department has no objection in this regard.
Sl. No.	Water body	Distance	Direction																																																
1.	Khapri Nala	0.1	N																																																
2.	Seonath River (also known as Shivnath River)	3.4	E																																																
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10.	Water bodies near Kopedih	1.2	SW																																																
11.	Water bodies	2.8	SW																																																

Sl. No.	Particulars	Details				Remarks
			near Indawani			
		12.	Water bodies near Kakrel	6.2	WSW	
		13.	Water bodies near Sankra	5.5	SSW	
		14.	Water bodies near Kalhapuri	6.5	SE	
		15.	Naya Talab	7.1	ENE	
		16.	Water bodies near Bhendarwani	7.4	NW	
		17.	Harnabandha Tank	7.9	ENE	
		18.	Tandula River	8.4	SSE	
		19.	Water bodies near Baghera	8.5	WNW	
		20.	Water bodies near Nagpura	8.6	NNE	
viii.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Study area Nil List of Reserved and protected forests: There is 1 RF near Mangata at 3.4 km NW.				For the existing plant area letter was received from the Divisional Forest Officer, Rajnandgaon forest division dated 26-06-2022 stating that no forest land is present either within the existing the plant area nor any forest boundary is adjacent to the plant area.

28.2.7 The existing project was accorded environmental clearance EC vide lr.no. IA-J-11011/1172/2007-IA-II(IND-I), dated 08.05.2024 for greenfield project of Sponge Iron 660000 TPA; MS Billets 465696 TPA; Rerolled Steel Products through Hot Charging & Reheating Furnace 478500 TPA; Iron Ore Pellets 1.2 MTPA; SAF to produce SiMn 36000 TPA and/or FeMn 46000 TPA and/or FeSi 22,500 TPA and/or Pig iron 63000 TPA; Captive Power of 75MW (50MW thru WHRB & 25MW thru CFBC); Pipe Mill 155100 TPA; Galvanized Mill 155100 TPA and Fly Ash Bricks 41500 TPA. CTE was taken vide letter no. 5666/TS/CECB/2024 dated 24/09/2024 valid till 23/08/2029 but no construction/ development started. Hence, Consent to Operate has not been obtained.

28.2.8 **Implementation status of the existing EC:**

Sl. No	Facilities	Units	As per ECs dated 08.05.2024	Implementation status as on 16.05.2026	Production as per CTO
1	DRI Kiln	4 nos. X 500 TPD	660,000	Under construction	CTO yet to be applied
2	SMS via IF-LRF-AOD/VD and/ or EAF/BOF Route	IF 8 nos. X 20 T; LRF 1 no. X 25T and AOD 1 no. X 25 T	465,696	Under construction	CTO yet to be applied

Sl. No	Facilities	Units	As per ECs dated 08.05.2024	Implementation status as on 16.05.2026	Production as per CTO
2.1	CCM (Billets/Bloom/ slab /caster)(MS/ SS/ Alloy grade)	Existing CCM-1	465,696	Under construction	CTO yet to be applied
3	Rolling Mill	Re-rolled steel product 1 no. X 0.4785 MTPA [(a) 980 TPD (323400 TPA) hot charging rolling mill + (b) 470 TPD (155100 TPA) billet reheating furnace]	478,500	Under construction	CTO yet to be applied
3.1.1	Pipe mill/ Tube mill	470 Tones per day for MS Pipes/ Tubes	155,100	Yet to be constructed	CTO yet to be applied
3.1.2	Galvanizing unit	470 Tones per day for Galvanized products	155,100	Yet to be constructed	CTO yet to be applied
		Total (rolling mill 1 & 2)	478,500		
4	Pellet Plant	1 no. X 1.2 MTPA	1,200,000	Under construction	CTO yet to be applied
5	Ferro Alloys	Sub merged Arc furnace- 2 nos. X 9 MVA	As below	Yet to be constructed	CTO yet to be applied
		Silico Manganese	36,000		CTO yet to be applied
		Ferro silicon	22,500		CTO yet to be applied
		Ferro Manganese	46,000		CTO yet to be applied
		Pig Iron	63,000		CTO yet to be applied
6	Captive power plant				
6.1	DRI WHRB based CPP	from 4 nos. X 500 TPD DRI kilns	50 MW	Under construction	CTO yet to be applied
6.2	AFBC/ CFBC based CPP	1 no. X 25 MW	25 MW	Under construction	CTO yet to be applied
		Total Power	75 MW		
7	Fly ash brick plant	1 nos.	41,500	Yet to be constructed	CTO yet to be applied

28.2.9 The unit configuration and capacity of existing and proposed project is given as below:

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO		Config	Cap, TPA	Config	Cap, TPA
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA				
1	DRI Kiln												
1.1		4 nos. X 500 TPD	660,000	-	-	4 nos. X 500 TPD	660,000	-	-	No change. However, enhancement in existing capacity utilisation.	405,000	4 nos. X 500 TPD	1,065,000
1.2		-	-	-	-	-	-	-	-	6 nos. X 100 TPD	319,500	6 nos. X 100 TPD	319,500
1.3		-	-	-	-	-	-	-	-	4 nos. X 500 TPD	1,065,000	4 nos. X 500 TPD	1,065,000
		Total DRI	660,000								1,789,500		2,449,500
2	SMS via IF –LRF-AOD/VD and/ or EAF/BOF/ EOF Route	IF 8 nos. X 20 T; LRF 1 no. X 25T and AOD 1 no. X 25 T	465,696	-	-	IF 8 nos. X 20 T; LRF 1 no. X 25T and AOD 1 no. X 25 T	465,696	-	-	IF 8 nos. X 20 T and/or EAF 1 no. X 100 T or BOF 2 nos. X 45 T; LRF 7 nos. X 25T and/or AOD 7 nos. X 25 T and/or CLU 5 nos. X 20 T and/or VD 4 nos. X 30 T	465,696	IF 8 nos. X 20 T; IF 8 nos. X 20 T and/or EAF 1 no. X 100 T or BOF 2 nos. X 45 T; LRF 1 nos. X 25 T and AOD 1 no. X 25 T; LRF 7 nos. X 25T and/or AOD 7 nos. X 25 T and/or CLU 5 nos. X 20 T and/or VD 4 nos. X 30 T	931,392
2.1	CCM (Billets/Bl oom slab /caster)(	Existing CCM-1	465,696	-	-	Existing CCM-1	465,696	-	-	Revised to 456,382 considering 2% loss	Less 9314	CCM 1	456,382

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO		Config	Cap, TPA	Config	Cap, TPA
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA				
	MS/ SS/ Alloy grade)	-	-	-	-	-	-	-	-	New CCM-2	456,382	CCM 2	456,382
		Total Semi-finished	465,696								456,382		9,12,764
2.2	Slag Crusher (IF slag)	-	-	-	-	-	-	-	-	1 no. X 75 TPH	75 TPH	1 no. X 75 TPH	75 TPH
3	Rolling mill												
3.1	Rolling Mill -1	Rerolled steel product 1 no. X 0.4785 MTPA [980 TPD (323400 TPA) hot charging rolling mill + 470 TPD (155100 TPA) billet reheating furnace]	478,500	-	-	Rerolled steel product 1 no. X 0.4785 MTPA [980 TPD (323400 TPA) hot charging rolling mill + 470 TPD (155100 TPA) billet reheating furnace]	478,500	-	-	Revised configuration - Rolling mill including reheating furnace (Long and/or TMT and/or wire rod and/or TMT & Wire rod and/or flat and/or Round and/or structural mill and/or Strip mill and/or Bright Bar and/or rolled products of stainless steel or others and/or Hot Rolled/HRC Mill/Plate/ Pipe & Tube Products/ ERW and/or HFIW and/or HFW Pipe & Tubes and/or Seamless Steel Tube & Pipes manufacturing and Rolling with complete finishing	No change/ addition	1 no. X 0.4785 MTPA	478,500

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO					
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA
										facilities of line and OCTG finishing/ wire drawing/ HB wire/ Binding wire/ Nail/ Barbed wire & GI Wire or mesh wire or Gabion wire mesh with coating or Rolled products of stainless Steel or alloy steel or LRPC wire, etc.) followed by one or more in series of pickling, cold rolling, annealing, galvanizing			
3.1.1	Pipe mill/ Tube mill	470 TPD	155,100	-	-	470 TPD	155,100	-	-	-	-	470 TPD	155,100
3.1.2	Galvanizing unit	470 TPD	155,100	-	-	470 TPD	155,100	-	-	-	-	470 TPD	155,100
3.2	Rolling Mill -2	-	-	-	-	-	-	-	-	Rolling mill including reheating furnace (Long and/or TMT and/or wire rod and/or TMT & Wire rod and/or flat and/or Round and/or structural mill and/or Strip mill and/or Bright Bar and/or rolled products of stainless steel or others	450,000	1 no. X 0.45 MTPA	450,000

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO		Config	Cap, TPA	Config	Cap, TPA
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA				
										and/or Hot Rolled/HRC Mill/Plate/ Pipe & Tube Products/ ERW and/or HFIW and/or HFW Pipe & Tubes and/or Seamless Steel Tube & Pipes manufacturing and Rolling with complete finishing facilities of line and OCTG finishing/ wire drawing/ HB wire/ Binding wire/ Nail/ Barbed wire & GI Wire or mesh wire or Gabion wire mesh with coating or Rolled products of stainless Steel or alloy steel or LRPC wire, etc.) followed by one or more in series of pickling, cold rolling, annealing, galvanizing			
		Total (rolling mill 1 & 2)	478,500								450,000	1 no. X 0.4785 MTPA + 1 no. X 0.45 MTPA	928,500

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO		Config	Cap, TPA	Config	Cap, TPA
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA				
4	Pellet Plant												
4.1	Pellet Plant	1 no. X 1.2 MTPA	1,200,000	-	-	1 no. X 1.2 MTPA	1,200,000	-	-	Revised configuration - Pellet plant with Iron Ore with Beneficiation	No change/ addition	1 no. X 1.2 MTPA	1,200,000
4.2	Pellet plant with Iron Ore with Beneficiation	-	-	-	-	-	-	-	-	1 no. X 3.75 MTPA	3,750,000	1 no. X 3.75 MTPA	3,750,000
		Sub Total (Pellet plant)	1,200,000								3,750,000		4,950,000
5	Ferro Alloys	Sub merged Arc furnace- 2 nos. X 9 MVA	As below	-	-	Sub merged Arc furnace- 2 nos. X 9 MVA	As below	-	-	AOD 1 no. X 10 T and/ or CLU 1 no. X 12 T and/ or Refining Arc Furnace and/ or Electric Arc Furnace 4 nos. X 4.5 MVA	No change	SAF 2 nos. X 9 MVA with AOD 1 no. X 10 T and/ or CLU 1 no. X 12 T and/ or Refining Arc Furnace and/ or Electric Arc Furnace 4 nos. X 4.5 MVA	As below
		Silico Manganese	36,000	-	-	Silico Manganese	36,000	-	-	Silico Manganese	0	Silico Manganese	36,000
		Ferro silicon	22,500	-	-	Ferro silicon	22,500	-	-	Ferro silicon	0	Ferro silicon	22,500
		Ferro Manganese	46,000	-	-	Ferro Manganese	46,000	-	-	Ferro Manganese	0	Ferro Manganese	46,000
		Ferro Chrome	-	-	-	Ferro Chrome	-	-	-	Ferro Chrome	36000	Ferro Chrome	36,000

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO		Config	Cap, TPA	Config	Cap, TPA
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA				
		Pig Iron	63,000			Pig Iron	63,000			Pig Iron	0	Pig Iron	63,000
		Briquetting/ Sintering Plant	-	-	-	Briquetting/ Sintering Plant	-	-	-	1 no. X 12 TPH Fe-Mn; 1 no. X 10 TPH Fe-Cr	82,800	1 no. X 12 TPH Fe-Mn; 1 no. X 10 TPH Fe-Cr	82,800
		Metal Recovery Plant	-	-	-	Metal Recovery Plant	-	-	-	1 no. X 5 TPH	-	1 no. X 5 TPH	-
		Maximum	63,000								36000		63,000
6	Captive power plant												
6.1	DRI WHRB based CPP	from 4 nos. X 500 TPD DRI kilns	50 MW	-	-	from 4 nos. X 500 TPD DRI kilns	50 MW	-	-	from 4 nos. X 500 TPD & 6 nos. X 100 TPD DRI kilns	65 MW	from 8 nos. X 500 TPD & 6 nos. X 100 TPD DRI kilns	115 MW
6.2	Coke oven plant WHRB based CPP	-	-	-	-	-	-	-	-	from 7 nos. X 70000 TPA coke oven plant	40 MW	7 nos.	40 MW
6.3	MBF WHRB based CPP	-	-	-	-	-	-	-	-	from 1 no. MBF of 686 cum	10 MW	1 no.	10 MW
6.4	TRT	-	-	-	-	-	-	-	-	from 1 no. MBF of 686 cum	5 MW	1 no.	5 MW
	AFBC/CFBC based CPP	1 no. X 25 MW	25 MW	-	-	1 no. X 25 MW	25 MW	-	-	7 nos. X 40 MW, 1 no. X 30 MW	310 MW	1 no. X 25MW + 7 nos. X 40 MW + 1 no. X 30 MW	335 MW
		Total Power	75 MW								430 MW		505 MW
9	Fly ash brick plant	1 nos.	41,500	-	-	1 nos.	41,500	-	-	2 nos.	83,000	3 nos.	124,500
10	MBF	-	-	-	-	-	-	-	-	1 no. X 686 cum	1,080,450	1 no. X 686 cum	1,080,450

Sl. No.	Plant units/ facilities	Existing as per EC dated 08.05.2024								Proposed Units		Final (Existing + Proposed)	
		Total [A+B]		Implemented (A)		Un Implemented (B)		As per CTO		Config	Cap, TPA	Config	Cap, TPA
		Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA	Config	Cap, TPA				
11	Sinter plant	-	-	-	-	-	-	-	-	1 no. X 130 sq.m.	1,501,500	1 no. X 130 sq.m.	1,501,500
12	Coke oven plant	-	-	-	-	-	-	-	-	7 nos. X 70,000 TPA	490,000	7 nos. X 70,000 TPA	490,000
13	Oxygen plant	-	-	-	-	-	-	-	-	1 no. X 300 TPD + 1 nos. X 150 TPD	450 TPD	1 no. X 300 TPD + 1 nos. X 150 TPD	450 TPD
14	DI pipe plant	-	-	-	-	-	-	-	-	2 nos. X 0.5 MTPA DI Fitting plant 2 nos. X 25,000 TPA	1,000,000	2 nos. X 0.5 MTPA DI Fitting plant 2 nos. X 25,000 TPA	1,000,000
15	Cement Plant (Grinding Unit)	-	-	-	-	-	-	-	-	1 no. X 2500 TPD	825,000	1 no. X 2500 TPD	825,000
16	Lime Calcination Plant	-	-	-	-	-	-	-	-	1 no. X 15 TPD + 2 nos. X 115 TPD	80,104	1 no. X 15 TPD + 2 nos. X 115 TPD	80,104
17	Coal Washery	-	-	-	-	-	-	-	-	1 no. X 250 TPH	1,500,000	1 no. X 250 TPH	1,500,000
18	Producer Gas Plant	-	-	-	-	-	-	-	-	15 nos. X 5,000 nm ³ /hr	630 Million Nm ³ /annum	15 nos. X 5,000 nm ³ /hr	630 Million Nm ³ /annum

28.2.10 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

Sl. No.	Raw material	Total Quantity per annum in TPA			Source	Distance from site, Kms	Mode of transport
		Existing	Expansion	Total			
1	Iron Ore/ Fines/ concentrate	1236000	5339455	6575455	Private mines of Chhattisgarh, Odisha, Madhya Pradesh	400	Road

Sl. No.	Raw material	Total Quantity per annum in TPA			Source	Distance from site, Kms	Mode of transport
		Existing	Expansion	Total			
2	Dolomite	84960	624161	709121	Private mines in Chhattisgarh /MP/ Odisha	300	Road
3	Refractory material	990	2684	3674	Manufacturers in CG	300	Road
4	Bentonite	9600	52500	62100	Rajasthan/Gujarat	1500	Road
5	Coal	974410	2616700	3591110	Talcher, Odisha: Jharkhand; Chhattisgarh	450	Road
6	Iron Ore BF Grade	0	276462	276462	Private mines/ OMC	300	Road
7	Coke, Charcoal	0	38524	38524	Chhattisgarh /MP/ Odisha/Jharkhand	400	Road
8	Coal dust	0	162068	162068	Talcher, Odisha: Jharkhand; Chhattisgarh	400	Road
9	Quartz	40500	56183	96683	Chhattisgarh/MP	300	Road
10	Limestone	7609	412056	419665	Chhattisgarh/MP	350	Road
11	Coking Coal	0	739900	739900	Open market/ Imported	650	Road
12	Hot metal	0	438534	438534	Open market	300	Road
13	Fe-Si, Calcium Carbide magnesium ingot, inoculants	0	13333	13333	Open market	300	Road
14	Sand for core	0	60000	60000	Open market	300	Road
15	Resin, hardener, catalyst, paint	0	1400	1400	Open market	300	Road
16	Zinc wire/ aluminium wire	0	6667	6667	Open market	300	Road
17	Sand for lining	0	166667	166667	Open market	300	Road
18	Portland cement	0	100000	100000	Open market	300	Road
19	Bitumen/ epoxy paint	0	9000	9000	Open market	300	Road
20	Semi finished products (Billet/bloom)	0	54423	54423	Open market/ imported	300	Road
21	Electrode Paste	2096	0	2096	Open market	300	Road
22	Manganese Ore (Quality 38%-40% Mn)	25920	0	25920	MOIL/ Private mines	300	Rail/road
23	Low-Grade High Silicon Moil Ore	31140	0	31140	MOIL/ Private mines	300	Rail/road
24	Chrome Ore Lump	、	7200	7200	OMC/ Private mines	300	Road
25	Manganese Ore Concentrate	111322	0	111322	MOIL/ Private mines	300	Rail/road
26	Molasses	7358	0	7358	Open market	100	Road

Sl. No.	Raw material	Total Quantity per annum in TPA			Source	Distance from site, Kms	Mode of transport
		Existing	Expansion	Total			
27	Chome-ore concentrate	0	92768	92768	OMC/ Private mines	600	Road
28	Fuel Oil	0	16021	16021	Open market	50	Road
29	Clinker	0	559615	559615	Open market	100	Road
30	Gypsum	0	41250	41250	Open market	1400	Road
31	Mill scale (from CCM/RM/SM/DPP)	75001	0	75001	Open market	100	Road
32	Lancing pipe and canister sheet	729	0	729	Open market	100	Road
33	Fluidized bed media	150	1862	2012	Open market	100	Road
34	Others	0	0	56555	Open market	300	Road
	Total	2607785	11889433	14553773			

28.2.11 Existing Water requirement is 4400 m³/day (183.3 KLH), which will be obtained from the Shivnath (a.k.a. Seonath) River, treated waste water and rain water harvesting pond and ground water. The water requirement for the proposed project is estimated as 37,417 m³/day (1592 m³/hr), out of which 35,501 m³/day (1512 m³/hr) of fresh water requirement will be obtained from the Shivnath (a.k.a. Seonath) River, rain water harvesting and ground water while the remaining requirement of 1,916 m³/day will be met from the recycled water. The permission for drawl of groundwater is obtained from CGWA vide letter no. CGWA/NOC/IND/EXP/2025/156 dated 04.02.2025 for 495 KLD till date, permission from CSIDC vide letter no. CSIDC/Sl.04/2022-23/4392 dated 10.08.2022 for 10 KLD and permission from State Investment Promotion Board, Govt. Of Chhattisgarh vide letter no. 1114/SIPB/2025/881 dated 31.10.2025 for 39000 KLD.

28.2.12 Existing power requirement of 98 MW will be obtained from captive generation i.e. 75 MW (25 MW AFBC+ 50MW WHRB) and remaining 23 MW through State Grid (CSPDCL). The power requirement for the proposed and existing project is estimated as 466.5 MW, out of which 335 MW will be available from the CPP and 170 MW will be available from WHRB and TRT.

28.2.13 Baseline Environmental Studies:

Period	Post Monsoon Season- 1st October to 31st December 2024
AAQ parameters at 8 Locations (min and max)	PM2.5 = 23.8 to 46.8 µg/m ³ PM10 = 42.8 to 78.0 µg/m ³ SO2 = 6.0 to 13.3 µg/m ³ NO2 = 8.8 to 20.1 µg/m ³ CO = 0.115 to 0.802 mg/m ³
Incremental GLC level	PM10 = 26.0 µg/m ³ (Level at 0.1 km in WNW) PM2.5 = 6.74 µg/m ³ (Level at core zone) SO2 = 26.88 µg/m ³ (Level at core zone) NOx = 46.97 µg/m ³ (Level at 0.1 km in SW)
Ground water quality at 8 locations	pH: 7.0-7.4; Total Hardness: 272-588 mg/l; Chlorides: 92-243 mg/l, Fluoride: 0.24-0.82 mg/l. Heavy metals (iron) <0.1-0.13 mg/l are within the limits
Surface water quality at 8 locations	pH: 7.7-8.2, DO: 7.8-8.9 mg/l, BOD: 1.2-7.2 mg/l and COD : <5- 18.29 mg/l

Noise levels Leq (day and night) at 10 locations	48.83 to 57.50 dB (A) for the day time and 36.19 to 44.39 dB (A) for the night time																																								
Traffic assessment study findings	● Traffic study has been conducted at 3 locations, namely, (1) unmetalled road near Joratara village (2) Industrial road near Rasmara village (3) NH-53 near Khapri village, which are 2.0, 3.2 & 1.3 km aerielly from the plant site, respectively ● Transportation of raw material, fuel & finished product will be done 100 % by road ● Existing PCU and level of service (LOS) is below: <table><tr><th>Road</th><th>V (Volume in PCU/hr)</th><th>C (Maximum Capacity in PCU/ hr)</th><th>Existing V/C Ratio</th><th>LoS</th></tr><tr><td>(1) unmetalled road near Joratara village</td><td>56</td><td>166</td><td>0.33</td><td>B</td></tr><tr><td>(2) Industrial road near Rasmara village</td><td>240</td><td>2916</td><td>0.082</td><td>A</td></tr><tr><td>(3) NH-53 near Khapri village</td><td>1177</td><td>2916</td><td>0.40</td><td>B</td></tr></table> ● PCU load after proposed project will be (Existing+ Additional) and level of service (LOS) will be as follows: <table><tr><th>Road</th><th>V (Volume in PCU/ hr)</th><th>C (Maximum Capacity in PCU/ hr)</th><th>Proposed V/C Ratio</th><th>Lo S</th></tr><tr><td>(1) unmetalled road near Joratara village</td><td>695</td><td>166</td><td>0.48</td><td>B</td></tr><tr><td>(2) Industrial road near Rasmara village</td><td>879</td><td>2916</td><td>0.61</td><td>C</td></tr><tr><td>(3) NH-53 near Khapri village</td><td>1815</td><td>2916</td><td>0.62</td><td>C</td></tr></table> Note: Capacity as per IRC-64-1990. Guide line for capacity for roads. Conclusion: The level of service will B to C after including additional traffic due to proposed project.	Road	V (Volume in PCU/hr)	C (Maximum Capacity in PCU/ hr)	Existing V/C Ratio	LoS	(1) unmetalled road near Joratara village	56	166	0.33	B	(2) Industrial road near Rasmara village	240	2916	0.082	A	(3) NH-53 near Khapri village	1177	2916	0.40	B	Road	V (Volume in PCU/ hr)	C (Maximum Capacity in PCU/ hr)	Proposed V/C Ratio	Lo S	(1) unmetalled road near Joratara village	695	166	0.48	B	(2) Industrial road near Rasmara village	879	2916	0.61	C	(3) NH-53 near Khapri village	1815	2916	0.62	C
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(3) NH-53 near Khapri village	1815	2916	0.62	C																																					
Flora and fauna	Schedule I species is present within Buffer zone which has 12 species, namely. Indian Wolf (<i>Canis lupus</i>), Jungle cat (<i>Felis chaus</i>), Grey mongoose (<i>Urva edwardasii</i>), Indian fox (<i>Vulpes bengalensis</i>), Pangolin (<i>Manis Crassicaudata</i>), Indian cobra (<i>Naja naja</i>), Rat Snake (<i>Ptyas mucosa</i>), Russel's Viper (<i>Daboia russelii</i>), Bengal Monitor (<i>Varanus bengalensis</i>), Python (<i>Python molurus</i>), Common barn owl (<i>Tyto alba</i>) and Indian Peafowl (<i>Pavo cristatus</i>). The Wildlife Conservation and Management Plan has been prepared by Enviro Synergy Consultancy Services and Approved by PCCF (Wildlife and biodiversity conservation)-cum-CWLW vide letter No. 756/153 dated 04.07.2025.																																								

28.2.14 The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment-inhouse reuse	Disposal-outhouse	Remark
1	Dust (Iron Ore, Coke, Coal Fines)	Pelletisation plant	380667	380667	0	100% reused in mixing bin of pellet plant
2	Middlings	Coal washery	637500	637500	0	100% reused in captive power plant
	Reject		112500	0	112500	100% temporarily stored in solid waste disposal area within project site till sent for backfilling in mine or used for road making/ filling of low lying area.
3	Char	Sponge Iron (DRI) plant	639092	639092	0	100% reused in CPP boiler within project
	Fly ash (ESP)		172910	0	172910	100% used for roads, levelling, backfilling, etc. as per Fly Ash Utilisation Notification 2021
	Bag Filter Dust, scrapper etc		69164	69164	0	100% reused in sinter making/ pellet making within project
	Kiln Accretion		69164	0	69164	100% stored in land fill temporarily till reused in road sub-base
	Refractories		Variable, periodic	√ (part)	√ (part)	Reusable portion of salvaged refractories are recycled, preparation of mortar
4	BF Slag	MBF	324135	224135	100000	Will be granulated and used for PBFS cement making in own proposed cement plant or can be sold directly or after granulation as cementitious material
	Dust (Iron Ore, Coke, Sinter Fines)		54023	54023	0	100% dust will be reused in Sinter Plant/ pellet making.
5	Sinter Return Fines	Sinter plant	255960	255960	0	100% dust will be reused in Sinter Plant/ pellet making.
6	Bag Filter Dust	Coke oven plant	14700	14700	0	100% dust will be reused in Sinter Plant/ pellet making.
7.1		SMS I				

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment-inhouse reuse	Disposal-outhouse	Remark
7.1.1	Bag Filter dust	Induction furnace & LRF	26874	26874	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		385448	19272	366175	100% slag will be given for metal recovery (~5% recovered & reused), ~95% converted to aggregates (special balls) and used in road making within and outside plant
7.1.2	Bag Filter dust	LRF	18628	18628	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		121081	6054	115027	Reused in road making & filing
7.1.3	Mill Scale	Caster	18628	18628	0	100% reuse/ sale in own/ other cement plant, usable in pellet making & sinter plant*, LRF dephosphorisation process, as secondary coolant-replacement of iron ore after briquetting
7.2		SMS II				
7.2.1	Bag Filter dust	IF/ Electric Arc Furnace/ BOF	10680	10680	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		57611	0	57611	100% reused through various methods such as slag atomisation/ granulation to make Precious Slag balls (spherical, 0.1-4.5 mm) which can be used as blasting abrasive, casting sand, filter media etc; use as rail ballast, road & pavement material, filling material, cement making, brick/ ceramic tiles making, soil conditioner, tiles
7.2.2	Bag Filter dust	VD/AOD	9314	9314	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		27942	1397	26545	Reused in road making & filing

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment-inhouse reuse	Disposal-outhouse	Remark
7.2.3	Mill scale	Caster	9314	9314	0	100% reused in Sinter Plant* or Pellet plant or clinker plant, also saleable
7.2.4	Bag Filter dust	BOF	11730	11730	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		109064	0	109064	100% reused through various methods such as slag atomisation/ granulation to make Precious Slag balls (spherical, 0.1-4.5 mm) which can be used as blasting abrasive, casting sand, filter media etc; use as rail ballast, road & pavement material, filling material, cement making, brick/ ceramic tiles making, soil conditioner, tiles
7.2.5	Bag Filter dust	LF/ VD/ AOD	9314	9314	0	100% dust will be reused in Sinter Plant/ pellet making.
	Slag		27942	1397	26545	Reused in road making & filing
7.2.6	Mill scale	Caster	9314	9314	0	100% reused in Sinter Plant* or Pellet plant or clinker plant, also saleable
8.0	Waste core sand	DI Pipe	256900	0	256900	Land levelling
	Iron scrap		183500	11163	172337	Reusable inhouse and sale
8.1	Reject	Rolling Mill	8438	8438	0	100% reused in SMS
	Mill Scale	1 & 2	10313	10313	0	100% reused in Sinter Plant* or clinker plant, also saleable
9	Slag (Si-Mn)	Ferro Alloy	18000	900	17100	100% sent to jigging plant for Manganese recovery(~5%), balance (95%) used as construction sand
	Bag Filter Fines (Si-Mn)		720	720	0	100% dust will be reused in Sinter Plant/ pellet plant.

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment-inhouse reuse	Disposal-outhouse	Remark
	Fe-Mn Slag		55200	25920	29280	47% directly reuseable for Fe-Si manufacturing in house and balance sold to other manufacturers**
	Bag Filter Fines (Fe-Mn)		9200	9200	0	100% dust will be reused in Sinter Plant*.
	Bag Filter Fines (Fe-Si)		4500	4500	0	100% sold, reusable in cupola furnace
	Slag (Fe-Si)		1238	0	1238	100% dust will be reused in Sinter Plant*.
	Slag (Fe-Cr)		42840	2142	40698	100% send for Chrome recovery (~5%) through jigging. After TCLP test on remaining material (~95%), it will be used as landfill/ base material in roads (when Cr within permissible limits), else sent to the nearest TSDF facility. Fe-Cr slag is also reusable for 100% sold, reusable for making in refractory castables in non-recovery coke oven batteries, coal-fired power boilers, industry furnaces, etc
	Bag Filter Fines (Fe-Cr)		6912	6912	0	100% dust will be reused in Sinter Plant*.
	Slag (Pig Iron)		31639	0	31639	Used for land levelling or base for road construction
	Bag Filter Fines (Pig Iron)		1260	0	1260	100% dust will be reused in Sinter Plant*.
10	Coal Ash	Producer Gas	44921	0	44921	100% used for roads, levelling, backfilling, etc. as per Fly Ash Utilisation Notification 2021
12	From CPP (fly ash)	AFBC/ CFBC Power	1011608	111552	900056	100% reused as per Fly Ash Utilisation Notification 2021. Used in own cement plant and rest sent to others cement making, brick making, block making, aggregate making, and road making.

Sl.	Type of Waste	Source	Quantity Generated (TPA)	Mode of Treatment-inhouse reuse	Disposal-outhouse	Remark
	From CPP (bottom ash)		252902	0	252902	100% used for roads, levelling, backfilling, etc. as per Fly Ash Utilisation Notification 2021.
	Total		5114826	2522653	2604851	49% in house reutilization and 51% out house utilisation
Note: * Not accounted in material balance of Sinter Plant since refining process may or may to be carried out & generation from Ferro Alloy shall be subject to type of ferro alloy produced ** Maximum waste from any type of Ferro alloy Plant has been considered						

28.2.15 Public Consultation:

Details of advertisement given	Advertisement in Hindi daily newspaper “Navbharat Sampuran” and in English newspaper “The Times of India” on 26.07.2025
Date of public consultation	28/08/2025
Venue	Government Land Mini Stadium (Vrindavan Sports Ground), Khasra No. 569/3, Village Anjora, Patwari Halka No.62, Tehsil & Dist. Rajnandgaon
Presiding Officer	Additional Collector
Major issues raised	● Health (ambulance, hospital, health camps etc) & Education (computer, higher education, vocational training, etc) ● Safe drinking water supply, repairing of borewell, maintainance of bathing pond ● Plantation ● Employment ● Prevention of Pollution, protection of environment, air, and water ● Infrastructural support for development of Roads, rest shelters, street light installation, traffic control and high mast light, Sports facility, parks, gym, power facility etc ● CSR Activities

Action Plan as per OM dated 30.09.2020

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs. lakhs)					
			Year 1	Year 2	Year 3	Year 4	Year 5	Total
A.	Infrastructure creation for drinking water supply and sanitation							
	Reclamation and cleaning of village ponds	Will be done in villages Kopedih, Anjora, Magarlota, Khapri, Rasmanda,	10.00	10.00	10.00	10.00	10.00	50.00

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs. lakhs)					
			Year 1	Year 2	Year 3	Year 4	Year 5	Total
	Water supply, repair and cleaning of borewells	Tube well construction with boundary wall & tank 7 nos., one in each village	10.00	10.00	10.00	10.00	10.00	50.00
		Water supply tanker, 5 nos., used during festivals, dry season, requisition from villagers i.e. need basis	5.00	5.00	5.00	5.00	5.00	25.00
		Cleaning existing borewells, 14 nos.	7.00	7.00	7.00	7.00	7.00	35.00
B.	Health							
	Health camps	Monthly camps in different villages covering the 7 villages within plant and 5 km around it	60.00	63.00	66.15	69.46	72.93	331.54
		Mobile clinic 1 no.	15.00	20.64	21.67	22.75	23.89	103.95
	Ambulance	2 no. 24X7 critical care ambulance shall be available at the plant for call to any villager; fuel, R&M, driver & emergency staff salary cost included	30.00	19.80	20.79	21.83	22.92	115.34
	Pathology services	The pathological lab will be established in the medical centre of the company, which will be given access to villagers	50.00	26.64	27.97	29.37	30.84	164.82
	Health Center	10 bedded health centre with infrastructure, manpower, consultation, medicine, etc	307.00	185.34	205.27	88.74	106.49	892.85
C.	Education							
	Support to ITI	Support to Government ITI, Bhilai/ Durg/ Rajnanadagon for renovation/ addition of facility/ equipment	25.00	25.00	25.00	25.00	25.00	125.00
	Educational facilities	Two room will be constructed in one schools in village of Kopedih and Anjora and its maintenace	20.00	20.00	2.00	2.00	2.00	46.00
	Support to underprivileged students	Monetary support to Schools & underprivileged students- Markers, stationary,	14.00	14.00	14.00	14.00	14.00	70.00

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs. lakhs)					
			Year 1	Year 2	Year 3	Year 4	Year 5	Total
		books, etc. will be provided in the schools of 7 villages and cycles 100 nos. to students per year						
	Scholarship to students	Scholarship to students and youth (15 nos./village) for ITI education from 7 villages in and around project (villages Kopedih, Anjora, Magarlota, Khapri, Joratarai, Mangata, Rasmada (with preference to land sellers)	26.25	26.25	26.25	26.25	26.25	131.25
	Prizes to students	Supporting meritorious students- Laptops to top three rankers of Secondary Education Board toppers of Class 10 and 12 of Govt. High School of 7 villages	25.20	26.46	27.78	29.17	30.63	139.24
D.	Skill development							
	Support to women, Self Help Groups	For women in Anjora and Kopedih village, 6 nos. of SHGs will be supported	21.60	22.68	23.81	25.00	26.25	119.34
	Skill development programmes	For local youth - training in mobile repair, cycle/ 2-W/4-W repair & other other vocations as required by them, 25 nos./year	6.25	6.25	6.25	6.25	6.25	31.25
		For women- Provision of sewing machines (50 nos./ year) to women for tailoring classes through Local Panchayat	2.50	2.50	2.50	2.50	2.50	12.50
E.	Roads							
	Road construction and maitenanace	Concrete road- On need basis in 2 villages, minimum 1 km per year	200.00	200.00	200.00	200.00	200.00	1000.00
		Paving of kutchha roads, minimum 2 km/year	50.00	50.00	50.00	50.00	50.00	250.00
	Widening of roads	Existing road will be widened and strengthened, provided divider and villagers will ply on one side of the road	10.00	10.00	100.00	100.00	100.00	320.00

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs. lakhs)					
			Year 1	Year 2	Year 3	Year 4	Year 5	Total
	Road sweeping staff	Provisioning for 2 nos./shift in Anjora and Kopedih village with industrial sweeping machine	63.04	66.19	69.50	72.98	76.63	348.34
	Traffic control during operation	Traffic marshall at main turnings & villages between plant and highway shall be provided in 3 shifts, salary for 2 nos.	10.80	11.34	11.91	12.51	13.14	59.70
	High Mast Light	1 no. each at 2 gates of plant & 7 villages	10.00	4.00	4.00	4.00	2.00	24.00
F.	Cross drains							
	Drainage construction	In 7 villages, approximately 2000 m per year	70.00	70.00	70.00	70.00	70.00	350.00
G.	Electrification including solar power							
	Street light installation	On need basis in 7 villages, minimum 50 solar street lights per year	15.00	15.75	16.54	17.37	18.24	82.90
	Solar panels	On roof top of community buildings in 5 villages (20 KWp per village)	15.00	15.00	15.00	15.00	15.00	75.00
H.	Solid waste management facilities							
	Solid waste management facilities	In 5 villages, provision of dust bins in common spaces, construction of vermicompost/ composting pit in village, awareness about plastic waste, e-waste, hazardous waste, etc	12.00	12.00	12.00	12.00	12.00	60.00
I.	Scientific support and awareness to local farmers							
	For farmers	Provision of sprayer pump (50 nos./ year) for local farmers through Local Panchayat	5.00	5.00	5.00	5.00	5.00	25.00
	Training program	Quarterly in 7 villages for 50-100 farmers regarding cropping patterns, fertility, crop	21.00	21.00	21.00	21.00	21.00	105.00

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs. lakhs)					
			Year 1	Year 2	Year 3	Year 4	Year 5	Total
		preservation, value addition, etc						
J.	Rain water harvesting							
	RWH structure construction	On community buildings, schools, etc in 5 villages	10.00	10.00	10.00	10.00	10.00	50.00
K.	Plantation in community areas							
	Green belt/plantation in villages and road side	10000 trees per year in villages around plant and road side along with annual incentive for survival	60.00	60.00	60.00	60.00	60.00	300.00
L.	SPORTS, COMMUNITY FACILITIES & FESTIVALS							
	Development of sports activities	Supply of sports material (football, bat, balls, wickets, etc.)	3.50	3.50	3.50	3.50	3.50	17.50
		Maintenance of playground, installation of lights in Villages Kopedih and Anjora	7.00	7.00	7.00	7.00	7.00	35.00
	Construction of Park	Construction of Park with open gym and other facilities (swings, benches etc.-1 no. each in Kopedih & Anjora	5.00	5.00	5.00	25.00	25.00	65.00
	Local festivals	In 7 villages, for temporary infrastructure, logistics, safety, etc during festivals (Diwali, Dussehra/ Durga Puja, Jalsa) (villages Kopedih, Anjora, Magarlota, Khapri, Rasmada, Joratarai, Mangata)	42.00	42.00	42.00	42.00	42.00	210.00
	Repair and maintenance of Shitla Bhawan/ Mandir	Repair and maintenance of Shitla Bhawan/ Mandir in Kopedih village	0.00	20.00	0.00	0.00	0.00	20.00
	Renovation of Chowk	Renovation of Chowk in Anjora village	0.00	0.00	20.00	0.00	0.00	20.00
	Beautification of Muktidham	Beautification of Muktidham in Village Kopedih and Anjora	0.00	0.00	0.00	20.00	20.00	40.00

Sl	Point Raised by villager	Action Plan with physical target	Budget (Rs. lakhs)					
			Year 1	Year 2	Year 3	Year 4	Year 5	Total
	TOTAL		1244.14	1118.34	1223.89	1141.68	1172.46	5900.52

- 28.2.16 The existing capital cost of the project was Rs. 943.02 Crores. The capital cost of the proposed project is Rs. 5810 Crores and the capital cost for environmental protection measures is proposed as Rs. 318.52 crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 67.74 Crores. The employment generation from the proposed project after expansion will be 5050 persons. The details of the cost for environmental protection measures is as follows:

Sl. No.	Description of Item	Existing (In Rs. Lakhs)		Proposed Total after expansion (In Rs. Lakhs)	
		Capital Cost	Recurring cost	Capital Cost	Recurring cost
I.	Air Pollution Control / Noise Management	2965.00	77.00	20764.00	4313.04
II.	Water Pollution Control	400.00	14.00	3470.00	213.46
III.	Environmental Monitoring and Management	256.00	26.00	880.95	465.42
IV.	Green Belt development	150.00	5.00	346.63	136.57
V.	Others- OHS, jeep, Solid waste management, etc.	1000.00	25.00	6388.00	1645.64
	Sub-Total	4821	148	31849.58	6774.13

- 28.2.17 Existing green belt was to be developed in 13.15 ha area with total sapling of 32875 Trees. Proposed greenbelt will be developed in 14.58 ha which is about 32.15% of the incremental expansion area. Thus total of 27.73 ha area (33% of total project area) will be developed as greenbelt. A >5 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of 69325 saplings will be planted and nurtured in 27.73 hectares in 5 years.

- 28.2.18 It is reported that there is no violation under EIA, 2006/court case/show cause/direction related to the project under consideration.

Certified compliance report from Regional Office

- 28.2.19 The Status of compliance of earlier EC was obtained from Regional Office, IRO Naya Raipur issued vide letter no. IRO-RPR/ENV/IND/03/2025/121 dated 22.12.2025 in the name of M/s. Kalyani Ispat Limited. The Action taken report regarding the partially/non-complied condition was submitted to IRO Naya Raipur vide letter no. Ref: KIL/MOEF/2025-26 dated 09.01.2026. MoEF&CC (RO), Naya Raipur evaluated the same and has issued letter no. IRO-RPR/ENV/IND/03/2025/155 dated 25.03.2026. The details of the observations made by RO in the report dated 25.03.2026 along with its re-assessment / present status as furnished by the PP is given as below:

Sl. N o.	Non compliance s details	Observation of RO (abridged)	Condition No.			Re-assessment by RO
			EC date	Specific	General	
1	Project Authority has not made available any supporting documents issued by the Competent Authority regarding complete conversion of total proposed land for industrial use prior to commencement of proposed project	Project Authority submitted a copies of the documents issued by the Competent Authority regarding conversion of the proposed land for industrial use.	08.05.2024	iv		It appears that the condition has been complied with.
2	Greenbelt development has not been commenced all around the Unit as stipulated	Project Authority submitted a reply along with plan of action for a period of three years regarding greenbelt development. Further, few plantations around the periphery of the Unit have already been initiated. The construction activity of the Project has been recently commenced	08.05.2024	v & ix		The reply of the project authority with their commitment with time-targeted implementation schedule may be considered.

Sl. No.	Non compliance details	Observation of RO (abridged)	Condition No.			Re-assessment by RO
			EC date	Specific	General	
		and the same is still under progress				
3	Details are not made available regarding village adoption programme prepared and action plan for the implementation of socio-economic development of the nearby villages	Project Authority in their reply submitted a declaration regarding the details of the expenditure incurred so far under the CSR activities. Further, a copy of the action plan for the year 2026-2027 submitted to the District Collector, towards implementation of socio-economic development under village adoption programme for the village Kopedih, Rajnandgaon Tehsil and District has been made available as Annexure-3 in the reply. Project Authority submitted a copy of acknowledgment received from the Office of District	08.05.2024	xi & xii	xi	Ministry may consider the submissions of the Project Authority.

Sl. No.	Non compliance details	Observation of RO (abridged)	Condition No.			Re-assessment by RO
			EC date	Specific	General	
		Collector, Rajnandgaon District				
4	Project Authority has not uploaded the details regarding environment related expenditure, expenditure related to action plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company website		08.05.2024	Project Authority vide letter dated 24/02/2026 submitted additional reply/ATR, wherein submitted expenditure related to action plan on the Public Hearing commitments based on the Public Hearing held on 16/12/2022 and environment related expenditure and other commitments made in the EIA/EMP as Table 1 and Table 2. Further, Project Authority uploaded the same on the website of the Company https://kalyaniispat.com/environmental-compliance/ In the said reply Project Authority submitted the details regarding the expenditure already incurred and also proposed for the year 2026-2027.	xi	In view this, the condition may be treated as being complied.

28.2.20 Compliance status of office memorandums issued by MoEF&CC is as follows:

Sl. No.	OM description	Compliance status			
1	Land: Stage of the land acquisition process as per Land MoEF&CC O.M. dated 7/10/2014	The land acquisition status is as follows:			
		Description	Under possession, in ha	Under process, in ha	Total, in ha
		Existing	38.68	0	38.68
		Proposed	40.12	5.221	45.341
		Total	78.80	5.221	84.021
		The existing 38.680 Ha land is under the possession of the company. Out of balance 45.341 ha, 40.12 ha is under possession and 5.221 ha is under process. 93.8% of total land already in possession.			
2	HFL: HFL of river as per MoEF	The project site is not located in the vicinity of the			

Sl. No.	OM description	Compliance status
	&CC Office Memorandum dated 14/02/2022	river. The nearest river is Seonath River at a distance of 3.4 km. The Office of Executive Engineer, Water Resources Division, /W/Rajnandgaon has issued a letter no. 577/W/2025 dated 24.02.2025 stating that the industry is not in the flood affected area of Shivnath River and there has been no flood in the last 20-25 years around the industrial site. The department has no objection in this regard. (Copy given in Annexure XXVII of EIA (January 2026, UID No. 202601002)).
3	Public Hearing: Action plan to address the issues raised during public consultation MoEF & CC O.M. dated 30/09/2020	Public hearing was held on 28.08.2025, an Action plan has been prepared and given in Table 7.14, Chapter 7 of EIA (January 2026, UID No. 202601002) . The detailed documentation of the public hearing along with the English translation of proceedings followed by English Translation of all written submissions received has been given in Annexure XXXIV of EIA (January 2026, UID No. 202601002) .
4	ESZ: Project site if located within notified Eco-Sensitive Zone, as per MoEF & CC Office Memorandum dated 8/8/2019.	Not applicable as no National Park/Sanctuary is located within 10 km radius of plant.
5	Certified Compliance Report: A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022	Certified Compliance Report (CCR) received from MoEF&CC's Regional Office at Raipur, Chhattisgarh vide letter no. F.No. IRO-RPR/ENV/IND/03/2025/121 dated 22.12.2025 and has been enclosed in Annexure XXIX . The Action Taken Report (ATR) has been given in Annexure XXX of EIA (January 2026, UID No. 202601002) .
6	CTO: Compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022.	Since the plant has not completed construction, no CTO has been obtained. Hence, not applicable.
7	Critically and Severely Polluted Areas: Detailed action plan to be submitted in the EIA/EMP Report as per MoEF & CC O.M. No. 22- 23/ 2028-IA.III dated 31/10/2019 and MoEF & CC O.M. No.22-23/2028-IA.III dated 05/07/2022	Project does not fall in any critically or severely polluted area. The Durg – Bhilai area polluted is present within 10 km of the project, but outside 5 km and therefore does not fall under General condition (ii) if the EIA Notification 2006 & its amendments till date. It is neither critically polluted nor severely polluted as per the last available list in NGT order dated 14.11.2019 in Original Application No. 1038/2018,

Sl. No.	OM description	Compliance status
		hence, no action plan is available on CPCB website as on 20.05.2025.
8	Corporate Environment Responsibility: Time bound action plan as per the MoEF & CC Office Memorandum dated 30/09/2020 for community development activities.	Public hearing was held on 28.08.2025, an Action plan has been prepared and given in Table 7.14, Chapter 7 of EIA (January 2026, UID No. 202601002).
9	EIA Report preparation: The instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August. 2009, which are available on the website of this Ministry, should also be followed.	Complied. EIA Report has been prepared as per OM
10	Compliance statement to the criteria specified under 'Clause - 9, Chapter 3 - Criteria for establishment of industrial plant' of the G.S.R 85(E) dated 30th January, 2025	
(1)	Restrictions on establishing an industrial unit at a location may be imposed taking into account the technological and scientific developments that have taken place in industrial planning and manufacturing process in order to protect the sensitive areas, such as national parks, sanctuaries, wetlands and archaeological monuments.	Duly Noted.
(2)	The industrial unit shall comply with respective criteria fixed by the Central Government or the State Government or the Union territory Administration, as the case may be	Duly noted for compliance
(3)	While establishing an industrial plant, the following minimum distance shall be maintained, namely	As below:
(a)	from the nearest boundary of surface water body (flood plain/ HFL/Red line) as per the revenue	● This is a red category industry. ● The Office of Executive Engineer, Water Resources Division, /W/Rajnandgaon has issued a letter no. 577/W/2025 dated

Sl. No.	OM description	Compliance status
	records in case of industrial unit of- (i) red category, beyond five hundred meters; (ii) orange category, (A) with effluent generation, beyond seventy-five meters; (B) without effluent generation, beyond thirty meters; (iii) green category, beyond thirty meters;	24.02.2025 stating that the industry is not in the flood affected area of Shivrath River and there has been no flood in the last 20-25 years around the industrial site. The department has no objection in this regard. (Copy given in Annexure XXVII of EIA (January 2026, UID No. 202601002)).
(b)	from the settlement, educational institute, worship place, archaeological monuments, national park, reserve forest, heritage site, in case of industrial unit of - (i) red category, beyond five hundred meters; (ii) orange category, beyond two hundred meters; (iii) green category, beyond one hundred meters.	● This is a red category industry. ● No Settlements are there within 500 m. Nearest settlements is at Kopedih (700 m, S) ● Educational institute- Nil within 500 m ● Worship places- Nil within 500 m ● Archaeological monuments - Nil within 500 m ● National park - nil in 10 km radius ● Reserve forest - Nil within 500 m. Nearest 3.4 km (R.F. near Mangata) ● Heritage site - Nil within 500 m
(c)	The State Board shall ensure that other laws, rules, and regulations, and notifications are complied with by the industrial plant.	CTE & CTO will obtained from CECB for the expansion plant & complied to. For the existing plant CTE has been obtained.
(d)	The natural or storm drain passing through the location of industrial unit shall not be disturbed.	The seasonal drain shall be conserved in the original form. This will ensure free flow of rainwater from its natural catchment to downstream. The Water Resources Department has granted NOC for culvert construction vide letter no. 1903/kary/2025 dated 20.06.2025, copy of which is given in Annexure XXVIII of EIA (January 2026, UID No. 202601002) .

Written submission by the PP:

- 28.2.21 During the meeting, based on the deliberations made by the EAC, the project proponent vide letter dated 21.05.2026 & 24.05.2026 through email dated 21.05.2026 & 24.05.2026 submitted the following:

Point No 1 : Mitigation plan for Sensitive receptors to be prepared for all receptors within 2 km radius in addition to the nearest receptors submitted in Table 4.24 of EIA.

Reply: Mitigation plan for Sensitive receptors has been prepared for all receptors within 2 km radius is submitted.

Point No 2: Review the budget for the execution of the Action Plan for compliance of points raised by public during public hearing conducted on 28.08.2025

Reply: The budget for the execution of the Action Plan for compliance of points raised by public during public hearing conducted on 28.08.2025 has been reviewed and the budget allocated in EIA of Rs. 15.51 Crores has been enhanced to Rs. 59.00 crores as updated in relevant para above.

Point No 3: Review the EMP budget, which appears to be on lower side

Reply: The budget for the Environment Management Plan (EMP) has been reviewed and the budget allocated in EIA of Rs. 71.42 Crores capital & 48.07 crores recurring has been enhanced to Rs. 318.5 crores capital and Rs. 67.74 crores/annum recurring cost. The heading wise break up of the same is updated in relevant para above.

Point No 4: Undertaking on widening of road from plant to Joratarai

Reply: The company confirms that it will undertake widening of the existing 4 m road from the plant gate to Joratarai, over a length of 4.4 km at a budget of Rs. 8.8 crores.

Point No 5: Affidavit w.r.t. land involved in the project

Reply: The land acquisition status is as follows:

Description	Under possession in ha	Under process in ha	Total in ha
Existing	38.68	0	38.68
Proposed	39.78	5.561	45.341
Total	78.46	5.561	84.021

PP has received a comfort letter from the Gram Panchayat, Anjora issued on behalf of the land owners covering an area of 5.221 ha, and a consent letter from Mr Virendra Kumar for an area of 0.320 ha. In addition to this, a NOC has been obtained from the Collector, Rajnada, CG for an area of 0.02 ha. Thus, for total 5.561 ha land which was shown as "Under Process", consent letter/NOC has been obtained in compliance to the MOEF&CC's OM no. F. No. 22-76/2014-IA-III dated 20.02.2025. Copy of comfort letter and NOC letter is submitted.

The affidavit regarding 78.46 Ha land owned by the Company has been submitted.

Point No 6: Compliance status of the previous public hearing held on 16.12.2022 for EC dated 08.05.2024

Reply: The compliance status of previous year and action plan for 2026-27 is submitted.

Deliberations by the Committee

28.2.22 The Committee noted the following:

1. The instant proposal is for expansion of integrated Steel Plant from 0.4785 MTPA to 0.9285 MTPA finished steel products (0.466 MTPA to 2.012 MTPA crude steel) and area expansion from 38.68 Ha to 84.021 Ha.
2. The existing project was accorded environmental clearance EC vide Ir.no. IA-J-11011/1172/2007-IA-II(IND-I), dated 08.05.2024 for greenfield project of Sponge Iron 660000 TPA; MS Billets 465696 TPA; Rolled Steel Products through Hot Charging & Reheating Furnace 478500 TPA; Iron Ore Pellets 1.2 MTPA; SAF to produce SiMn 36000 TPA and/or FeMn 46000 TPA and/or FeSi 22,500 TPA and/or Pig iron 63000 TPA; Captive Power of 75MW (50MW thru WHRB & 25MW thru CFBC); Pipe Mill 155100 TPA; Galvanized Mill

155100 TPA and Fly Ash Bricks 41500 TPA. CTE was taken vide letter no. 5666/TS/CECB/2024 dated 24/09/2024 valid till 23/08/2029 but no construction/ development started. Hence, Consent to Operate has not been obtained.

3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is a brownfield proposal. Accordingly, CECB furnished its comments and environment safeguards vide its letter dated 12.05.2026. The EAC apprised the proposal taking into consideration the comment and environment safeguards suggested by SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nullahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The project proponent submitted that the total land requirement for the project is 84.021 ha, comprising 82.986 ha of private land and 1.035 ha of government land. Out of this, 38.680 ha is existing land and an additional 45.341 ha has been proposed for expansion. The land use of the project site includes industrial and agricultural land, with no forest land involved. It was further reported that 38.680 ha of existing land is already under possession of the company, and out of the additional land requirement, 40.12 ha has been acquired, while 5.561 ha is under process. The PP also submitted that they have obtained a comfort letter from the Gram Panchayat for 5.221 ha, along with consent letters from landowners (0.320 ha), and a No Objection Certificate (NOC) from the Collector for the remaining land (0.02 ha) under process. An affidavit confirming ownership/possession of 78.46 ha of land has also been submitted by the company. The Committee opined that the PP shall complete acquisition of the remaining land in a time-bound manner and ensure that all requisite statutory permissions, including land conversion wherever applicable, are obtained.

9. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Kopedih Village is located at about 0.7 km in the southwest direction, along with other nearby habitations. Educational institutions such as Primary School, Magarlota are located at about 1.27 km in the west direction. In addition, several healthcare facilities including Central India Institute of Mental Health and Neuro Sciences (~1.47 km, S), Primary Health Center Mangata (~3.39 km, NNW), and other hospitals are present within the study area, along with other sensitive areas within the study area of the project site. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.
10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
11. The Committee noted the submission of the project proponent regarding clearance of 107 trees, including transplantation of 45 trees over an area of 0.15 ha. It was further noted that the tree cutting/felling permission has been obtained from the Divisional Office (Revenue) vide letter no. 303 dated 24.02.2026. The Committee emphasized that tree felling shall be limited to bare minimum and in consultation and supervision of State Forest Department.
12. A seasonal minor drain and a branch canal are located within the project area, Khapri Nala at about 0.1 km (N), Raja Talab at about 0.5 km (S), a water body near Kopedih at about 1.2 km (SW). PP reported that existing nalas will not be disturbed and the storm water drainage system of the plant will be constructed along the internal roads of the plant. The Water Resources Department has granted NOC for culvert construction vide letter no. 1903/Work/2025 dated 26.06.2025. PP further reported that the project site is not located in the vicinity of the river. The nearest river is Seonath River at a distance of 3.4 km. The Office of Executive Engineer, Water Resources Division W/ Rajnandgaon has issued a letter no. 577/W/2025 dated 24.02.2025 stating that the industry is not in the flood affected area of Shivnath River and there has been no flood in the last 20-25 years around the industrial site. The department has no objection in this regard. Further, there are other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures.
13. Existing Water requirement is 4400 m³/day (183.3 KLH), which will be obtained from the Shivnath (a.k.a. Seonath) River, treated waste water and rain water harvesting pond and ground water. The water requirement for the proposed project is estimated as 37,417 m³/day (1592 m³/hr), out of which 35,501 m³/day (1512 m³/hr) of fresh water requirement will be obtained from the Shivnath (a.k.a Seonath) River, rain water harvesting and ground water while the

remaining requirement of 1,916 m³/day will be met from the recycled water. The EAC opined that the PP shall secure the required approval from the appropriate authority.

14. It is reported that Schedule I species is present within Buffer zone which has 12 species, namely. Indian Wolf (*Canis lupus*), Jungle cat (*Felis chaus*), Grey mongoose (*Urva edwardsii*), Indian fox (*Vulpes bengalensis*), Pangolin (*Manis Crassicaudata*), Indian cobra (*Naja naja*), Rat Snake (*Ptyas mucosa*), Russel's Viper (*Daboia russelii*), Bengal Monitor (*Varanus bengalensis*), Python (*Python molurus*), Common barn owl (*Tyto alba*) and Indian Peafowl (*Pavo cristatus*). The Wildlife Conservation and Management Plan has been prepared and the same is approved by PCCF (Wildlife and biodiversity conservation)-cum-CWLW vide letter No. 756/153 dated 04.07.2025. The EAC opined that the recommendations of the approved plan shall be ensured to be strictly implemented in coordination with the State Forest Department.
15. The Committee deliberated upon the submission made by the project proponent regarding widening of the existing 4 m road to 10 m along with the avenue plantation on both the side from the plant gate to Joratarai, over a length of 4.4 km at a budget of Rs. 8.8 crores. The EAC opined that the same shall be completed within a defined timeframe in consultation with the State Authorities.
16. The EAC deliberated on installation of Coke Dry Quenching (CDQ) system and, considering the size of plant, technical feasibility and operational aspects of the project, opined that a Modified Wet Quenching system may be adopted. The Committee further recommended that the system shall be designed with appropriate pollution control measures to minimize environmental impacts from coke quenching operations.
17. The Committee deliberated on the compliance status of the previous public hearing held on 16.12.2022 for EC dated 08.05.2024 and found it satisfactory. The Committee also deliberated on the public hearing issues, and the socio-economic Development plan, with allocation of Rs. 59 crores for implementation of the commitments made during Public Hearing and found it satisfactory.
18. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
19. The PP reported that existing green belt was to be developed in 13.15 ha area which is about 34% of the total project area of 38.68 ha with total sapling of 32875 Trees. Proposed greenbelt will be developed in 14.58 ha which is about 32.15% of the total project area. Thus total of 27.73 ha area (33% of total project area) will be developed as greenbelt. Total no. of 69325 saplings will be planted and nurtured in 27.73 hectares in 5 years. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be developed within 33% of total project area, as committed, within a period of 3 years and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.

20. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
21. The EAC deliberated on the written submission of the project proponent and found it satisfactory.
22. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
23. The Committee noted the detailed comments furnished by the Chhattisgarh Environment Conservation Board (CECB) vide its letter dated 12.05.2026 on the proposed project of M/s Kalyani Ispat Limited, Chhattisgarh, and observed that the Board has recommended environmental safeguards including adoption of zero liquid discharge, provision of adequate ETP/STP systems, installation of air pollution control measures such as ESPs/bag filters and covered conveyors, implementation of dust suppression measures, and installation of continuous monitoring systems (OCEMS/CAAQMS) with connectivity to SPCB/CPCB servers, and ensuring compliance with prescribed emission standards. The Board has also emphasized proper solid and hazardous waste management, development of adequate greenbelt, rainwater harvesting, storm water management, prevention of contamination of nearby water bodies, and adherence to occupational health and safety measures. Further, unit-wise safeguards have been prescribed for various project components including Sponge Iron, Pellet Plant, Sinter Plant, Coke Oven, Captive Power Plant, Coal Washery and other associated facilities. The Committee, after deliberation, advised that the relevant recommendations of CECB, to the extent not already covered in the EIA/EMP and EAC conditions, shall be incorporated suitably without duplication, and the point-wise deliberations are as follows:

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
1. Strict adherence to EC conditions:		
1.	All terms and conditions of the Environmental Clearance shall be followed without deviation.	Already prescribed by EAC
2. Effluent Management:		
1.	The project shall operate on "Zero Liquid Discharge" shall be maintained. Process effluent shall be treated and will be recycled and reused in the process.	Already prescribed by EAC
2.	Separate ETP/STP systems shall be provided for industrial effluent and domestic sewage respectively.	Already prescribed by EAC
3.	Cooling water blowdown, DM reject, beneficiation plant effluent, coke oven effluent and washery effluent shall be treated and recycled.	Already prescribed by EAC
4.	No untreated/partially treated effluent shall be discharged outside plant premises or into any natural drain/water body.	Already prescribed by EAC
5.	Beneficiation plant slurry/tailing management system shall be scientifically designed with thickener, tailing storage arrangement and recycle system.	Already prescribed by EAC

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
6.	Tailing pond, sludge storage area and hazardous waste storage area shall have impervious HDPE lining to prevent groundwater contamination.	Deliberated and incorporated by EAC
7.	Garland drains, settling pits and storm water management system shall be provided to prevent contamination of storm runoff.	Already prescribed by EAC
8.	Flow meters shall be installed at all major water consumption and recycle points.	Already prescribed by EAC
9.	Groundwater extraction, if any, shall be only after obtaining permission from CGWA/competent authority.	Already prescribed by EAC
10.	Online Continuous Effluent Monitoring System (OCEMS) shall be installed for major effluent discharge/recycle streams wherever applicable.	Already prescribed by EAC
3. Air Pollution Control:		
1.	All major air pollution generating units including Sponge Iron Kilns, Pellet Plant, Sinter Plant, MBF, Coke Oven, CPP, Lime Calcination Plant, SAF and Cement Grinding Unit shall be provided with adequate APCDs such as ESP, Bag Filter, Cyclone, Wet Scrubber, De-dusting System etc. designed to achieve prescribed emission norms at all times.	Already prescribed by EAC
2.	Online Continuous Emission Monitoring Systems (OCEMS) shall be installed for all major stacks and data connectivity shall be provided to CPCB and CECB servers.	Already prescribed by EAC
3.	Fugitive emission control systems including dry fog system, water sprinkling, dust extraction system and covered conveyors shall be installed at all raw material handling, crushing, screening, transfer and loading/unloading points.	Already prescribed by EAC
4.	All conveyors carrying coal, iron ore, pellets, coke, fly ash, slag and dust-prone materials shall be fully covered/enclosed.	Already prescribed by EAC
5.	Internal roads shall be paved and mechanized road sweeping arrangement shall be provided.	Already prescribed by EAC
6.	Adequate wheel washing system shall be installed at plant exit gates to prevent carryover of dust/mud on public roads.	Already prescribed by EAC
7.	All trucks transporting raw materials and finished products shall be covered with tarpaulin/GPS-enabled covered transportation system.	Already prescribed by EAC
8.	Ambient Air Quality Monitoring Stations including Continuous Ambient Air Quality Monitoring Stations (CAAQMS) shall be established in downwind direction and nearby villages.	Already prescribed by EAC
9.	Coke Oven emissions including Benzene Soluble Organic Fraction (BSOF) and fugitive emissions from charging/pushing operations shall be adequately controlled.	Deliberated and incorporated by EAC

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
10.	Secondary fume extraction system shall be installed in steel melting and ferro alloy operations.	Already prescribed by EAC
11.	Adequate stack height shall be provided as per CPCB norms for all stacks.	Already prescribed by EAC
12.	Hot air/gas leakage from kilns, furnaces and coke ovens shall be prevented through proper maintenance and monitoring.	Deliberated and incorporated by EAC
4. Noise Control Measures:		
1.	The project proponent shall ensure that PM10, PM2.5, SO2 and NOx levels in nearby residential areas remain within prescribed NAAQS limits after expansion.	Already prescribed by EAC
2.	Acoustic enclosure/noise control measures shall be provided for turbines, compressors, DG sets, blowers and other high-noise equipment.	Already prescribed by EAC
3.	Periodic noise monitoring shall be conducted in plant area and nearby villages.	Already prescribed by EAC
4.	Occupational noise exposure standards shall be complied with and workers shall be provided PPEs.	Already prescribed by EAC
5. Waste Management:		
1.	Complete utilization plan for fly ash, ESP dust, mill scale, slag, BF slag, LD slag, kiln accretion, coke breeze and other solid wastes shall be implemented.	Already prescribed by EAC
2.	Slag generated from iron and steel operations shall be scientifically processed and utilized in cement, road making, construction or other approved uses.	Already prescribed by EAC
3.	Hazardous wastes including used oil, ETP sludge, tar sludge, spent refractories, chemical sludge etc. shall be stored and disposed as per Hazardous and Other Wastes Rules, 2016.	Already prescribed by EAC
4.	Dedicated covered storage area with impervious flooring and leachate collection system shall be developed for hazardous wastes.	Already prescribed by EAC
5.	Coal washery rejects utilization/disposal shall comply with applicable MoEF&CC and CPCB guidelines.	Already prescribed by EAC
6.	Fly ash utilization shall comply with latest Fly Ash Notification.	Already prescribed by EAC
7.	Tailings from beneficiation plant shall not be dumped indiscriminately and shall be scientifically managed with stability analysis and monitoring.	Deliberated and incorporated by EAC
8.	Project proponent shall comply all the provisions of Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, E-Waste Rules, 2016, Construction & Demolition Waste Management Rules, 2016.	Already prescribed by EAC

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
9.	Project proponent shall comply with the provision of Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules, 2016 (as amended till date).	Already prescribed by EAC
10.	Project proponent shall ensure utilization of fly ash, bottom ash and legacy ash (unutilized accumulated ash) as per provisions of notification dated 31/12/2021 (as amended on dated 30/12/2022) issued by MoEF & CC regarding utilization of ash.	Already prescribed by EAC
6. Rain Water Harvesting:		
1.	The recharge pits are to be constructed for recharging the rain water.	Already prescribed by EAC
2.	Rainwater harvesting structures shall be developed within plant premises.	Already prescribed by EAC
3.	Rain water to be collected and used for recharging ground water table and to be used in lean season.	Already prescribed by EAC
7. Greenbelt and Soil Conservation:		
1.	Green belt of adequate width with dense plantation using native species shall be developed over at least 33% of total project area, particularly along plant boundary, roadsides and near habitations.	Already prescribed by EAC
8. Other Conditions :		
1.	Investment slab given in Environmental Clearance increases (if any) by the time of application for obtaining Consent to Operate from CECB, Project proponent shall pay difference fees as per rules.	Already prescribed by EAC
2.	Industry shall obtain all the land document mentioned in EC and shall submit at the time of applying for CTO.	Already prescribed by EAC
3.	Project Proponent shall obtain NOC from Gram panchayat before CTO application.	Already prescribed by EAC
4.	Appropriate water and air pollution control systems should be installed before applying for Consent to Operate.	Already prescribed by EAC
5.	Coal, coke breeze, fly ash and fine materials shall be stored in covered sheds/silos.	Already prescribed by EAC
6.	Coke Oven chemicals, tar, oil and other hazardous chemicals shall be stored with secondary containment arrangement.	Already prescribed by EAC
7.	Adequate fire fighting and emergency response system shall be installed in all units.	Already prescribed by EAC
8.	A comprehensive traffic management plan shall be implemented to avoid congestion and dust nuisance in nearby villages.	Already prescribed by EAC
9.	Dedicated approach roads/bypass roads shall be developed wherever required.	Already prescribed by EAC

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
10.	Transportation of iron ore, coal and other dusty materials through villages shall be minimized.	Already prescribed by EAC
11.	Separate Environment Management Cell headed by qualified environmental professionals shall be established.	Already prescribed by EAC
12.	Environmental laboratory with NABL recognition/standard facilities shall be established for regular monitoring.	Already prescribed by EAC
13.	Six-monthly compliance reports of EC conditions shall be submitted to MoEF&CC, CPCB and CECB and uploaded on company website.	Already prescribed by EAC
14.	Public complaints register and grievance redressal mechanism shall be maintained and action taken reports shall be submitted to CECB.	Deliberated and incorporated by EAC
15.	Real-time monitoring data of emissions and effluent shall be displayed at plant gate and website.	Deliberated and incorporated by EAC
16.	Detailed Risk Assessment and Disaster Management Plan shall be implemented for Coke Oven, Producer Gas Plant, Oxygen plant, SAF and fuel handling areas.	Already prescribed by EAC
17.	Adequate gas leak detection and alarm systems shall be installed.	Already prescribed by EAC
18.	On-site and off-site emergency plans shall be prepared in coordination with District Administration.	Already prescribed by EAC
19.	Periodic mock drills shall be conducted.	Already prescribed by EAC
20.	Periodic health check-up of workers and nearby villagers shall be carried out with special focus on respiratory diseases.	Already prescribed by EAC
21.	CSR/CER activities shall prioritize drinking water supply, health facilities, plantation and road improvement in nearby villages.	Already prescribed by EAC
22.	Special mitigation measures shall be implemented if any habitation falls within immediate impact zone.	Already prescribed by EAC
23.	Prior to commissioning of expansion units, all pollution control systems, monitoring systems, solid waste utilization systems and greenbelt development shall be completed.	Already prescribed by EAC
24.	Existing environmental non-compliances, if any, observed in existing plant shall be rectified before commissioning of expansion project.	Already prescribed by EAC
25.	No expansion unit shall be commissioned without obtaining Consent to Operate from CECB as applicable.	Already prescribed by EAC

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
26.	Separate environmental management plan shall be prepared for Pellet Plant with Beneficiation and Coal Washery considering high fugitive dust and slurry generation potential.	Already prescribed by EAC
27.	Producer Gas Plant and Coke Oven Plant shall comply with all applicable safety and emission norms due to toxic and combustible gases involved.	Already prescribed by EAC
28.	Baseline environmental quality of nearby villages shall be periodically assessed during construction and operation phases.	Deliberated and incorporated by EAC
29.	Adequate plantation buffer and dust barrier shall be developed towards nearby villages and sensitive receptors.	Already prescribed by EAC
30.	The project proponent shall ensure that no wastewater, process sludge, tailings or solid waste is discharged/dumped outside the premises causing public complaints or environmental degradation.	Deliberated and incorporated by EAC
31.	Industry shall submit the compliance statement to the conditions stipulated in Environmental Clearance letter. Consent conditions and environmental monitoring data shall be uploaded periodically on company website and submitted to regulatory authorities.	Already prescribed by EAC
32.	Application for Consent to Operate (CTO) shall be made after compliance of environmental clearance and all conditions of above Environmental Safeguards.	Already prescribed by EAC

24. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
25. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
26. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

28.2.23 In view of the foregoing and after detailed deliberations, the committee **recommended** the instant proposal under the provisions of EIA Notification, 2006 for grant of Environment Clearance **subject to uploading of written submission placed before EAC on PARIVESH portal**. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions are mentioned below:

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. PP shall complete acquisition of the remaining land in a time-bound manner and ensure that all requisite statutory permissions, including land conversion wherever applicable, are obtained.
- v. Kopedih Village is located at about 0.7 km in the southwest direction, along with other nearby habitations. Educational institutions such as Primary School, Magarlota are located at about 1.27 km in the west direction. In addition, several healthcare facilities including Central India Institute of Mental Health and Neuro Sciences (~1.47 km, S), Primary Health Center Mangata (~3.39 km, NNW), and other hospitals are present within the study area, along with other sensitive areas within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
- vi. Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
- vii. The project proponent shall obtain necessary permissions from the State Forest Department/competent authority for tree cutting and transplantation and implement the same

- as per the approved plan. Tree felling shall be limited to bare minimum and in consultation and supervision of State Forest Department.
- viii. A seasonal minor drain and a branch canal are located within the project area, Khapri Nala at about 0.1 km (N), Raja Talab at about 0.5 km (S), a water body near Kopedih at about 1.2 km (SW) along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
 - ix. The project proponent shall ensure that existing natural drains/nalas are not disturbed and that an adequate storm water drainage system is constructed within the plant premises as committed. The PP shall also comply with the conditions stipulated in the NOC granted by the Water Resources Department dated 26.06.2025.
 - x. Existing Water requirement is 4400 m³/day (183.3 KLH), which will be obtained from the Shivnath (a.k.a. Seonath) River, treated waste water and rain water harvesting pond and ground water. The water requirement for the proposed project is estimated as 37,417 m³/day (1592 m³/hr), out of which 35,501 m³/day (1512 m³/hr) of fresh water requirement will be obtained from the Shivnath (a.k.a. Seonath) River, rain water harvesting and ground water while the remaining requirement of 1,916 m³/day will be met from the recycled water. PP shall secure the required approval from the appropriate authority.
 - xi. As committed, the project proponent shall undertake widening of the existing 4 m road to 10 m road along with the avenue plantation on both the side from the plant gate to Joratarai over a length of 4.4 km at the committed cost of Rs. 8.8 crores, in a time-bound manner and in consultation with the concerned State Authorities.
 - xii. Green Belt shall be developed and maintained in the 27.73 ha area (33% of total project area), as committed and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop the greenbelt within a period of 3 years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
 - xiii. The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (<https://merilife.nic.in>).
 - xiv. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 59 crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (*such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill*). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
 - xv. PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission,

State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.

- xvi. The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
- xvii. PP shall Install CO sensors with alarms at strategic locations in the Plant.
- xviii. PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
- xix. PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
- xx. The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
- xxi. The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xxii. PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
- xxiii. PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
- xxiv. Tailing pond, sludge storage area and hazardous waste storage area shall have impervious HDPE lining to prevent groundwater contamination.
- xxv. Tailings from beneficiation plant shall not be dumped indiscriminately and shall be scientifically managed with stability analysis and monitoring.
- xxvi. Coke Oven emissions including Benzene Soluble Organic Fraction (BSOF) and fugitive emissions from charging/pushing operations shall be adequately controlled.
- xxvii. Hot air/gas leakage from kilns, furnaces and coke ovens shall be prevented through proper maintenance and monitoring.

- xxviii. Public complaints register and grievance redressal mechanism shall be maintained and action taken reports shall be submitted to CECB.
- xxix. Real-time monitoring data of emissions and effluent shall be displayed at plant gate and website.
- xxx. Baseline environmental quality of nearby villages shall be periodically assessed during construction and operation phases.
- xxxi. The project proponent shall ensure that no wastewater, process sludge, tailings or solid waste is discharged/dumped outside the premises causing public complaints or environmental degradation.
- xxxii. The project proponent shall carry out regular ambient air quality monitoring within the vicinity of plant premises, including nearby habitations, to assess incremental Ground Level Concentrations (GLC) due to project activities.
- xxxiii. The recommendations of CECB, to the extent not already covered under the stipulated EC conditions, shall be incorporated suitably without duplication.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.

- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration. (In cases of iron ore /cola/coke/lime/other fines)
- x. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
- xi. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xiii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xiv. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
- xv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xvi. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xvii. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xviii. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xix. Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
- xx. The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
- xxi. The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
- xxii. Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible

limit for silica/quartz should be within 10 mg/m³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants.

- xxiii. Modified wet quenching shall be used in coke ovens battery.
- xxiv. Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility). Land-based APC system shall be installed to control coke pushing emissions.
- xxv. Monitor CO, HC and O₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
- xxvi. Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.
- xxvii. The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
- xxviii. The emission norms applicable for the cement plant shall be adhered to.
- xxix. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- xxx. Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
- xxxi. The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
- xxxii. The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.
- xxxiii. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxxiv. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
- xxxv. Ductile Iron (DI) plant shall have the following provisions:
 - a. Bag filter for Zn coating and Mg converter area.
 - b. Wet scrubbers in paint and bitumen coating area.
 - c. Bag Filter in Cement lining area.
 - d. PTFE dipped bags shall be used in the plant.
 - e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm³.
 - f. ETP with recycling facility shall be included.
- xxxvi. Basic Oxygen Furnace (BOF) gas shall be cleaned dry.
- xxxvii. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xxxviii. Low NO_x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- x. The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
- xi. Treated water from ETP of COBP shall not be used for coke quenching.
- xii. The effluent discharge (workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
- xiii. Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
- xiv. The rejects/middling should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run of from reject dumping sites.
- xv. An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
- xvi. Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.

- xvii. Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
- xviii. No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m³/tonne of raw coal.
- xix. Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
- xx. The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the Project Site up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government
- xxi. Air Cooled condensers shall be used in the captive power plant.
- xxii. Tailing management plan shall be implemented as included in EIA report.
- xxiii. Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.

IV. Noise monitoring and prevention

- iv. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- v. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- vi. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

V. Energy Conservation measures

- i. Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
- ii. Restrict Gas flaring to < 1%.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- iv. Provide LED lights in their offices and residential areas.
- v. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- vi. Practice hot charging of slabs and billets/blooms as far as possible.
- vii. Ensure installation of regenerative type burners on all reheating furnaces.
- viii. Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
- ix. Modified Wet Quenching System shall be provided for coke quenching for both recovery and non-recovery type coke ovens.

- x. The project proponent shall provide waste heat recovery system on the DRI Kilns.
- xi. The dolochar generated shall be used for power generation.
- xii. Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
- xiii. The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
- xiv. The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production.
- xv. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. Solid waste utilization
 - a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
 - b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
 - c. Used refractories shall be recycled as far as possible.
- vii. SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
- viii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
- ix. Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
- x. In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.

- xi. Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).
- xii. Rejects / Middlings from coal washery shall be used either in the captive power plant (or) in the Thermal Power Plants or any other industry meeting emission standards.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Agenda No. 28.3

28.3 Establishment of Greenfield steel plant comprising of DRI Kilns (Sponge Iron - 1,75,200 TPA), Induction Furnaces with matching CCM (90 % Hot Billets remaining 10% Billets – 1,65,600 TPA), Rolling Mills (TMT bars / Structural Steel) (Hot charging with Hot Billets and Billets through RHF with producer gas as fuel – 2,07,000 TPA), Coal Gasifier – 4000 Nm³ /hr., Ferro Alloy Unit 1 x 9 MVA & 1 x 7.5 MVA (FeSi – 12,800 TPA/ FeMn – 36,600 TPA/ SiMn – 25,600 TPA/FeCr – 27,000 TPA/ Pig Iron - 44,000 TPA), Briquetting Plant (200 Kg/Hr.), WHRB based Power Plant – 2 x 5 MW, FBC based Power Plant – 1 x 5 MW & Brick Manufacturing unit (20,000 Bricks / Day) by M/s. MR Integrated Steels Pvt. Ltd, located at Konka & Rounda Villages, Dhamdha Tehsil, Durg District, Chhattisgarh- Consideration of EC.

[Proposal no.: IA/CG/IND1/560889/2026; File No. IA-J-11011/228/2024-IA-II (IND-I)]

[Consultant: Pioneer Enviro Consultants Private Limited; Valid upto: 09.09.2029]

28.3.1 MR Integrated Steels Pvt. Ltd. has made an online application vide proposal no. IA/CG/IND1/560889/2026 dated 01.04.2026 along with copy of EIA report and Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(a) Metallurgical Industries (ferrous & non-ferrous) and 1(d) Thermal Power Plants under Category “A” of the schedule of the EIA Notification, 2006 and attracts general condition due to interstate boundary and therefore being appraised at Central Level.

28.3.2 Name of the EIA consultant: M/s. Pioneer Enviro Consultants Private Limited [List of ACOs with their Certificate / Extension Letter No: NABET/EIA/25-28/RA 0456; valid upto 21.09.2028].

Details submitted by Project proponent

28.3.3 The detail of the ToR is furnished as below:

Date of Application	Consideration	Details	Date of Accord	ToR Validity
25.05.2024	61 st meeting of the EAC for Industry-I	Terms of Reference	10.08.2024	09.08.2028

	sector held on 18 th – 19 th June 2024			

28.3.4 The project of M/s. MR Integrated Steels Pvt. Ltd. located at Konka & Rounda Villages, Dhamdha Tehsil, Durg District, Chhattisgarh is for establishment of a Greenfield Steel Plant comprising of DRI Kilns (sponge iron -1,75,200 TPA), Induction Furnaces with matching LRF & CCM (90 % Hot Billets to Rolling Mill & remaining 10% Billets through RHF)– 1,65,600 TPA), Rolling Mills to produce TMT bars / Structural Steel (90% Hot charging with Hot Billets and 10% Billets through RHF with producer gas as fuel – 2,07,000 TPA), Coal Gasifier – 3500 NM3/Hr., Ferro Alloy Unit 1 x 9 MVA & 1 x 7.5 MVA (FeSi – 12,800 TPA/ FeMn – 36,600 TPA/ SiMn – 25,600 TPA/FeCr – 27,000 TPA/ Pig Iron - 44,000 TPA), Briquetting Plant (200 Kg/Hr), WHRB based Power Plant – 2 x 5 MW, FBC based Power Plant – 1 x 5 MW & Brick Manufacturing unit (20,000 Bricks / Day).

28.3.5 Details of EDS

Reply to the EDS raised vide dt. 25/03/2026

S.No.	EDS point	Reply by Management
1.	PP is requested to upload land documents in notarized English translation, and as per the OM dated 07-10-2014.	Notarized English translation of land documents are uploaded in Parivesh Portal.
2.	PP may enlist all the environmentally sensitive receptors within the study area like Schools, Villages, Habitations, Archaeological sites, Forest, water bodies etc. and other environmentally sensitivity area, along proposed mitigation measures for perusal and appraisal by EAC	Details of environmental safeguards and mitigation measures of all the sensitive receptors are uploaded in Parivesh Portal.

28.3.6 Environmental Site Settings:

S.No.	Particulars	Details	Remarks												
1.	Total land	Total land envisaged for the proposed project is 15.36 Ha.	---												
2.	Land acquisition details as per MoEF&CC O.M. dated October 2014.	Total land identified for the proposed project is 15.36 Ha. and same is registered in the name of M/s. MR Integrated Steels Pvt. Ltd.	Entire Land is diverted for Industrial Purpose												
3.	Existence of habitation & involvement of R&R, if any.	Project site: No habitation exists in the plant site. Nawagoan Village- 0.9 Kms. (N Direction)	R & R is not applicable												
4.	Latitude and Longitude of the project site	<table><tr><th>S.No.</th><th>Point</th><th>Coordinates</th></tr><tr><td>1.</td><td>Point # 1</td><td>21° 29'14.37"N 81°11'39.60"E</td></tr><tr><td>2.</td><td>Point # 2</td><td>21° 29'14.00"N 81°11'46.56"E</td></tr><tr><td>3.</td><td>Point # 3</td><td>21° 9'11.12"N 81°11'47.58"E</td></tr></table>	S.No.	Point	Coordinates	1.	Point # 1	21° 29'14.37"N 81°11'39.60"E	2.	Point # 2	21° 29'14.00"N 81°11'46.56"E	3.	Point # 3	21° 9'11.12"N 81°11'47.58"E	--
S.No.	Point	Coordinates													
1.	Point # 1	21° 29'14.37"N 81°11'39.60"E													
2.	Point # 2	21° 29'14.00"N 81°11'46.56"E													
3.	Point # 3	21° 9'11.12"N 81°11'47.58"E													

S.No.	Particulars	Details			Remarks															
		4.	Point # 4	21° 9'10.52"N 81°11'57.22"E																
		5.	Point # 5	21°29'02.68"N 81°11'56.06"E																
		6.	Point # 6	21° 9'03.94"N 81°11'59.12"E																
		7.	Point # 7	21°9'02.17"N 81°11'59.03"E																
		8.	Point # 8	21° 9'00.09"N 81°11'56.16"E																
		9.	Point # 9	21°28'56.98"N 81°11'55.51"E																
		10.	Point # 10	21° 29'5.88"N 81°11'46.05"E																
		11.	Point # 11	21° 29'5.98"N 81°11'41.83"E																
5.	Elevation of the project site	91.776 m to 100.696 m			---															
6.	Involvement of Forest Land, if any	Not applicable as no Forest land is involved in the project site.			---															
7.	Water body exists within the project site as well as study area	Project Site: Nil Study area: <table><tr><th>Name</th><th>Distance (Kms.)</th><th>Direction</th></tr><tr><td>Konka Village Pond</td><td>0.03</td><td>N</td></tr><tr><td>Moti Nala</td><td>2.00</td><td>E</td></tr><tr><td>Kulhuri Nala</td><td>7.00</td><td>S</td></tr><tr><td>Amner River</td><td>7.10</td><td>S</td></tr></table>			Name	Distance (Kms.)	Direction	Konka Village Pond	0.03	N	Moti Nala	2.00	E	Kulhuri Nala	7.00	S	Amner River	7.10	S	NOC has been issued by Water Resources department govt. of Chhattisgarh vide letter dated 8-12-2025.
Name	Distance (Kms.)	Direction																		
Konka Village Pond	0.03	N																		
Moti Nala	2.00	E																		
Kulhuri Nala	7.00	S																		
Amner River	7.10	S																		
8.	Existence of ESZ / ESA / National Park / Wildlife Sanctuary / Biosphere Reserve / Tiger Reserve / Elephant Reserve etc. if any within the study area	Nil			----															

28.3.7 The unit configuration and capacity of proposed project is given as below:

S.No.	Units (Products)	Plant Configuration	Production Capacity
1.	DRI Kilns (Sponge Iron)	2 x 250 TPD	1,75,200 TPA
2.	Induction Furnaces with CCM	4 x 12 T	1,65,600 TPA

S.No.	Units (Products)		Plant Configuration	Production Capacity
	(90 % Hot Billets remaining 10% Billets)			
3.	Rolling mill (TMT bars / Structural Steel) (Hot charging with Hot Billets and Billets through RHF with Gasifier as fuel)		1 x 600 TPD	2,07,000 TPA
4.	Gasifier for Reheating Furnace		1 x 4000 NM ³ /Hr.	1 x 4000 NM ³ /Hr.
5.	Ferro Alloys Unit (FeSi / FeMn / SiMn / FeCr/ Pig Iron)		1 x 9 MVA & 1 x 7.5 MVA	FeSi – 12,800TPA / FeMn – 36,600 TPA / SiMn – 25,600 TPA / FeCr - 27,000 TPA / Pig Iron - 44,000 TPA
6.	Brick Manufacturing Unit		20,000 Brick/ day	20,000 Brick/ day
7.	Briquetting Plant		200 Kg./Hr.	200 Kg./Hr.
8.	Power Plant (15 MW)	WHRB Power Plant	2 x 5 MW	10 MW
		FBC Power Plant	1 x 5 MW	5 MW

28.3.8 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

S. No.	Raw Material		Quantity (TPA)	Sources	Distance w.r.t site (in Kms.)	Mode of Transport
1	Pellets		2,54,040	Odisha & Chhattisgarh	~ 500	By rail & road (through covered trucks)
	(or)					
2	Iron Ore		2,80,320	Barbil, Orissa NMDC, Chhattisgarh	~ 500	By rail & road (through covered trucks)
3	Dolomite		23,040	Chhattisgarh	~ 150	By Rail & Road (Covered trucks)
4	Sponge iron		1,62,000	Own generation	---	Through covered conveyers
5	MS Scrap / Pig Iron		35,000	Own generation & Purchased from outside	~ 100	By road (through covered trucks)
6	Ferro alloys		3,000	Own generation	---	By road (through covered trucks)
7	Coal	Indian	2,70,260	SECL Chhattisgarh / MCL Odisha	~ 500	By rail & road (through covered trucks)
		(or)				
		Imported	1,73,966	Indonesia / South Africa / Australia/Any other country	~ 600	Through vessel, rail & by road (Covered trucks)

S. No.	Raw Material	Quantity (TPA)	Sources	Distance w.r.t site (in Kms.)	Mode of Transport
8	Hot Billets	1,49,040	Own generation	---	----
9	Billets (for Reheating furnace)	71,170	Own generation & Purchased from outside	--- ~ 100	By road (through covered trucks)
10	LDO / LSHS	1880 Kl/annum	Nearby IOCL Depot	~ 100	By road (through Tankers)
11	Quartz	38,767	Chhattisgarh / Andhra Pradesh	~ 500	By road (through covered trucks)
12	Coke	79,632	Andhra Pradesh	~ 500	By road (through covered trucks)
13	Electrode paste	3,137	Maharashtra / West Bengal	~ 300	By road (through covered trucks)
14	Briquetted Bagfilter dust	1,820	Own generation	---	---
15	Manganese Ore	1,39,040	MOIL / OMC	~ 500	By Rail & Road (through covered trucks)
16	FeMn Slag	11,520	Own generation	---	---
17	Chrome Ore	64,800	Sukinda/Odisha	~ 500	By road (Covered trucks)
18	Bauxite	4,050	Chhattisgarh / Maharashtra	~ 500	By road (through covered trucks)
19	Fluorspar	1,100	Maharashtra / West Bengal	~ 300	By road (through covered trucks)
20	Lime stone	6,600	Chhattisgarh	~ 100	By road (through covered trucks)

28.3.9 Water required for the proposed project will be 650 KLD which will be sourced from Ground water source (490 KLD) and Water Reservoir proposed within the site premises (160 KLD). NOC for drawl of ground water has been obtained from CGWA for 490 KLD vide NOC no. NOC/IND/CG/2025/14630/N dt. 18th February 2026. The remaining water will be sourced from harvested water from the water reservoir.

28.3.10 The total power requirement for the proposed project will be 40.0 MW. Out of which 15.0 MW will be sourced from the Captive Power Plant and the remaining 25.0 MW Power will be sourced from the State grid.

28.3.11 Baseline Environmental Studies:

Period	1 st March 2024 to 31 st May 2024
AAQ parameters at all sampling locations	AAQ brief for all 8 nos. of stations is as following $PM_{2.5} = 25.3 \text{ to } 36.8 \mu\text{g}/\text{m}^3$ $PM_{10} = 41.9 \text{ to } 62.4 \mu\text{g}/\text{m}^3$ $SO_2 = 7.2 \text{ to } 14.1 \mu\text{g}/\text{m}^3$ $NO_x = 10.5 \text{ to } 21.4 \mu\text{g}/\text{m}^3$ $CO = 449 \text{ to } 1070 \mu\text{g}/\text{m}^3$
AAQ modelling	Maximum Incremental GLCs due to the proposed project: $PM_{2.5} = 0.73 \mu\text{g}/\text{m}^3$ (800 m in E) ; $PM_{2.5} = 0.16 \mu\text{g}/\text{m}^3$ (vehicular)

	PM ₁₀ = 1.29 µg/m ³ (800 m in E) ; PM ₁₀ = 0.26 µg/m ³ (vehicular) SO ₂ = 5.08 µg/m ³ (860 m in E) NO _x = 7.90 µg/m ³ (950 m in E) ; NO _x = 1.97 µg/m ³ (vehicular) CO (ind)= 0.29 µg/m ³ ; CO = 1.28 µg/m ³ (vehicular)																																				
Ground water quality	pH- 7.1 to 7.8, TDS (in mg/l) - 435 to 572, TSS (in mg/l)-0.51 to 1.33, Total Hardness (in mg/l)- 219 to 286, Chlorides (in mg/l)- 229 to 293, Fluoride (in mg/l) -0.44 to 0.78, Heavy metals Iron (in mg/l) - 0.16 to 0.35.																																				
Surface water quality	pH - 7.6 to 8.1, DO (in mg/l) -4.6 to 6.9, BOD (in mg/l) – 2.1 to 2.8, COD (in mg/l) – 5.3 to 7.0, TDS (in mg/l) -467 to 640, Sulphates (in mg/l) - 144 to 228, Chlorides (in mg/l) -253 to 316, Fluoride (mg/ml) - 0.61 to 0.89, Fe (mg/l)-0.19 to 0.33.																																				
Noise levels	The equivalent day-night noise levels in the study zone are ranging from 44.97 dBA to 53.72 dBA.																																				
Traffic assessment study Findings	- Project site is well connected to Khairagarh to Dhamda Major District Road (MDR) – 0.7 Kms. South Direction (By Road), which connect to SH# 7 – 16.0 Kms. East Direction (By Road) from project site and same is capable of absorbing additional truck movement due to transportation. <table><tr><th>Road</th><th>V (Volume in PCU/hr.)</th><th>C (Capacity in PCU/hr.)</th><th>Proposed V/C Ratio</th><th>LOS</th></tr><tr><td>Baseline</td><td>545.80</td><td>1500</td><td>0.36</td><td>B</td></tr><tr><td>During operation of the proposed project</td><td>587.78 (545.80 + 41.98)</td><td>1500</td><td>0.39</td><td>B</td></tr></table> Level of Service (LOS) of the Road as per IRC: <table><tr><th>V/C</th><th>LOS</th><th>Performance</th></tr><tr><td>0.0 – 0.2</td><td>A</td><td>Excellent</td></tr><tr><td>0.2 – 0.4</td><td>B</td><td>Very Good</td></tr><tr><td>0.4 – 0.6</td><td>C</td><td>Good</td></tr><tr><td>0.6 – 0.8</td><td>D</td><td>Fair/ Average</td></tr><tr><td>0.8 – 1.0</td><td>E</td><td>Poor</td></tr><tr><td>1.0 &above</td><td>F</td><td>Very Poor</td></tr></table> - V/C after proposed project will be 0.031. Hence LOS will be ‘B’. - Hence the existing road is capable of taking the additional vehicular traffic due to the proposed project.	Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS	Baseline	545.80	1500	0.36	B	During operation of the proposed project	587.78 (545.80 + 41.98)	1500	0.39	B	V/C	LOS	Performance	0.0 – 0.2	A	Excellent	0.2 – 0.4	B	Very Good	0.4 – 0.6	C	Good	0.6 – 0.8	D	Fair/ Average	0.8 – 1.0	E	Poor	1.0 &above	F	Very Poor
Road	V (Volume in PCU/hr.)	C (Capacity in PCU/hr.)	Proposed V/C Ratio	LOS																																	
Baseline	545.80	1500	0.36	B																																	
During operation of the proposed project	587.78 (545.80 + 41.98)	1500	0.39	B																																	
V/C	LOS	Performance																																			
0.0 – 0.2	A	Excellent																																			
0.2 – 0.4	B	Very Good																																			
0.4 – 0.6	C	Good																																			
0.6 – 0.8	D	Fair/ Average																																			
0.8 – 1.0	E	Poor																																			
1.0 &above	F	Very Poor																																			
Flora and fauna	No Schedule – I fauna are present in the study area as per Amendment of Wildlife (Protection) Act dt. 19th December 2022.																																				

28.3.12 The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S.No.	Waste	Quantity (TPA)	Proposed method of disposal
1.	Ash from DRI	31,536	Will be utilized in the proposed Brick Manufacturing Unit
2.	Dolochar	35,040	Will be used in proposed FBC power plant as fuel.
3.	Kiln Accretion Slag	1,577	Will be utilized in the proposed Brick Manufacturing Unit

S.No.	Waste	Quantity (TPA)	Proposed method of disposal
4.	Wet scrapper sludge	7,008	Will be utilized in the proposed Brick Manufacturing Unit
5.	SMS Slag	33,400	Will be given to road contractor for road laying
6.	End Cuttings from Rolling Mill	6,605	Will be reused in the SMS
7.	Mill scales from Rolling Mill	4,403	Mill scales will be utilized in the proposed Ferro alloys manufacturing units.
8.	Ash from Power Plant (Indian Coal + Dolochar)	26,505	Will be utilized in the proposed Brick Manufacturing Unit
9.	Slag from FeMn	36,600	Will be reused in manufacture of SiMn as it contains high SiO ₂ and Silicon.
(or)			
10.	Slag from FeSi	1,792	Will be given to Cast iron foundries
(or)			
11.	Slag from SiMn	25,600	will be used for Road construction / will be given to slag cement manufacturing
(or)			
12.	Slag from FeCr	24,300	Will be processed in Zigging plant for Chrome recovery. After Chrome recovery, the left-over slag will be analysed for Chrome content through TCLP test, if the Chrome content in the slag is within the permissible limits, then it will be utilised for Road laying /brick manufacturing. If Chrome content exceeds the permissible limits, it will be sent to nearest TSDF.
13.	Slag from Pig Iron	26,400	Will be given to slag-based cement manufacturing unit

Note: Solid waste utilisation will be in accordance with SWM Rules January 2026.

Hazardous waste Generation:

- (a) Waste oil: 2.0 KL / Annum

This will be stored in covered HDPE drums in a designated area and will be given to SPCB approved vendors.

- (b) Used Batteries

Used batteries will be given back to the supplier under buy back agreement with supplier.

- (c) E-waste

E-waste generated from the plant will be given to authorized recycler having authorization from competent authority.

Disposal of Electronic waste generated from the industry will be done as the E - waste management 2022 Gazette notification dt.02.11.2022.

- (d) Plastic waste

Plastic waste generated from the plant will be given to authorized recycler having authorization from competent authority.

28.3.13 Public Consultation:

Details of advertisement given	Public Hearing Notice published in Newspapers “Navbharat Sampurn (Hindi)” & “Financial Express, New Delhi (English)”, Dated 14.06.2025
Date of Public Consultation	16/07/2025 at 12.00 Noon
Venue	At Khasra No. 505, near Navagaon Rounda chowk, Village-Rounda, Block & Tehsil-Dhamdha, District-Durg (C.G.)).
Presiding Officer	Additional District Magistrate (ADM), Durg District
Major issues raised	➤ Environmental Pollution, effect on crops and effect on health of the people. ➤ Employment to local people ➤ Developmental activities in the village ➤ Proposed Air pollution control systems ➤ Project benefit and impact on land

Action Plan as per OM dated 30.09.2020

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
A). Based on SIA Study						
1	Community & Infrastructure Development Programmes					
	i. Construction of public toilets	Physical Nos. & village	1 no. in each Konka (v), Navagaon (v) & Rounda (v)	1 no. in each Konka (v), Navagaon (v) & Rounda (v)	---	18
		Budget in Lakhs	9	9	--	
	ii. Drinking water facility for villagers	Physical Nos. & village	1 nos. of mineral water plant in each Konka (v), Rounda (v) & Nawagaon (v)	---	1 nos. of mineral water plant in each Konka (v), Rounda (v) & Nawagaon (v)	30
		Budget in Lakhs	15	---	15	
	iii. Vermicomposting facility/ Organic fertilizers supplied to surrounding farmers	Physical Nos. & village	Konka (v)	Rounda (v)	Navagaon (V)	10
Budget in Lakhs		3	3	4		

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
					Total	58
2	Education					
	i. Provide furniture, computer facility Library facility in school	Physical Nos. & village	Nawagaon (v)	---	---	10
		Budget in Lakhs	10	---	---	
					Total	10
3	Health & hygiene					
	i. Sanitation facility in existing schools	Physical Nos. & village	Nawagaon (v)	---	---	5
		Budget in Lakhs	5	---	---	
	ii. Napkins Vending Machine in High Schools.	Physical Nos. & village	Machines will be installed in Navagaon (v)	---	---	5
		Budget in Lakhs	5	---	---	
					Total	10
					TOTAL (A)	78
B). Based on Public Consultation/Hearing						
1	Primary Health Centre with Ambulance facility	Physical Nos. & village	Primary Health Centre with Ambulance in Konka (v)			100
		Budget in Lakhs	100			
2	RWH pits and De-siltation of pond in surrounding villages	Physical Nos. & village	Rounda (v)	Konka (v)	Saleh Kalan (V)	45
		Budget in Lakhs	15	15	15	
3	Plantation in nearby villages & along the Roads	Physical Nos. & village	500 nos. of plant in each Konka (V), Nawagaon (V), Raunda (V), Gorpa (V),	500 nos. of plant in each Konka (V), Nawagaon (V), Raunda (V), Gorpa (V), Saleh (V)	500 nos. of plant in each Konka (V), Nawagaon (V), Raunda (V), Gorpa (V),	45

S.NO.	MAJOR ACTIVITY HEADS	YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
		1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
		Khurd (V), Saleh (V)		Khurd (V), Saleh (V)	
		Budget in Lakhs	15	15	15
4	Water sprinkling along road side in villages	Physical Nos. & village	Water sprinkling along road side in the Konka (v), Rounda(v), Navagaon (v)		
		Budget in Lakhs	4	4	4
5	Impart training to the local villagers for skill development.” Skill Development Centre” along with necessary infrastructure for various vocational training program for employment generation in association with National Skill Development Mission (Automobile Repair, Welding, Electrical, Computer Hardware, Soft skills like computer programs etc.)	Physical Nos. & village	Skill Development center in Konka/ Rounda/Navagaon or any other suitable location		
		Budget in Lakhs	70	80	80
				Total (B)	432
	Grand Total (A + B)		251	126	133
					510
Recurring expenditures under CSR as per companies Act 2014 (this is not part of SID) Health checkup will be carried out periodically in surrounding villages as mentioned above @ Rs 5.0 Lakhs every year.					

28.3.14 The capital cost of the project is Rs. 340.00 Crores and the capital cost for environmental protection measures is proposed as Rs. 34.37 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 6.61 Crores. The project generates direct employment 250 nos. & 500 nos. indirectly employed. The details of cost for environmental protection measures are as follows:

S. No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / Annum (Rs.in Lakhs)
1	Air Emission Management		
	• Electro Static Precipitators (ESPs)	12.00	360

S. No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / Annum (Rs.in Lakhs)
	• Fume Extraction system with bag filters	5.00	18
	• other APCS & Conveyor systems	3.00	45
	• Stacks	3.00	12.5
	• Mechanical Dust sweepers	0.50	2
	• Water Sprinklers	0.20	0.5
2	Wastewater Management		
	• ETP	1.00	10
	• STP	0.40	8
	• Garland drains	0.30	3
	• Settling ponds	0.05	0.3
3	Solid waste Management		
	• Fly Ash Handling & disposal	2.00	60
	• Slag Handling & Disposal	0.25	5
	• Hazardous waste storage & disposal	0.10	5
	• Municipal solid waste storage & disposal	0.05	2.5
4	Greenbelt development, Land scaping	0.60	19.5
5	Noise Management	0.20	10
6	RWH in Plant & Drainage system	0.80	0.2
7	Fire Safety Systems	2.50	25
8	Environmental Monitoring		
	• CEMS	0.40	3
	• CAAQMS	1.60	40
	• Environment Monitoring	0.00	11.11
	• Performance monitoring of APCS	0.00	1
9	Occupational Health & Safety		
	• Occupational Health centre	0.30	7.5
	• Personal Protective Equipment's (PPEs)	0.12	12
	Total	34.37	661.11

28.3.15 It is proposed to develop 3.86 ha of greenbelt within the project site, with a minimum width of 15 m maintained along the plant boundary. The greenbelt will be developed using native species in consultation with the local DFO, comprising pollutant-tolerant, fast-growing, wind-firm, and deep-rooted species. A three-tier plantation system is proposed, with taller trees forming the outer barrier, intermediate layers acting as air filters, and inner core vegetation serving as absorptive layers for pollutants. The greenbelt will be developed as per CPCB guidelines with a plantation density of about 2500 plants per hectare. A total of 9,650 plants will be planted in a phased manner over three years.

28.3.16 It is reported that there is no violation under EIA, 2006/court case/show cause/direction related to the project under consideration.

28.3.17 **Compliance on Applicability of Ministry's OMs:**

O.M. dated	O.M. pertaining to	Compliance
14-10-2014	Registration of land /Consent from the Land for entire land	Complied Total land identified for the proposed project is 15.36 Ha. and same is registered in the name of M/s. MR Integrated Steels Pvt. Ltd.
----	Presence of streams/Nalas within the site	Complied No Streams/Nalas passing through the site.
08-06-2022	Validity of Baseline data for 3 years	Complied Baseline data period is 1 st March 2024 to 31 st May 2024
08-06-2022	CCR validity is 1 year from the date of inspection by MOEF&CC/SPCB	NOT APPLICABLE As it is greenfield project
08-06-2022	PH validity for 3 years	Complied PH held on 14.06.2025

COMPLIANCE STATEMENT OF CLAUSE – 9 OF CHAPTER -3 ON CRITERIA FOR ESTABLISHMENT OF INDUSTRIAL PLANTS AS PER G.S.R (O.M. DATED 30-01-2025)

S.No	Chapter -3 Clause -9	Compliance
1.	Restrictions on establishing an industrial plant based on technological and scientific developments to protect sensitive areas like national parks, sanctuaries, wetlands, and archaeological monuments.	Complied There are no National Parks, Sanctuaries , wetlands and archeological monuments within 10 Km. radius of the plant site
2.	Industrial plant must comply with criteria set by Central Government, State Government, or Union Territory Administration	Complied There are no specific criteria set by Chhattisgarh state Govt. for establishment of industrial plants.
3.	While establishing an industrial plant, the following minimum distance shall be maintained:	
3(a)	From the nearest boundary of surface water body (flood plain/HFL/Red line) as per revenue records in case of industrial plant of:	
3(a)(i)	Red category: Beyond 500 meters.	Complied No rivers in 500m radius
3(a) (ii) (A)	Orange category (with effluent generation): Beyond 75 meters.	---
3(a) (ii) (B)	Orange category (without effluent generation): Beyond 30 meters.	---
3(a)(iii)	Green category: Beyond 30 meters.	---
3(b)	From settlements, educational institutes, worship places, archaeological monuments, national parks, reserve forests, heritage sites, in case of industrial plant of:	
3(b)(i)	Red category: Settlement	Complied

S.No	Chapter -3 Clause -9	Compliance
	Beyond 500 meters.	(Nawagoan Village - 0.9 km.)
	educational institutes	Complied (Nawagoan Village - 0.85 Km)
	worship places	Nil
	archaeological monuments	Nil
	national parks	Nil
	reserve forests	Nil
	heritage sites	Nil
3(b)(ii)	Orange category: Beyond 200 meters.	---
3(b)(iii)	Green category: Beyond 100 meters	---
3(c)	The State Board shall ensure compliance with all applicable laws, rules, regulations, and notifications	---
3(d)	Natural or storm drains passing through the industrial plant location shall not be disturbed.	---

Written submission by the PP:

28.3.18 During the meeting, based on the deliberations made by the EAC, the project proponent vide letter dated 21.05.2026 through email dated 21.05.2026 submitted an undertaking stating the following:

During Public Hearing, public raised concern about effect on agriculture and crop damage during the operation of the proposed project.

PP assured that all required Environmental protection measures such as ESP, Bagfilters, Dry Fog System, Wheel washing facility, implementation of ZLD, Solid waste utilization as per norms will be strictly followed. PP also assure that they will be providing interlocking system to APCs, in such a way that whenever the emissions exceeds the stipulated standards, the raw materials feed to the unit will be cut off and the production will be stopped, till the APCs is rectified.

In view of that, PP do hereby give this undertaking that, if any crop damage occurs due to our industry as proven by concerned authority, compensation will be paid as per State Govt. regulations.

Deliberations by the Committee

28.3.19 The Committee noted the following:

1. The instant proposal is for establishment of a Greenfield Steel Plant comprising of DRI Kilns (sponge iron -1,75,200 TPA), Induction Furnaces with matching LRF & CCM (90 % Hot Billets to Rolling Mill & remaining 10% Billets through RHF)– 1,65,600 TPA), Rolling Mills to produce TMT bars / Structural Steel (90% Hot charging with Hot Billets and 10% Billets through RHF with producer gas as fuel – 2,07,000 TPA), Coal Gasifier – 3500 NM3/Hr., Ferro Alloy Unit 1 x 9 MVA & 1 x 7.5 MVA (FeSi – 12,800 TPA/ FeMn – 36,600 TPA/ SiMn – 25,600 TPA/FeCr – 27,000 TPA/ Pig Iron - 44,000 TPA), Briquetting Plant (200 Kg/Hr), WHRB based Power Plant – 2 x 5 MW, FBC based Power Plant – 1 x 5 MW & Brick Manufacturing unit (20,000 Bricks / Day).

2. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
3. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
4. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
5. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
6. The Committee noted that the project is a greenfield proposal. Accordingly, SPCB furnished its comments and environment safeguards vide letter dated 08.04.2026. The EAC apprised the proposal taking into consideration the comment and environment safeguards suggested by SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
7. The PP submitted that total land identified for the proposed project is 15.36 Ha. and same is registered in the name of M/s. MR Integrated Steels Pvt. Ltd. Entire Land is diverted for industrial purpose.
8. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Nawagoan Village is at a distance of 0.9 Kms. (N Direction), Konka Village Pond at 0.03 km in North of site along with other sensitive areas within the study area of the project site. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.
9. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby

villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.

10. Konka Village Pond at 0.03 km in North direction along with other sensitive areas within the study area of the project site. PP reported that NOC has been issued by Water Resources department govt. of Chhattisgarh vide letter dated 08.12.2025. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures.
11. Water required for the proposed project will be 650 KLD which will be sourced from Ground water source (490 KLD) and Water Reservoir proposed within the site premises (160 KLD). The EAC opined that the PP shall secure the required approval from the appropriate authority. PP shall also explore alternate source of water to minimise its dependency on ground water.
12. The Committee also deliberated upon the issues raised during the public hearing and the action plan for socio-economic development, with a budgetary allocation of Rs. 5.10 crores for implementation of the commitments made therein, and found the same to be satisfactory.
13. Further, the Committee noted the undertaking submitted by the project proponent through written submission in response to concerns raised during the Public Hearing regarding potential impacts on agriculture and crop damage. The Committee observed that the PP has committed to implement adequate environmental protection measures including installation of ESPs, bag filters, dry fog systems, wheel washing facilities, zero liquid discharge, and proper solid waste utilization. The PP has also assured provision of interlocking systems with APCDs to ensure stoppage of operations in case of exceedance of emission standards. Further, the PP has undertaken to provide compensation for any crop damage, if established by the concerned authority, as per State Government norms. The Committee emphasized that the commitments made shall be strictly adhered to during the operation of the project.
14. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
15. The PP reported that it is proposed to develop 3.86 ha (25% of project area) of greenbelt within the project site, with a minimum width of 15 m maintained along the plant boundary. A total of 9,650 plants will be planted in a phased manner over three years. The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be developed within a period of 1 year and further maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.
16. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

17. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
18. The Committee noted the detailed comments furnished by the Chhattisgarh Environment Conservation Board (CECB) in compliance with MoEF&CC OM dated 14.01.2025 for the proposed project of M/s MR Integrated Steels Private Limited, Chhattisgarh, and observed that the Board has recommended a comprehensive set of environmental safeguards. These include strict adherence to Environmental Clearance conditions, adoption of Zero Liquid Discharge through provision of adequate ETP/STP systems and recycling of treated wastewater, installation of air pollution control measures such as adequate stack height, dust suppression systems, water sprinkling, covered transportation, wheel washing systems, and installation of continuous monitoring systems (CEMS/CAAQMS/CEQMS) with connectivity to regulatory servers. The Board has further emphasized noise control measures, proper solid waste management systems, rainwater harvesting, and development of greenbelt over 33% of the total land area. In addition, provisions for labour welfare, sanitation, occupational health, obtaining necessary permissions such as CGWA/NOC from Gram Panchayat, and compliance with standard operating procedures issued by the Board have been stipulated. The Committee, after deliberation, advised that the relevant recommendations of CECB, to the extent not already covered in the EIA/EMP and EAC conditions, shall be incorporated suitably without duplication, and the point-wise deliberations are as follows:

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
1. Strict adherence to EC conditions:		
2.	All terms and conditions of the Environmental Clearance shall be followed without deviation.	Already prescribed by EAC
3.	If any deviation found in the project cost at the time of application for CTO, Project Proponent shall be liable to pay the difference amount.	Deliberated and incorporated by EAC
2. Effluent Management :		
11.	Untreated sewage or waste water shall not be discharged outside the premise under any circumstances	Already prescribed by EAC
12.	STP shall be provided for treatment of domestic waste water.	Already prescribed by EAC
13.	ETP shall be provided for treatment of industrial waste water.	Already prescribed by EAC
14.	Process effluent will be treated and will be recycled and reused in the process. Zero liquid discharge shall be maintained.	Already prescribed by EAC
15.	Oil & grease trap will be provided for treatment of waste water from workshop and garages. Treated water will be recycled.	Already prescribed by EAC

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
16.	Practicing good housekeeping to maintain hygienic conditions at work site.	Deliberated and incorporated by EAC
17.	Rain water to be collected and used for recharging ground water table and to be use in lean season.	Already prescribed by EAC
3. Air Pollution Control:		
13.	Height of stack shall be as per CPCB norms. Before applying for Consent to Operate, CEMS should be installed in the chimney for continuous monitoring, CAAQMS for measuring ambient air quality, CEQMS for measuring water quality.	Already prescribed by EAC
14.	Particulate matter emission from the process stack should be kept below 30 mg/normal cubic meter and the stack height should be kept as per the guidelines of the Ministry of Environment, Forest and Climate Change/CPCB and the height of all other stacks should be kept at 30 meters.	Already prescribed by EAC
15.	Proper management of dust suppression, contaminated water, construction waste etc. should be done during the installation work.	Already prescribed by EAC
16.	Regular monitoring of ambient air quality inside plant area and in nearby villages	Already prescribed by EAC
17.	Water sprinklers arrangement shall be provided in internal road.	Already prescribed by EAC
18.	To comply with standard operating procedure (for properly covering vehicles engaged in transportation work) issued by CECB vide order dated 26.06.2024	Already prescribed by EAC
19.	Wheel washing system shall be installed at entry and exit gates.	Already prescribed by EAC
4. Noise Control Measures:		
1.	Provision of enclosures, silencers, etc shall be provided in boilers, Turbo-Generators and DG sets for control noise level.	Already prescribed by EAC
5. Solid Waste Management:		
1.	Appropriate solid waste management systems must be established before applying for consent to operate.	Already prescribed by EAC
6. Rain Water Harvesting:		
1.	The recharge pits are to be constructed for recharging the rain water.	Already prescribed by EAC
7. Greenbelt and Soil Conservation:		
5.	Green belt shall be developed in 33% of total land available by the Project proponent.	Already prescribed by EAC
8. Labour Camp Sanitation and Health:		

Sl. No.	Environmental Safeguard / Condition	Deliberation by EAC
1.	Drinking water and sanitation facilities shall be provided to labourers.	Already prescribed by EAC
2.	Medical aid and first aid kits shall be made available on-site.	Already prescribed by EAC
9. Project Proponent shall obtain NOC from Gram panchayat before CTO application.		Already prescribed by EAC
10. Industry shall obtain CGWA NOC Ground water abstraction or Permission from concerned department for withdrawal of surface water.		Already prescribed by EAC
Application for Consent to Operate (CTO) shall be made after compliance of environmental clearance and all conditions of above Environmental Safeguards.		-

19. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
20. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
21. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

- 28.3.20 In view of the foregoing and after detailed deliberations, the committee **recommended** the instant proposal under the provisions of EIA Notification, 2006 for grant of Environment Clearance **subject to uploading of written submission placed before EAC on PARIVESH portal**. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including

the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions are mentioned below:

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. Nawagoan Village is at a distance of 0.9 Kms. (N Direction), Konka Village Pond at 0.03 km in North of site along with other sensitive areas within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
- v. Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
- vi. Konka Village Pond at 0.03 km in North direction along with other sensitive areas within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- vii. Water required for the proposed project will be 650 KLD which will be sourced from Ground water source (490 KLD) and Water Reservoir proposed within the site premises (160 KLD). PP shall secure the required approval from the appropriate authority. PP shall also explore alternate source of water to minimise its dependency on ground water.
- viii. Green Belt shall be developed and maintained in 3.86 ha (25% of project area), in a period of 1 year and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- ix. The PP shall undertake plantation, in compliance to MoEF&CC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (<https://merilife.nic.in>).

- x. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 5.10 crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (*such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill*). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
- xi. The project proponent shall implement all commitments made during the Public Hearing, and shall ensure that no adverse impact on agriculture occurs due to project activities. In case of any crop damage attributable to the project, compensation shall be provided as per State Government norms, as committed.
- xii. PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
- xiii. The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
- xiv. PP shall Install CO sensors with alarms at strategic locations in the Plant.
- xv. PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
- xvi. PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported.
- xvii. The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded,

- compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
- xviii. PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
 - xix. PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
 - xx. If any deviation found in the project cost at the time of application for CTO, Project Proponent shall be liable to pay the difference amount.
 - xxi. PP shall emphasize practicing good housekeeping to maintain hygienic conditions at work site.
 - xxii. The recommendations of CECB, to the extent not already covered under the stipulated EC conditions, shall be incorporated suitably without duplication.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 02 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.
- x. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
- xi. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xiii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xiv. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
- xv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xvi. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xvii. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xviii. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xix. Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
- xx. The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
- xxi. The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
- xxii. Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants.

- xxiii. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxiv. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m^3 , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
- xxv. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xxvi. Low NO_x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- x. Air Cooled condensers shall be used in the captive power plant.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas.
- iii. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- iv. Practice hot charging of slabs and billets/blooms as far as possible.
- v. Ensure installation of regenerative type burners on all reheating furnaces.
- vi. The project proponent shall provide waste heat recovery system on the DRI Kilns.
- vii. The dolochar generated shall be used for power generation.
- viii. Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
- ix. The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. Solid waste utilization
 - a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
 - b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
 - c. Used refractories shall be recycled as far as possible.
- vii. SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install

- a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
- viii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
 - ix. Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.

- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Agenda No. 28.4

28.4 Expansion of Sponge Iron Unit from 200 TPD (2X100 TPD) to 550 TPD (1X350 TPD), Captive Co-gen Power Plant from 10 MW to 20 MW and Establishment of 6 Lakh Tonnes Per Year Iron Ore Pellet Plant with Coal gasifier, 1.3 Lakh Tonnes Per Year TMT rebar and other steel products like wire rod, narrow strips, light structures, etc. The manufacturing facility with respect to steel making is consisting of 2X20 Tonnes Induction Furnace, 1X30 Ton LRF, 6/11x2 Strand billet caster and 1.3 Lakh Tonnes Per Year Rolling Mill with Coal gasifier Plant by M/s. Dhruvdesht Metasteel Private Limited, located at Hirebaganal Village / Chikkabagnal / kunikera, (all are adjoining villages and Sy Nos. adjoins each other) Ginigera Post, Koppal Taluk, Koppal District, Karnataka- Consideration of EC.

[Proposal no.: IA/KA/IND1/459470/2026; File No. IA-J-11011/391/2006-IA-II (IND-I)]

[Consultant: Environmental Health and Safety Consultants Private Limited; Valid upto: 23.08.2027]

28.4.1 The proposal was deferred as the Project Proponent did not attend the meeting. The Member Secretary informed the Committee that no communication had been received from the Project Proponent/Consultant, nor were any documents submitted after listing of the proposal in the meeting agenda. The Committee expressed its concern over this lack of communication, considering it unprofessional on the part of the Project Proponent/Consultant. The Committee observed that the absence of the PP/Consultant resulted in avoidable wastage of the Committee's time and, therefore, recommended that the proposal may be returned in present form and re-listed for consideration only upon receipt of a formal request/communication from the Project Proponent.

Consideration of TOR Proposal

Agenda No. 28.5

- 28.5 Integrated Cement Plant with production capacity of Clinker - 8.0 Million TPA (2 x 4.0 Million TPA), Cement {Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC), Portland Slag Cement (PSC), Composite Cement (CC) and Limestone Calcined Clay Cement (LC3)}- 6.0 Million TPA (2 x 3.0 Million TPA), WHRS - 50 MW (2 x 25 MW), CPP - 20 MW & D.G. Sets - 4000 kVA (2 x 2000 kVA or 2 x 1000 kVA and 4 x 500 kVA or 2 x 1000 kVA and 2 x 500 kVA & 4 x 250 kVA) and Residential Colony (Built up Area - 19190 Square Meter) in phased manner by M/s. Star Cement North East Ltd, located at Village: Lototi, Tehsil: Jaitaran, District: Beawar, Rajasthan- Consideration of TOR.**

[Proposal no.: IA/RJ/IND1/574252/2026; File No. IA-J-11011/101/2026-IA-II (Ind-I)]

[Consultant: J. M. Environet Pvt. Ltd.; Valid upto: 07.08.2026]

- 28.5.1 M/s. Star Cement North Cement Limited has made an online application *vide proposal no.* IA/RJ/IND1/574252/2026 dated 07.05.2026 along with the application in prescribed format (CAF, Form – I Part A & B), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(b) Cement Plants, 1(d) Thermal Power Plants and 8(a) Building / Construction under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.
- 28.5.2 Name of the EIA consultant: M/s. J.M. EnviroNet Pvt. Ltd. [List of ACO's with Accreditation Certificate/Extension Letter No.: NABET/EIA/23-26/SA 0250; valid till 07.08.2026].

Details submitted by Project proponent

- 28.5.3 The project of M/s. Star Cement North East Limited proposed in Lototi Village, Jaitaran Tehsil, Beawar District, Rajasthan State is for setting up of a new Integrated Cement Plant with production capacity of Clinker - 8.0 Million TPA (2 x 4.0 Million TPA), Cement {Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC), Portland Slag Cement (PSC), Composite Cement (CC) and Limestone Calcined Clay Cement (LC3)}- 6.0 Million TPA (2 x 3.0 Million TPA), WHRS - 50 MW (2 x 25 MW), CPP - 20 MW & D.G. Sets - 4000 kVA (2 x 2000 kVA or 2 x 1000 kVA and 4 x 500 kVA or 2 x 1000 kVA and 2 x 500 kVA & 4 x 250 kVA) and Residential Colony (Built up Area - 19190 Square Meter) in phased manner.
- 28.5.4 Details of EDS:

EDS raised on 07th April, 2026 and replied on 30th April, 2026

S. No.	EDS Point	Reply
i.	The PP has indicated that total land is 91.5 Ha, out of which inputs of 26(+) Ha are provided. It is not clear from the Agreement that whether land is in possession of lessor. Hence, the documents be uploaded in its support. Similar details of remaining land 65 Ha (+) may be	The total plant area for the proposed Integrated Cement Plant is 91.5 ha. The land acquisition is in process and being done through a third Party i.e. Jaitaran Renewable Power Limited (JRPL).

S. No.	EDS Point	Reply
	provided to have an idea about the status of ownership/ acquisition process. It may also be clarified whether land acquisition would require Govt. intervention. And, if so, the corresponding details may also be uploaded.	Out of total land area, Star Cement North East Limited (SCNEL) has executed an Agreement to Sale (ATS) with JRPL for 47.79 ha area. Also, JRPL has executed an Agreement to Sale (ATS) with individual landowners for the same area. The process for execution of sale deed and transfer of possession for the said land is under progress. For the remaining 43.71 ha land, company is in process to acquire the land through JRPL on the basis of mutual agreement of JRPL with individual landowners. The company will acquire the land / will do agreement for the land before applying for Environmental Clearance to MoEFCC, New Delhi in compliance with the MoEFCC OM dated 07th Oct., 2014 and 25th Feb., 2025. The land details along with Khata No., Khasra No., total area, proposed area (in ha & Bigha), type of land and status of agreement have also been submitted. It is also clarified that no government land is involved in the proposed 91.5 ha area and acquisition of complete land will be done through private negotiation. Hence, intervention of Govt. is not required. All the relevant supporting documents in this regard have been submitted along with the EDS reply for kind consideration.
ii.	Being a greenfield plant, PP may be asked to submit details of ESA within the study area.	The details of Environmental Sensitive Areas (ESA) falling within the study area along with mitigation measures have been submitted along with the EDS reply.

EDS raised on 05th May, 2026 and replied on 07th May, 2026

S. No.	EDS Point	Reply / Clarification
i.	With respect to the remaining 43.71 ha of land, it is noted that while submission of final registered land documents may be considered at the EC stage in terms of MoEF&CC OM dated 07.10.2014 and subsequent clarifications, the Project Proponent has not submitted any supporting documentary evidence (such as agreement to sell or consent from landowners) at this stage. In the absence of such	We wish to submit that we had already submitted the land details of 91.5 ha area required for proposed project, Agreement to Sale for 47.79 ha area and undertaking for remaining 43.71 ha land vide our EDS reply dated 30.04.2026. Regarding MOEFCC OM dated 07th Oct., 2014 and 25th Feb., 2025 (Copies enclosed), we respectfully submit that aforesaid OM dated 07th Oct., 2014 is pertaining to the land documents required when the case is brought before the concerned EAC/ SEAC for appraisal of the case for EC. It is mentioned in para 2.(ii) that <i>"In case the land is being acquired through private negotiations with the land owners, credible documents showing the</i>

S. No.	EDS Point	Reply / Clarification
	documents, the availability of land for the proposed project cannot be adequately established, which is required for appraisal under the EIA Notification, 2006. The Project Proponent may therefore submit appropriate documentary evidence indicating land availability/commitment for the said area.	<i>intent of the land owners to sell the land for the proposed project.”</i> It is further clarified vide OM dated 25th Feb, 2025 that documents relating to acquisition of land should be provided for the project as indicated in the EIA report of the project. The EIA report of the project is prepared after the ToR is issued. The land documents are required only at the time of EC appraisal and not at required at the time of obtaining ToR. Herein, we wish to submit that currently we have submitted our proposal for scoping stage i.e. for obtaining Terms of References (ToR) for conducting EIA studies and will submit the land documents as per MOEFCC OM dated 07th Oct., 2014 and 25th Feb., 2025 at the time of appraisal of case for EC. Hence, we once again request your good office to kindly consider our case for grant of ToR.

28.5.5 Environmental Site Setting:

S. No.	Particulars	Details	Remarks
i.	Total land	Total land 91.5 ha; which is Pvt. Agricultural Land	Land use: Present Land use of the project site is Pvt. Agricultural Land
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Out of total 91.5 ha land, Star Cement North East Limited (SCNEL) has executed an Agreement to Sale (ATS) with Jaitaran Renewable Power Limited (JRPL) for 47.79 ha area. Also, JRPL has executed an Agreement to Sale (ATS) with individual landowners for the same area. The process for execution of sale deed and transfer of possession for the said land is under progress. For the remaining 43.71 ha land, company is in process to acquire the land through JRPL on the basis of mutual agreement of JRPL with individual landowners. The company will acquire the land / will do agreement for the land before applying for Environmental Clearance to MoEFCC, New Delhi in compliance with the MoEFCC OM dated 07th Oct., 2014 and 25th Feb., 2025. JRPL is now 100 % subsidiary of SCNEL.	-
iii.	Existence of habitation & involvement of R&R, if any.	Project Area: No habitation exists within the proposed project site. Study Area:	R&R is not applicable. Land will be purchased by SCNEL through private negotiation.

S. No.	Particulars	Details			Remarks
		Habitation	Distance (km)	Direction	
		Scattered houses around the project site	310 m (isolated house / structure: 90 - 250 m)	-	
		Ramawas	1.2 Km	East	
		Raniwal	1.7 Km	SSW	
		Lototi	2.0 Km	NW	
		Bikarlai	2.0 Km	NNE	
		*Note: There are approx. 35 villages in 10 km radius study area			
iv.	Latitude and Longitude of all corners of the project site	S.No.	Latitude	Longitude	-
		1.	26°15'59.66"N	73°51'35.27"E	
		2.	26°15'56.98"N	73°51'42.37"E	
		3.	26°15'37.23"N	73°51'46.44"E	
		4.	26°15'36.33"N	73°51'52.43"E	
		5.	26°15'26.81"N	73°51'53.30"E	
		6.	26°15'11.33"N	73°51'51.90"E	
		7.	26°15'6.73"N	73°51'26.66"E	
		8.	26°15'6.75"N	73°51'24.81"E	
		9.	26°15'9.42"N	73°51'18.31"E	
		10.	26°15'26.78"N	73°51'16.78"E	
v.	Elevation of the project site	304 msl 314 msl			-
vi.	Involvement of Forest land if any.	No Forest Land is involved in the project site.			-
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: There is no water body present within the project site Study area: The following water bodies fall within 10 km radius:			-
		Water body	Distance (km)	Direction	
		Lilri River	1.5 Km	North	
		Luni River	3.0 Km	NNW	
		Hathi Bala Nala	6.5 Km	WNW	
		Raipur Luni River	9.7 Km	SSW	
viii.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area.	Nil			-

28.5.6 The unit configuration and capacity of proposed project is given as below:

S. No.	Name of facility	Configuration		Capacity
		Phase - I	Phase - II	
1.	Clinker	Kiln - 1 x 12000 TPD (4.0 Million TPA)	Kiln - 1 x 12000 TPD (4.0 Million TPA)	8.0 Million TPA (2 x 4.0 Million TPA)
2.	Cement	Mill: 1 x 450 TPH (3.0 Million TPA)	Mill: 1 x 450 TPH (3.0 Million TPA)	6.0 Million TPA (2 x 3.0 Million TPA)
3.	CPP	1 x 20 MW	-	20 MW
4.	WHRS	1 x 25 MW	1 x 25 MW	2 x 50 MW
5.	D.G. Sets	2000 (2000 kVA or 1 x 1000 kVA and 2 x 500 kVA or 1 x 1000 kVA and 1 x 500 kVA and 2 x 250 kVA)	2000 (2000 kVA or 1 x 1000 kVA and 2 x 500 kVA or 1 x 1000 kVA and 1 x 500 kVA and 2 x 250 kVA)	4000 kVA (2 x 2000 kVA or 2 x 1000 kVA and 4 x 500 kVA or 2 x 1000 kVA and 2 x 500 kVA & 4 x 250 kVA)

28.5.7 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

S. No.	Name of Raw material	Quantity (Million TPA)			Source	Mode of Transportation & Distance
		Phase I	Phase II	Total		
1.	Limestone	6.0	6.0	12	Own Mines and open market	~12 - 50 km by Road
2.	Kaolin/ Clay/ Shale/ Silica Sand	0.6	0.6	1.2	Jaitaran, & nearby areas	~ 5 - 100 km Road
3.	Red ochre / red mud/ laterite	0.18	0.18	0.36	Chittorgarh & nearby areas	~ 220 - 250 km Road
4.	Gypsum (Natural Gypsum/Chemical Gypsum/Synthetic Gypsum)	0.15	0.15	0.3	Nagaur & Barmer districts in Rajasthan Dye & Chemical industries in Gujarat	~100 - 500 km Road
5.	Fly ash / Pond ash	1.05	1.05	2.1	Barmer TPP, Suratgarh TPP, Kota TPP, Panipat TPP etc.	~ 500 - 1500 km Road
6.	Slag	1.8	1.8	3.6	Jaipur, Raipur, Chhattisgarh, Jharkhand	~ 1000 – 15000 km Road
7.	Performance enhancer (Limestone)	0.3	0.3	0.3	Own Mines and open market	~ 12-50 km by Road

Fuel requirement

S. No.	Name	Quantity (Million TPA)			Source	Distance & Mode of Transportation
		Phase - I	Phase - II	Total		
For Cement Plant						
1.	Coal / Lignite (Domestic / Imported)	0.4	0.4	0.8	Authorized Dealers, Coal India, Chhattisgarh,	~ 1000 - 1200 km By Rail & Road

S. No.	Name	Quantity (Million TPA)			Source	Distance & Mode of Transportation
		Phase - I	Phase - II	Total		
For Cement Plant						
					Maharashtra/ Bhavnagar Port, South Africa/ Indonesia/ US/ Saudi Arabia	
2.	Pet Coke (Domestic / Imported)	0.3	0.3	0.6	IOCL, Reliance and other Petrochemical Refineries in India, South Africa/ Indonesia/ US	~ 630 - 800 By Rail & Road
3.	Alternate Fuel (AFR)	0.4	0.4	0.8	Nearby Industries in Rajasthan / Municipalities/ Industries located in Haryana, Gujarat, Punjab, UP, Delhi NCR etc.	~50 - 300 km by Road
4.	HSD (For D.G. Set)	0.3	0.3	0.6 KLD	Nearby Depot / Pump	~ 50 km by road
For CPP						
1.	Coal (Domestic/ Imported)	0.12	-	0.12	Authorized Local Dealers, Coal India, Chhattisgarh, Maharashtra/ Bhavnagar Port, South Africa/ Indonesia/ US/ Saudi Arabia	~ 1000 - 1200 km By Rail & Road

- 28.5.8 The water requirement for the proposed project is estimated as 2985 KLD (Phase - I: 1860 KLD & Phase - II: 1125 KLD), which will be obtained from Saline Ground Water (2620 KLD) / Treated Water. To meet this requirement, saline groundwater will be extracted and treated. Approximately 2620 KLD of saline groundwater will be abstracted to fulfill the equivalent fresh water demand. The permission for drawl of Saline Ground water will be obtained from concern department.
- 28.5.9 The power requirement for the proposed project is estimated as 81 MW (Phase I: 41 MW & Phase II: 40 MW); which will be obtained from WHRS 50 MW (2 x 25 MW), CPP 20 MW, State Grid Power Supply. D.G. Sets for Backup.
- 28.5.10 The capital cost of the project is Rs. 5626 Crores (Phase I: Rs.2888 Crores & Phase II: Rs. 2738 Crores) & the capital cost for environmental protection measures is proposed as Rs. 562 Crores (Phase I: Rs. 286 Crores & Phase II: Rs. 276 Crores) and recurring cost Rs. 28 Crores (Phase I: 15 Crores & Phase II: Rs. 13 Crores). The employment generation from the proposed project is 1600 (Permanent 60 & Contractual 1540) workers for Phase -I and 1600 (Permanent 60 & Contractual 1540) for Phase-II will be employed during construction phase. For the operation phase, approx. 1220 (Permanent 205 & Contractual 1015) workers for Phase-I and approx. 815 (Permanent 205 & Contractual 610) workers for Phase-II will be employed.

28.5.11 It is reported that there is no violation under EIA, 2006/Court case/show cause/ direction related to the project.

28.5.12 Proposed Terms of Reference (Baseline data collection period): March to May, 2026)

Attributes	Parameters	Sampling	
		No. of Monitoring / Sampling Locations	Frequency
A. Air			
a. Meteorological parameters	Wind Speed, Wind Direction, Humidity, Temperature, Rainfall, Wind speed (Hourly), Dry bulb temperature, Wet bulb temperature, Relative humidity, Solar radiation, Cloud cover, Environmental Lapse Rate	01 (Plant site)	Hourly
b. AAQ Parameters	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO, HC (as per NAAQS Standards)	09	Twice a week (24 hourly)
B. Noise	Leq Day time & Leq Night time	08	Once in a season (Day & Nighttime)
C. Water			
a. Surface Water	pH (at 25°C), Colour, Turbidity, Odour, Total Hardness as CaCO ₃ , Calcium as Ca, Alkalinity as CaCO ₃ , Chloride as Cl, Residual free Chlorine, Cyanide as CN, Magnesium as Mg, Total Dissolved Solids, Sulphate as SO ₄ , Fluoride as F, Nitrate as NO ₃ , Iron as Fe, Aluminum as Al, Boron, Phenolic Compounds, Anionic Detergents as MBAS, Hexa Chromium as Cr+6, Zinc as Zn, Copper as Cu, Manganese as Mn, Lead as Pb, Selenium as Se, Arsenic as As, Mercury as Hg, Phosphate as PO ₄ , Total Suspended Solid, Biochemical Oxygen Demand, Chemical Oxygen Demand, Sodium as Na, Potassium as K, Conductivity, Nickel, Dissolve Oxygen, Total Carbon, Free Ammonia, Total Coliforms, Fecal coliforms, Phytoplankton & Zoo plankton.	03	Once in a season
b. Ground Water	pH (at 25°C), Colour, Turbidity, Odour, Taste, Total Hardness as CaCO ₃ , Calcium as Ca, Alkalinity as CaCO ₃ , Chloride as Cl, Cyanide as CN, Magnesium as Mg, Total Dissolved Solids, Sulphate as SO ₄ , Fluoride as F, Nitrate as NO ₃ -N, Iron as Fe, Aluminum as Al, Boron, Phenolic Compounds, Anionic Detergents as MBAS, Hexa Chromium as Cr+6, Chromium as Cr, Zinc as Zn, Copper as Cu, Manganese as Mn, Cadmium as Cd, Lead as Pb, Arsenic as As, Mercury as Hg, Sodium as Na, Potassium as K, Phosphate as PO ₄ , Nickel, Conductivity, Total Suspended Solids, Total Carbon, Free Ammonia, Total Coliforms, Faecal coliforms.	08	Once in a season

Attributes	Parameters	Sampling	
		No. of Monitoring / Sampling Locations	Frequency
D. Land			
a. Soil quality	pH (at 25°C) (1:2.5 soil water suspension), Electrical Conductivity (1:2 soil water sus.), particle size distribution, Soil Texture, Colour, Water holding capacity, Bulk Density, Soluble Chloride, Exchangeable Calcium, Exchangeable Sodium, Available Potassium, Organic Matter, Exchangeable Magnesium as Mg, Available Nitrogen as N, Available Phosphorus, Total Zinc as Zn, Total Manganese as Mn, Total Chromium as Cr, Total Lead as Pb, Total Cadmium as Cd, Total Copper as Cu, Organic Carbon, SAR Value, Porosity, Cation Exchange capacity	08	Once in a season
b. Land Use	Land use/ Land Cover Map by Satellite Imagery including Location code, Total project area, Topography, Drainage (natural), Cultivated, forest, plantations, water bodies, roads and settlements	10 km radius study area	Once in a Season
E. Biological a. Aquatic b. Terrestrial	Flora and fauna	Study area	Once in a season
F. Socio-Economic parameters	Economic Demography	Study area	Once in a season

28.5.13 Compliance Statement of Clause – 9 of Chapter -3 on Criteria For Establishment of Industrial Plants As per G.S.R (O.M. dated 29-01-2025)

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
Schools				
1.	Govt. Senior Secondary school Ramawas Kalan	~ 1.8 km	ESE direction	○ Avenue Plantation will be carried out around the boundary of the schools in the village ○ 7.5 meters wide greenbelt will be developed all along the plant boundary. ○ The orientation/ configuration of the project is in such a way that the transportation activities (Inward & outward movement of the vehicles) will be away from the nearest habitation, so that impact of transportation on the nearby school will be minimum. ○ Low noise compressors and blowers will be installed to minimize the noise level. ○ No waste water will be generated from
2.	Govt. Senior Secondary School Lototi	~ 2.0 km	NW direction	
3.	Govt. Senior Secondary School Raniwal	~ 2.0 km	SSW direction	
4.	Govt. Upper Primary School Ramawas Khurd	~2.0 km	East direction	

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
				cement manufacturing process. However, waste water generated from CPP and WHRS will be treated in the neutralization pit and the same will be reused in dust suppression and mill spray. Waste water generated from domestic use i.e. office toilets, canteen and residential township will be treated in STP and STP treated water will be reused for greenbelt and plantation purposes. Zero liquid discharge will be maintained from the premises. ○ The industry will undertake CER / CSR activities for maintenance, plantation, drinking water, or sanitation for the development of schools. ○ Conduct regular health check-up camps for nearby communities, including school children (through CSR). ○ PUC certificate of all the vehicles will be ensured, and overloading will not be permitted
Habitation				
1.	Village Ramawas Kalan	Habitation from ~1.2 km. However, Scattered Houses located at 310 meters and isolated house / structure located at 90 meters to 250 Meters	East direction	○ Fog canon system will be provided to suppress dust emission in the raw material handling area. ○ Transportation of raw material will be done through road via trucks covered by tarpaulin. ○ Plantation along village roads and community land shall be undertaken to prevent air and noise pollution. Dust-tolerant, native tree species with thick foliage to act as a pollution barrier. ○ High efficiency bag houses will be provided at main process Raw material & Kiln section, Coal mill section and Cement mill section and high efficiency ESP will be provided at Cooler section and Captive Power plant. ○ Bag filters will be installed at all raw material transfer points & Silo top. ○ Stack emission from all the stacks will be maintained within 30 mg/Nm³. ○ All the loading hoppers will be equipped with the bag filters. ○ Internal roads will be concreted and cleaning of the same will be done through
2.	Village Raniwal	~1.7 km	SSW direction	
Residential Structures in the Vicinity of the Proposed Site				
3.	Small residential cluster (2-3 houses)	Located at distance of approx. 90 m to 250 Meters around the project site		○ Bag filters will be installed at all raw material transfer points & Silo top. ○ Stack emission from all the stacks will be maintained within 30 mg/Nm³. ○ All the loading hoppers will be equipped with the bag filters. ○ Internal roads will be concreted and cleaning of the same will be done through

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
				vacuum cleaning machines. ○ Internal roads of plant premises will be concreted and maintained in good condition. ○ Dust collected from air pollution control equipment will be totally recycled in the process. ○ Fly ash will be received through closed bulkers & fed into silo through pneumatic system. ○ The packing machine will be equipped with a dust extraction arrangement. ○ Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. ○ Monitoring of the emission level and ambient air quality will be done on continuous basis by installation of Continuous Emission Monitoring System at major stacks and Continuous Ambient Air Quality Monitoring Stations at plant boundary ○ Low NOx burners will be installed at kiln, calciner and captive power plant.
Religious Places				
1.	Ramawas Hanuman Temple	~ 1.7 km	ESE direction	○ Movement of heavy vehicles shall be regulated and speed limit shall be maintained near places of worship. ○ To mitigate both Dust and Noise generated due to the plant activities, company will develop a 3 tier Greenbelt along the plant boundary. ○ The company will carry out plantation activities in the vicinity of the temple and ensure proper maintenance to protect the temple environment.
2.	Mahadev Temple Ramawas	~ 1.9 km	East direction	
3.	Hindu Temple	~ 2.0 km	NNE direction	
4.	Dev Narayan ka mandir Raniwal	~ 1.9 km	SSW direction	
5.	Mahadev temple, Raniwal	~ 2.0 km	South direction	
Water Bodies				
1.	Lilri River	~1.6 km	North direction	○ No water body will be blocked due to any activities at the project site and free flow of water will be maintained. ○ During the construction and operation phase of the project the water body will not be disturbed in any case ○ No waste water will be generated from the cement manufacturing process. However, waste water generated from CPP and WHRS will be treated in the neutralization pit and same will be reused

S. No.	Particulars	Distance from the Project Site	Direction	Mitigation Measures
				in dust suppression and mill spray. Waste water generated from domestic use i.e. office toilets, canteen and residential township will be treated in STP and STP treated water will be reused for greenbelt and plantation purpose. Zero liquid discharge will be maintained from the premises. - Existing village ponds shall be rejuvenated and protected through desilting, embankment, and plantation of local species along the periphery to enhance water storage and ecological value - Storm water drains will be made. The drains will be properly aligned in conformity with the site drainage pattern. - Rainwater harvesting inside premises will be practiced to prevent groundwater depletion & maximum reuse. - Regular monitoring of groundwater and surface water quality will be done.
Forest Area				
1.	Protected Forest / Reserve Forest	None within the study area.		
ASI Protected Site				
1	ASI Protected Site	None within the study area.		
National Park/ Wildlife Sanctuary/ Tiger Reserve				
1.	National Park/ Wildlife Sanctuary/ Tiger Reserve	None within the study area.		
Heritage sites				
1.	Heritage sites	None within the study area.		

28.5.14 **Compliance on applicability of Ministry OM's:**

S. No	Particulars	Applicability of OM	Compliance Status
1.	Land Acquisition	MoEF&CC O.M. dated 07.10.2014 and OM of MoEFCC, New Delhi dated. 20 th Feb., 2025	Out of total 91.5 ha land, Star Cement North East Limited (SCNEL) has executed an Agreement to Sale (ATS) with Jaitaran Renewable Power Limited (JRPL) for 47.79 ha area. Also, JRPL has executed an Agreement to Sale (ATS) with individual landowners for the same area. The process for execution of sale deed and transfer of possession for the said land is under progress. For the remaining 43.71 ha land, company is in process to acquire the land through JRPL on the basis of mutual agreement of JRPL with

S. No	Particulars	Applicability of OM	Compliance Status
			individual landowners. The company will acquire the land / will do agreement for the land before applying for Environmental Clearance to MoEFCC, New Delhi in compliance with the MoEFCC OM dated 07 th Oct., 2014 and 25 th Feb., 2025. JRPL is now 100 % subsidiary of SCNEL.
2.	Presence of Stream/Nallah within Site	MoEF&CC Notification, G.S.R. 85(E) dated 30 th January 2025 and amended on 13 th Jan., 2026	There is no water body within the project site. Nearest River is: o Lilri River (~1.5 km in North direction)
3.	Validity of ToR, Baseline Data and Public Hearing	F. No. IA3-22/10/2022-IA.III [E 177258] OM dated 08 th June 2022	Terms of Reference (ToR) Validity: Not Applicable at this stage, as the proposal is currently being considered for grant of Terms of Reference (ToR). Baseline Environmental Monitoring: Baseline environmental monitoring has been conducted during the Summer season (March to May 2026). As per the provisions of OM dated 08 th June 2022, the monitoring data remains valid for 3 years. Public Hearing: The Public Hearing will be undertaken subsequently, in accordance with the approved ToR and applicable regulatory requirements.
4.	Certified Compliance Report (Complied CCR)	IA3-22/10/2022-IA.III [E 1772581] dated 08.06.2022	Not applicable, as this is a greenfield project.
5.	Details of any Inter-linked/Integrated project if any	F. No. J-11013/41/2006-IA. II(I) MoEF&CC O.M. dated 24/12/2010	No, there is no interlinked project with this Integrated Cement Plant project. However, the required limestone will be sourced from Auction Blocks of the Company located at Village - Bogasani, Nimbol & Sinla, Tehsil - Jaitaran, District Beawar, other Limestone Mines and open market.
6.	Involvement of Forest land if any. Status of FC land approval under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980	Ministry's O.M. dated 9/9/2011 & its subsequent amendments	Not Applicable as there is no forest land involved in the project.
7.	Any ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc.	MoEF&CC O.M. dated 17/05/2022	Not Applicable as there is no ESZ / ESA / National Park / Wildlife sanctuary / Biosphere reserve / Tiger reserve / Elephant reserve etc. within 10 km radius of project site.

S. No	Particulars	Applicability of OM	Compliance Status
	within 10 km radius of project site. Whether applied for SCNBWL as per MoEF&CC O.M. dated 17/05/2022		
8.	Critically Polluted Area/Severely Polluted a. Whether project located in CPA/SPA b. Distance of project from CPA/SPA c. Whether additional environmental safeguards have been proposed	MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022	Not Applicable The project does not fall within Critically or Severely Polluted Area.
9.	Deliberation on the commitments made by project proponent and requirements to address the concerned raised during the public consultation reg.	MoEF&CC OM No. 22-65/2017-IA.III dated 30/09/2020 & 25/02/2021	Not Applicable. This Proposal is for grant of ToR, Public Hearing is yet to be conducted.
10.	Accreditation of EIA Consultant by Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET)	MoEF&CC OM No. J-11013/77/2004-IA-II(I) dated 30/09/2011	Complied. J.M. EnviroNet Pvt. Ltd. Registered EIA Consultant by NABET (QCI), (Certificate No. NABET/EIA/23-26/SA 0250; Valid till 07.08.2026)

Deliberation by the Committee

28.5.15 The Committee noted the following:

- i. The instant proposal is for setting up of a new Integrated Cement Plant with production capacity of Clinker - 8.0 Million TPA (2 x 4.0 Million TPA), Cement {Ordinary Portland Cement (OPC), Portland Pozzolana Cement (PPC), Portland Slag Cement (PSC), Composite Cement (CC) and Limestone Calcined Clay Cement (LC3)}- 6.0 Million TPA (2 x 3.0 Million TPA), WHRS - 50 MW (2 x 25 MW), CPP - 20 MW & D.G. Sets - 4000 kVA (2 x 2000 kVA or 2 x 1000 kVA and 4 x 500 kVA or 2 x 1000 kVA and 2 x 500 kVA & 4 x 250 kVA) in two phases.

- ii. The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- iii. The total land requirement for the project is 91.5 ha, which comprises private agricultural land. Out of the total land, M/s Star Cement North East Limited (SCNEL) has already executed an Agreement to Sale (ATS) for 47.79 ha through its subsidiary Jaitaran Renewable Power Limited (JRPL) with individual landowners, and the process of transfer of possession is under progress. For the remaining 43.71 ha, the company is in the process of acquiring land through JRPL on the basis of mutual agreement with individual landowners. It has been submitted that the company shall obtain necessary environmental clearance from MoEF&CC prior to final acquisition of the remaining land, in compliance with MoEF&CC Office Memorandum dated 07th October, 2014 and 25th February, 2025. The EAC opined that PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Village Ramawas Kalan is located at about 1.2 km in the east direction, with scattered houses located at a distance of about 90 m to 310 m from the project site. Other nearby habitations include Village Raniwal at about 1.7 km in the SSW direction. Educational institutions such as Govt. Senior Secondary School, Ramawas Kalan (~1.8 km, ESE), Govt. Senior Secondary School, Lototi (~2.0 km, NW), Govt. Senior Secondary School, Raniwal (~2.0 km, SSW), and Govt. Upper Primary School, Ramawas Khurd (~2.0 km, E) are present in the vicinity. Religious places such as Ramawas Hanuman Temple (~1.7 km, ESE) and Mahadev Temple, Ramawas (~1.9 km, E) are also located within the study area. In addition, Lilri River is located at about 1.6 km in the north direction from the project site along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. There are water bodies within the study area of the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vi. The water requirement for the proposed project is estimated as 2985 KLD (Phase - I: 1860 KLD & Phase - II: 1125 KLD), which will be obtained from Saline Ground Water (2620 KLD) / Treated Water. To meet this requirement, saline groundwater will be extracted and treated.. The EAC opined that PP shall secure necessary permission from the Competent Authority.
- vii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

28.5.16 After deliberations, the Committee **recommended** the proposal for prescribing specific ToRs for undertaking detailed EIA and EMP study along with **Public Hearing** in addition to the generic ToRs enclosed at **Annexure-1** read with additional ToRs at **Annexure-2**. The EAC categorically noted that the recommendation to grant ToR is technical in nature under the provisions of the EIA Notification 2006, and based on the information submitted by the PP and commitments made during deliberations. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013 and G.S.R. 85(E) dated 30th January, 2025 pertaining to “*Criteria For Establishment Of Industrial Plant*”, as amended. The specific ToRs are mentioned below:

- (i) PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- (ii) Project Proponent shall prepare a detailed Village Adoption and Socio-Economic Development Plan, with time-bound implementation, covering provision of basic amenities, health care facilities including periodic medical check-ups, skill development, and livelihood enhancement measures. The plan shall be prepared in consultation with the local administration and village representatives and incorporated in the EIA/EMP report with clearly earmarked budgetary allocation.
- (iii) Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance (for receptors not covered above). The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
- (iv) PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3 kms (for receptors not covered above), and up to the study area limits. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
- (v) There are other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
- (vi) The water requirement for the proposed project is estimated as 2985 KLD (Phase - I: 1860 KLD & Phase - II: 1125 KLD), which will be obtained from Saline Ground Water (2620 KLD) / Treated Water. PP shall secure necessary permission from the Competent Authority.
- (vii) Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
- (viii) The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic

development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.

- (ix) Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
- (x) The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
- (xi) Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
- (xii) Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
- (xiii) The “make-up” water required during the operation be reported, without any ambiguity.
- (xiv) The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
- (xv) An action plan must be drawn up and implemented for maximum harvesting of rain water.
- (xvi) The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
- (xvii) PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
- (xviii) Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
- (xix) PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
- (xx) PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

Agenda No. 28.6

28.6 Ferro Alloys (Si-Mn / Fe-Mn) Manufacturing Unit by M/s Hira Power & Steels Limited, located at Village: Singardih, Tehsil: Bhimbhauri, District: Bemetara, Chhattisgarh- Consideration of TOR.

[Proposal no.: IA/CG/IND1/573245/2026; File No. IA-J-11011/118/2026-IA-II (Ind-I)]

[Consultant: Eco Orbit Consultancy Pvt Ltd.; Valid upto: 08.01.2027]

28.6.1 M/s Hira Power & Steels Limited has made an online application vide proposal No. IA/CG/IND1/573245/2026 dated 15.04.2026 with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S.No. 3(a) Metallurgical Industries (ferrous and non-ferrous) under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

Details submitted by Project proponent

28.6.2 The project of M/s Hira Power & Steels Limited (HPSL) located at P.H. No. 00014, Part of Khasra No. 97/1 and Part of Khasra No. 97/2, "Hira Green" Gram Panchayat Gadamor Village - Singardih , Block - Berla, District - Bemetara , State – Chhattisgarh is for setting up of a Greenfield Ferro Alloys Manufacturing Unit to produce Silicomanganese (Si-Mn) – 2,20,500 TPA, Ferromanganese (Fe-Mn) – 3,36,000 TPA, and CLU (Secondary Refining) – 60,000 TPA, along with captive power generation through a 2 × 10 MW Waste Heat Recovery Boiler (WHRB).

28.6.3 Details of EDS:

S No	Requirement	Reply/Justification
1	Requirement as per GSR 62 and 63 dated 23.01.2026. Project Proponent may provide a village-wise information on environmental safeguards and mitigation measures for habitations falling within 3km radial distance. This shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. PP may indicate environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. This shall address environmentally sensitive receptors, covering villages, places of worship,	The proposed Ferro Alloys Manufacturing Project is located at Gram Panchayat Gadamor, Tehsil Bhimbhauri, District Bemetara, Chhattisgarh, in a predominantly rural setting characterized by agricultural land and low population density. A detailed assessment of environmental receptors, habitation patterns, and sensitive locations within the study area has been carried out in accordance with the requirements of GSR 62 & 63 dated 23.01.2026. The findings clearly indicate that the project is situated in a low-sensitivity environmental zone, and adequate safeguards have been incorporated to ensure that impacts on nearby habitations remain minimal and well within regulatory limits. Detailed Sensitivity Map along with Census data of 3 Km as well as 3-10 Km has been submitted.. The detailed analysis and mitigation framework has been submitted.

S No	Requirement	Reply/Justification
	educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.	
2	Alternate site analysis, proposal presentation, water permission, SOI Toposheet, authorisation letter in the name of the applicant, monitoring location maps. No Alternate site analysis has been done which is a mandatory requirement for the green field project. PP may also upload proposal presentation, water permission, SOI Toposheet, authorisation letter in the name of the applicant etc. which are essential for consideration of proposal. PP may upload Map showing the monitoring locations under section 22 of Part-A	In compliance with the query raised, it is submitted that a comparative alternate site analysis has been carried out, and the most suitable site has been selected based on environmental, technical, and socio-economic considerations. Alternate Site Analysis In addition to the selected project site, two other potential sites were identified and evaluated. The details of the sites considered are as follows: Site 1: P.H. No. 00015, Khasra No. 1460/1, Gram Tendubhata, Tehsil Magarlod, District Dhamtari, Chhattisgarh Site 2: Bendri (Urla area), Raipur, Chhattisgarh Site 3 (Selected Site): P.H. No. 00014, Part of Khasra No. 97/1 and 97/2, Gram Panchayat Gadamor, Tehsil Bhimbauri, District Bemetara, Chhattisgarh Basis for Selection of Proposed Site After detailed evaluation, Site No. 3 has been selected as the most suitable location due to the following reasons: Site 1 (Tendubhata, Dhamtari): - Located in proximity to dense forest areas, posing ecological sensitivity concerns - Presence of Margarlod village (~1 km distance) with relatively higher population density - Potential environmental and social impacts were considered significant Site 2 (Bendri, Raipur): - Located near a critically polluted industrial area (Urla industrial belt). - Proximity to Kharun River, increasing risk of environmental impact on surface water bodies - High cumulative pollution load and regulatory constraints Site 3 (Gadamor, Bemetara) – Selected Site: - Located in a non-industrial, low pollution zone

S No	Requirement	Reply/Justification
		○ Predominantly surrounded by agricultural land with sparse habitation ○ No proximity to forests, critically polluted areas, or major water bodies ○ Minimal environmental and social sensitivity ○ Better suitability in terms of environmental compliance, logistics, and long-term sustainability Thus, the selected site offers the least environmental impact and highest feasibility, making it the most appropriate choice for the proposed project. The comparative location map, SOI toposheet, and environmental sensitivity mapping has been submitted. Submission of Required Documents In compliance with the query, the following documents have been submitted: • Proposal Presentation: has been submitted. • SOI Toposheet (with project location): has been submitted. • Authorization Letter in the name of the applicant: has been submitted. • Monitoring Location Map (Air/Water/Noise/Soil): ○ has been submitted. Also uploaded under Section 22 of Part-A (Form-1) The alternate site analysis has been duly carried out, and all required supporting documents have been submitted. The selected site at Gadamor, Bemetara is environmentally suitable and complies with regulatory requirements, ensuring minimal ecological and social impact.
3	Required Document not uploaded by project proponent, Land-related documents Refer To: (Form 1 Part A - Land Acquisition Details) Credible document for acquisition of private land. The status of land acquisition may be submitted	In response to the observation regarding submission of credible land acquisition documents, it is submitted that the proposed project requires a total land area of 35.5 hectares, which is being acquired through the competent government authority. Out of the total land requirement: • 7.5 hectares of land (part of Khasra No. 97/2)

S No	Requirement	Reply/Justification
		○ Payment has already been made to the concerned department ○ Demand note has been complied with ○ The process of final allotment/possession is under progress • Remaining land (approx. 28.0 hectares) (part of Khasra No. 97/1 and adjoining areas) ○ Is under active acquisition process with the concerned authority ○ Applications have been submitted and are under consideration ○ All statutory procedures for allotment and possession are being duly followed The land is government land, and no private land acquisition or displacement is involved. Detailed land acquisition status, including application references, demand note compliance, and processing status, has been submitted. The land acquisition process is at an advanced stage, with partial payment completed and the balance land under processing. The project proponent confirms that: • Full land possession will be obtained prior to construction • All procedures are being carried out in compliance with applicable government norms
4	Status of collection of baseline data. Complete three-month baseline data is required as per OM 08.06.2022	In compliance with the requirements of MoEF&CC Office Memorandum dated 08.06.2022, it is submitted that the baseline environmental monitoring study has been undertaken for one full season (three months) covering all relevant environmental components. The baseline data collection has been carried out in accordance with the Standard Terms of Reference (ToR) and includes the following parameters: • Ambient Air Quality • Water Quality (surface water and groundwater) • Noise Levels (daytime and nighttime) • Soil Quality

S No	Requirement	Reply/Justification
		- Ecological Environment (flora and fauna assessment) - Socio-economic profile - Traffic study and infrastructure assessment The monitoring has been conducted through MoEF&CC/NABL-accredited laboratories using standard protocols prescribed by CPCB. At present, the field monitoring for the complete three-month period has been successfully completed. Laboratory analysis for a few parameters is in the final stage, and the results are awaited. The complete baseline environmental data, along with analysis, interpretation, and impact assessment, will be: - Compiled in the EIA/EMP Report, and - Submitted to MoEF&CC as part of the final EIA submission.

28.6.4 Environmental Site Settings:

S. No.	Particulars	Details			Remarks
1	Total Land	355000 (35.5 Ha.) – Industrial Land			Land Use: Industrial
2	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Land Details/Area	Status	Remark	No R&R
		Part of Khasra No. 97/2, admeasuring 7.5 ha.	- Payment has already been made to the concerned department - Demand note has been complied with - The process of final allotment/possession is under progress	In process	
		Part of Khasra No. 97/1, admeasuring 28 Ha.	- Is under active acquisition process with the concerned authority - Applications have been submitted and are under consideration - All statutory procedures for allotment and possession are being	In process	

S. No.	Particulars	Details			Remarks															
			duly followed																	
3	Existence of habitation & involvement of R&R, if any.	Project Site: Not Applicable as land use has been demarcated for industrial development and balance land allotment is under process. Study Area: <table><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td>Singardih</td><td>0.59</td><td>ESE</td></tr><tr><td>Karhidih</td><td>1.39</td><td>SW</td></tr><tr><td>Godamor</td><td>1.65</td><td>NE</td></tr><tr><td>Gondgiri</td><td>2.19</td><td>N</td></tr></table>			Habitation	Distance	Direction	Singardih	0.59	ESE	Karhidih	1.39	SW	Godamor	1.65	NE	Gondgiri	2.19	N	No R&R
Habitation	Distance	Direction																		
Singardih	0.59	ESE																		
Karhidih	1.39	SW																		
Godamor	1.65	NE																		
Gondgiri	2.19	N																		
4	Latitude and Longitude of all corners of the project site	<table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>P-1</td><td>21°23'28.64"N</td><td>81°29'46.69"E</td></tr><tr><td>P-2</td><td>21°23'17.02"N</td><td>81°29'32.73"E</td></tr><tr><td>P-3</td><td>21°22'53.09"N</td><td>81°29'25.04"E</td></tr><tr><td>P-4</td><td>21°23'4.92"N</td><td>81°29'49.85"E</td></tr></table>	Point	Latitude	Longitude	P-1	21°23'28.64"N	81°29'46.69"E	P-2	21°23'17.02"N	81°29'32.73"E	P-3	21°22'53.09"N	81°29'25.04"E	P-4	21°23'4.92"N	81°29'49.85"E			
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P-3	21°22'53.09"N	81°29'25.04"E																		
P-4	21°23'4.92"N	81°29'49.85"E																		
5	Elevation of the project site	306-310 m above mean sea level																		
6	Involvement of Forest land if any.	Not Applicable																		
7	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area.	Project Site: None Study Area: <table><tr><th>Water Body</th><th>Distance (Km)</th><th>Direction</th></tr><tr><td>Lor River</td><td>6.67</td><td>NE</td></tr><tr><td>Kharun River</td><td>8.04</td><td>SE</td></tr></table>			Water Body	Distance (Km)	Direction	Lor River	6.67	NE	Kharun River	8.04	SE							
Water Body	Distance (Km)	Direction																		
Lor River	6.67	NE																		
Kharun River	8.04	SE																		
8	Existence of ESZ/ESA/national Park/Wildlife Sanctuary /biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	None																		

28.6.5 The unit configuration and capacity of proposed project is given as below:

Particular	Configuration and Capacity
SAF	8 X 14 MVA, CLU - 15 T
Si-Mn	2,20,500 TPA
Fe-Mn	3,36,000 TPA
CLU (Secondary Refining)	60,000 TPA

Particular	Configuration and Capacity
Captive Power through Waste Heat Recovery Boiler	2 X 10 MW

28.6.6 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

Raw Material	Total after Implementation
Manganese Ore	8,40,000
Coal	2,11,680
Coke	70,560
Dolomite	84,000
Carbon Paste	10,080
Iron	33,600
Ferro Slag	2,68,800
High Carbon Ferro Alloy	59,580
Calcined Lime	3,840
Calcined Dolomite	2,160
Si Mn Fines	9,000
Fe Si Fines	3,000

S. No.	Raw Material	Supplier	Location of Dispatch	Mode of Transport	Distance from HPSL
1	Manganese Ore	MOIL	Chandrapur	Rail/Road	345 KM
		Sandur	Sandur	Rail/Road	1,203 KM
		Imported	Vishakhapatnam	Rail/Road	564 KM
2	Coal	SECL	Raigarh	Rail/Road	268 KM
			Korba	Rail/Road	222 KM
			Ambikapur	Rail/Road	345 KM
			Churcha	Rail	325 KM
		WCL	Nagpur	Rail/Road	290 KM
		CCL	Ranchi	Rail/Road	566 KM
		NCL	Singrauli	Rail/Road	470 KM
		Imported	Vishakhapatnam	Rail/Road	564 KM
3	Coke	Luky Coke	Dhanbad	Road	734 KM
		Metro Hard	Dhanbad	Road	734 KM
		Adhunik Fuels	Dhanbad	Road	734 KM
		Shubh Sales	Dhanbad	Road	734 KM
		Bangal Energy	Kharagpur	Road	724 KM
4	Carbon Electrode Paste	Maharashtra Carbon	Chandrapur	Road	345 KM
		Balaji Carbon	Raipur	Road	18 KM
5	Dolomite	Shri Shaym Industries	Durg	Road	18 KM

S. No.	Raw Material	Supplier	Location of Dispatch	Mode of Transport	Distance from HPSL
		P.R. Commercial	Bhilai	Road	30 KM
6	Quartz	NC Nahar	Bhilai	Road	44 KM
7	Lime Calcined	Rajasthan Lime	Jodhpur	Road	1273 KM
		Raj Chemicals	Nagpur	Road	290 KM
8	Dolo Calcined	Poddar Lime	Chandrapur	Road	345 KM

- 28.6.7 The total water requirement for the unit is 1771 KLD. Industrial and plantation water requirements will be met through surface water sources, while domestic needs will be fulfilled through groundwater supply, subject to necessary permissions from the competent authority.
- 28.6.8 The total power requirement for the proposed project is estimated at 128.8 MW which will be supplied by the Chhattisgarh State Power Distribution Company Limited (CSPDCL) through the existing regional transmission network and through inhouse Captive power generation through Waste Heat Recovery Power Generation of 20 MW. the facility will be equipped with one 1,500 kVA Diesel Generator (DG) set for emergency backup.
- 28.6.9 The capital cost of the project is Rs 790 Crores. The employment generation from the proposed project is 1030.
- 28.6.10 It is reported that there is no violation under EIA, 2006/Court case/show cause/ direction related to the project.
- 28.6.11 Proposed Terms of Reference (**Baseline data collection period:** December 2025 to February 2026)

Attributes	Parameters	Sampling		Remarks
		No. of Stations	Frequency	
Air	PM10, PM2.5, SO2, NOx, CO	8	Twice a week	-
Meteorological Parameters	Temperature, Humidity, Rainfall, Wind speed, wind direction	1	Daily	-
Noise	Day time noise and Night time noise	8	24 hour	-
Ground water	As per CPCB guidelines	8	One time in season	-
Surface Water		6		
Land	Land use/land cover	10 Km radius	-	-
Soil quality	Chemical and Physical parameters	8	One time in season	-

Attributes	Parameters	Sampling		Remarks
		No. of Stations	Frequency	
Biological	Flora and Fauna	10 Km radius	-	-
Socio Economic Parameters	-	10 Km radius	-	-

Deliberation by the Committee

28.6.12 The Committee noted the following:

- i. The is for setting up of a Greenfield Ferro Alloys Manufacturing Unit to produce Silicomanganese (Si-Mn) – 2,20,500 TPA, Ferromanganese (Fe-Mn) – 3,36,000 TPA, and CLU (Secondary Refining) – 60,000 TPA, along with captive power generation through a 2 × 10 MW Waste Heat Recovery Boiler (WHRB).
- ii. The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- iii. PP reported that the total land requirement for the project is 35.5 ha (55,000 m²), which is categorized as industrial land and does not involve any R&R issues. The land comprises two parcels, including part of Khasra No. 77/2 admeasuring 7.5 ha, for which payment has already been made to the concerned department, the demand note has been complied with, and the process of final allotment/possession is under progress. The remaining land, part of Khasra No. 77/1 admeasuring 28 ha, is under active acquisition through the concerned authority, with applications submitted and under consideration. The EAC opined that PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Village Singardih, a small habitation, is located at approximately 0.5 km from the project site, Karhidih at 1.39 km in SW, Godamor at 1.65 km in NE, Gondgiri at 2.19 km in North along with other sensitive receptors within the study area of the project site. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. There are water bodies within the study area of the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vi. The total water requirement for the unit is 1771 KLD. Industrial and plantation water requirements will be met through surface water sources, while domestic needs will be fulfilled through groundwater supply. The EAC opined that PP shall secure necessary permission from the Competent Authority.
- vii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the

provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

28.6.13 After deliberations, the Committee **recommended** the proposal for prescribing specific ToRs for undertaking detailed EIA and EMP study **subject to uploading of written submission placed before EAC on PARIVESH portal** along with **Public Hearing** in addition to the generic ToRs enclosed at **Annexure-1** read with additional ToRs at **Annexure-2**. The EAC categorically noted that the recommendation to grant ToR is technical in nature under the provisions of the EIA Notification 2006, and based on the information submitted by the PP and commitments made during deliberations. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013 and G.S.R. 85(E) dated 30th January, 2025 pertaining to “*Criteria For Establishment Of Industrial Plant*”, as amended. The specific ToRs are mentioned below:

- (i) PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- (ii) Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
- (iii) PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
- (iv) There are water bodies within the study area of the project site. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run-off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
- (v) The total water requirement for the unit is 1771 KLD. Industrial and plantation water requirements will be met through surface water sources, while domestic needs will be fulfilled through groundwater supply. PP shall secure necessary permission from the Competent Authority.
- (vi) Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
- (vii) The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry’s OM dated 30.09.2020. The Action

Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.

- (viii) Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
- (ix) The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
- (x) Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
- (xi) Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
- (xii) The “make-up” water required during the operation be reported, without any ambiguity.
- (xiii) The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
- (xiv) An action plan must be drawn up and implemented for maximum harvesting of rain water.
- (xv) The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
- (xvi) PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
- (xvii) Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
- (xviii) PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
- (xix) PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

Agenda No. 28.7

- 28.7 Expansion of Ferro Alloys Plant by Addition of 2 X 16.5 MVA SAF with Existing 1 X 12.5 MVA & 1 X 9 MVA SAF to Produce Different Alloys with Existing Plant by M/s. Oswal Smelter Private Limited, located at Village- Gollapuram, Mandal Hindupuram, District- Anantapur, Andhra Pradesh-Consideration of TOR.**

[Proposal no.: IA/AP/IND1/567121/2026; File No. IA-J-11011/643/2008-IA-II (I)]

[Consultant: Eco Orbit Consultancy Pvt Ltd.; Valid upto: 08.01.2027]

- 28.7.1 M/s. Oswal Smelter Private Limited has made an online application vide proposal no. IA/AP/IND1/567121/2026 dated 29.01.2026 along with the application in prescribed format (CAF, Form – I Part A & B), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(a) Metallurgical industries (ferrous and non-ferrous) under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

Details submitted by Project proponent

- 28.7.2 The project of M/s Oswal Smelter Private Limited located at Sy. No.- 31-1, 2, 3,32-1A, 2B, 37-2, 38-1, 2 & 48-1, Village- Gollapuram, Mandal Hindupuram, District- Anantapur, Andhra Pradesh is for expansion of Ferro Alloys Plant by Addition of 2 X 16.5 MVA SAF along with existing 1 X 12.5 MVA & 1 X9 MVA SAF to produce different Alloys within existing plant premises.

- 28.7.3 Details of EDS:

STATUS OF EDS RAISED BY MOEF&CC		
S. No	Requirement	Reply/Justification
1.	PP may upload valid CTO for further consideration of the proposal.	CTO has been received from APPCB vide Letter no. Lr.No: 1315333/APPCB/KNL/ATP/CTO/HO/2026 CTO has been submitted.

- 28.7.4 Environmental Site Settings:

S. No.	Particulars	Details	Remarks									
1	Total Land	35.47 Acres – Industrial Land	Land Use: Industrial									
2	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Land already acquired	No R&R									
3	Existence of habitation & involvement of R&R, if any.	Project Site: Not Applicable Study Area:<table><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td>Gollapuram</td><td>0.99</td><td>SE</td></tr><tr><td>Hunasenahalli</td><td>1.27</td><td>NE</td></tr></table>	Habitation	Distance	Direction	Gollapuram	0.99	SE	Hunasenahalli	1.27	NE	No R&R
Habitation	Distance	Direction										
Gollapuram	0.99	SE										
Hunasenahalli	1.27	NE										

S. No.	Particulars	Details				Remarks
		Kotipi		2.49	N	
		Kirikera		3.37	NW	
4	Latitude and Longitude of all corners of the project site	Point	Latitude		Longitude	
		P-1	13°44'11.77"N		77°30'54.42"E	
		P-2	13°44'6.79"N		77°31'2.25"E	
		P-3	13°44'19.47"N		77°31'16.92"E	
		P-4	21°23'4.92"N		77°31'15.63"E	
5	Elevation of the project site	684 to 696 m above mean sea level				
6	Involvement of Forest land if any.	Not Applicable				
7	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area.	<u>Project Site:</u> None				
		<u>Study Area:</u>				
		Water Body	Distance (Km)	Direction		
		Penner River	3.31	W		
		Kumudvati River	8.11	W		
8	Existence of ESZ/ESA/national Park/Wildlife Sanctuary /biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	None				

28.7.5 The project was initially granted Environmental Clearance by the Ministry of Environment, Forest and Climate Change vide F. No. J-11011/643/2008-IA II (I) dated 13.05.2010, followed by an expansion EC vide F. No. J-11011/643/2008-IA.II(I) dated 10.02.2020. The unit holds a valid Consent for Operation (CFO) issued by the Andhra Pradesh Pollution Lr. No: 1315333/APPB/KNL/ATP/CTO/HO/2026 dated 25.04.2026.

28.7.6 The unit configuration and capacity of existing and proposed project is given as below:

Product/SAF	As per EC dated 10.02.2020 (1)	As per CFO	Additional Proposed	After Expansion
		(2)	(3)	(4 = 2 + 3)
Furnace Configuration (MVA)				

SAF	3 x 12.5 MVA	1 x 12.5 MVA, 1 x 9 MVA	2 x 16.5 MVA	1 x 9 MVA, 1 x 12.5 MVA, 2 x 16.5 MVA
Production Capacity (TPA)				
Si-Mn or	50000	26000	74000	100000
Fe-Mn or	61700	32900	92100	125000
Fe-Si or	33200	18000	31500	49500
Fe-Mo or	1200	13000	2000	15000
Fe-Ti or	1200		(-)8000	5000
Fe-V or	1200		2000	15000
MC Fe-Mn or	3000		(-)8000	5000
LC Fe-Mn or	3000		(-)8000	5000
Fe-Nb or	1200		(-)3000	10000
Fe-Si-Zr or	1000		(-)8000	5000
Fe-B or	1200		(-)8000	5000
Corded Wire	0	4000	6000	10000
Pig Iron	0	0	165000	165000
LC Fe-Chrome	0	0	15000	15000
Maximum Product Approved	78,700	78,700	46,300	1,25,000

28.7.7 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

Sr. No.	Raw Material	Existing Requirement (TPA)	Additional Requirement (TPA)	Total After Expansion (TPA)	Source	Max. Road Travelled Distance (km)	Mode of Transportation
1	Manganese Ore	1,43,960	4,06,040	5,50,000	Mining / Import	1000	By Road
2	Iron Ore	0	1,63,350	1,63,350	Mining / Import	1000	By Road
3	Iron Ore Fines	0	18,150	18,150	Mining / Import	1000	By Road
4	Chrome Ore	0	24,750	24,750	Import	500	By Road
5	Zircon Sand	12,311	4,735	17,046	Import	500	By Road
6	Ilmenite	15,470	5,950	21,420	Local	500	By Road
7	Niobium Pentoxide	12,630	11,900	24,530	Import	500	By Road
8	Vanadium Pentoxide	13,000	15,000	28,000	Import	500	By Road
9	Boric Oxide	6,526	2,510	9,036	Local	500	By Road
10	Roasted Molybdenum	13,000	15,000	28,000	Import	500	By Road
11	Quartz	40,900	1,28,783	1,69,683	Local	200	By Road

Sr. No.	Raw Material	Existing Requirement (TPA)	Additional Requirement (TPA)	Total After Expansion (TPA)	Source	Max. Road Travelled Distance (km)	Mode of Transportation
12	Coke / Pearl Coke	52,445	1,09,675	1,62,120	Local / Import	500	By Road
13	Coal / Steam Coal	30,140	1,56,700	1,86,840	Local	300	By Road
14	Charcoal	33,864	68,375	1,02,239	Local	300	By Road
15	Silico Chrome	0	10,080	10,080	Import	500	By Road
16	Ferro Silicon (as reductant)	5,200	6,000	11,200	Own Generated	0	By Road
17	Aluminium Powder	57,200	35,800	93,000	Local	700	By Road
18	Mill Scale	30,169	1,01,240	1,31,409	Local	15	By Road
19	Iron Chips / Scrap	17,810	15,004	32,814	Local	15	By Road
20	Dolomite / Limestone / Lime	36,452	1,17,570	1,54,022	Local	500–700	By Road
21	Fluorspar	3,010	3,900	6,910	Local	700	By Road
22	Electrode Paste	2,698	8,747	11,445	Local / Regional	300	By Road
23	Mild Steel Strip (Cored Wire)	2,800	7,000	9,800	Local	15	By Road
24	Alloy Powder / Flux (Cored Wire)	1,120	2,800	3,920	Local / Import	500	By Road
25	Binding / Lubricants / Adhesives	20	50	70	Local	200	By Road
26	Packaging Material	80	200	280	Local	200	By Road

28.7.8 The total freshwater requirement of the existing plant is 147 KLD, which is presently sourced from the APIIC water supply system. With the proposed expansion, the total freshwater requirement will increase to 506 KLD, which will be met through APIIC water supply supplemented by authorized tanker supply, as required. Water requirement for green belt development will be met partly through fresh water and partly through treated sewage from the Sewage Treatment Plant (STP), thereby optimizing freshwater consumption.

28.7.9 The total power requirement of the existing unit is 20 MW, which will increase to 54 MW after the proposed expansion due to installation of additional Submerged Arc Furnaces. Power supply to the

plant is sourced from Eastern Power Distribution Company of Andhra Pradesh Limited through the existing regional transmission and distribution network.

28.7.10 The cost of the existing plant is 75 crore and cost of proposed expansion is 100 crores. The project will generate additional direct employment for about 300 persons, thereby increasing total direct employment to approximately 520 nos.

28.7.11 It is reported that there is no violation under EIA, 2006/Court case/show cause/ direction related to the project.

28.7.12 Proposed Terms of Reference (**Baseline data collection period: December 2025 to February 2026**)

Attributes	Parameters	Sampling		Remarks
		No. of Stations	Frequency	
Air	PM10, PM2.5, SO ₂ , NO _x , CO	8	Twice a week	-
Meteorological Parameters	Temperature, Humidity, Rainfall, Wind speed, wind direction	1	Daily	-
Noise	Day time noise and Night time noise	8	24 hour	-
Ground water	As per CPCB guidelines	8	One time in season	-
Surface Water		6		-
Land	Land use/land cover	10 Km radius	-	-
Soil quality	Chemical and Physical parameters	8	One time in season	-
Biological	Flora and Fauna	10 Km radius	-	-
Socio Economic Parameters	-	10 Km radius	-	-

Deliberation by the Committee

28.7.13 The Committee noted the following:

- The instant proposal is for expansion of Ferro Alloys Plant by Addition of 2 X 16.5 MVA SAF along with existing 1 X 12.5 MVA & 1 X9 MVA SAF to produce different Alloys within existing plant premises.
- The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- The total project land is 35.47 Acres, which is an industrial land and under the possession of the company.

- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearby habitations include Gollapuram village at about 0.99 km in the south-east direction, Hunasenahalli village at about 1.27 km in the north-east direction along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. The Committee noted that there are water bodies within the study area of the project site, including Penner River at about 3.31 km in the west direction. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vi. With the proposed expansion, the total freshwater requirement will increase to 506 KLD, which will be met through APIIC water supply supplemented by authorized tanker supply, as required. Water requirement for green belt development will be met partly through fresh water and partly through treated sewage from the Sewage Treatment Plant (STP), thereby optimizing freshwater consumption. PP shall secure necessary permission from the Competent Authority.
- vii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

28.7.14 After deliberations, the Committee **recommended** the proposal for prescribing specific ToRs for undertaking detailed EIA and EMP study along with **Public Hearing** in addition to the generic ToRs enclosed at **Annexure-1** read with additional ToRs at **Annexure-2**. The EAC categorically noted that the recommendation to grant ToR is technical in nature under the provisions of the EIA Notification 2006, and based on the information submitted by the PP and commitments made during deliberations. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013 and G.S.R. 85(E) dated 30th January, 2025 pertaining to “*Criteria For Establishment Of Industrial Plant*”, as amended. The specific ToRs are mentioned below:

- (i) PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- (ii) Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally

vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.

- (iii) PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
- (iv) There are water bodies within the study area of the project site, including Penner River at about 3.31 km in the west direction. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
- (v) With the proposed expansion, the total freshwater requirement will increase to 506 KLD, which will be met through APIIC water supply supplemented by authorized tanker supply, as required. Water requirement for green belt development will be met partly through fresh water and partly through treated sewage from the Sewage Treatment Plant (STP), thereby optimizing freshwater consumption. PP shall secure necessary permission from the Competent Authority.
- (vi) Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
- (vii) The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
- (viii) Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
- (ix) The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
- (x) Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the

annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.

- (xi) Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
- (xii) The “make-up” water required during the operation be reported, without any ambiguity.
- (xiii) The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
- (xiv) An action plan must be drawn up and implemented for maximum harvesting of rain water.
- (xv) The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
- (xvi) PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
- (xvii) Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
- (xviii) PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
- (xix) PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

Consideration of Amendment in EC Proposal

Agenda No. 28.8

28.8 Amendment Expansion of Sponge Iron Plant (1,60,000 to 2,60,000 TPA) and installation of mini blast furnace (1,00,000 TPA) Steel Melt Shop (3,00,000 TPA), Coal Washery (7,00,000 TPA), Captive Power Plant (WHRB, 21 MW & FBB, 24 MW) by M/s Aryan Ispat & Power Pvt. Ltd., located at village & P.O. Bomaloi, District Sambalpur, Odisha– Consideration of Amendment in Environmental Clearance.

[Proposal No. IA/OR/IND1/426583/2023; File No. IA-J-13012/60/2007-IA-II(IND-I)]

- 28.8.1 M/s Aryan Ispat & Power Pvt. Ltd. has made an online application vide proposal no. IA/OR/IND1/426583/2023 dated 05.12.2023 along with the application in prescribed format - Form 4 (CAF, Form – I Part A, B and C) and Addendum EIA and sought for amendment in Environment Clearance accorded by the Ministry vide File no. J-13012/2007-IA(II)(I) dated 16th September, 2008 w.r.t. Reduction in land from 105.218 Ha (260 Acre) to 82.78 Ha (204.56 Acre).
- 28.8.2 The proposal was earlier considered during 63rd meeting of the EAC for Industry-I sector held on 23rd – 25th July 2024 wherein the Committee recommended the proposal for amendment in EC granted vide letter File no. J-13012/2007-IA(II)(I) dated 16th September, 2008 subject to obtaining Closure report on non-compliance from CMD, MoEF&CC, and submission of layout plan clearly

delineating the coal washery area and area covered under the instant EC such that the reduced area shall be reflected as 70.13 Ha (excluding coal washery).

28.8.3 Based on the submission of PP, the proposal was again considered during 22nd EAC (Industry-1) Meeting held during 24th - 25th February, 2026 wherein Committee deferred the proposal in view of the absence of preparedness on the part of the Project Proponent.

28.8.4 The Project Proponent has further submitted the desired information vide letter dated 05.05.2026 uploaded on PARIVESH portal on 05.05.2026 in response to the observations of the Committee. The chronology of developments is as follows:

- The project was reviewed by the Integrated Regional Office (IRO), MoEF&CC, Bhubaneswar based on site inspection carried out on 01.03.2024, and a monitoring/report was submitted to the Ministry vide letter dated 12.04.2024.
- The Ministry examined the monitoring report and observed that several EC conditions were either not complied or partially complied, including major environmental safeguards. Accordingly, a Show Cause Notice (SCN) was issued to the Project Proponent vide letter dated 22.05.2024.
- In response, the Project Proponent submitted its reply to the SCN vide letter dated 20.06.2024, which was further examined by the IRO, Bhubaneswar. The IRO submitted its review report on the SCN compliance to the Ministry vide letter dated 10.12.2024.
- The Ministry, after examining the SCN response and review report, observed improvement in the compliance status; however, certain conditions were still not satisfactorily complied. In order to deliberate upon the remaining non-compliances, a Personal Hearing was convened.
- Accordingly, a Personal Hearing was held on 20.02.2025 under the Chairmanship of Joint Secretary, MoEF&CC, wherein the compliance status of EC conditions, particularly those reported as non-complied/partially complied, was deliberated in detail.
- During the Personal Hearing, the Committee/Chair observed deficiencies in compliance such as incomplete installation of continuous emission monitoring systems, non-availability of complete emission data (SO₂/NO_x), absence/inadequacy of ETP, partial compliance in solid waste management, greenbelt development, and other environmental safeguards.
- After detailed deliberation, specific directions were issued to the Project Proponent, inter alia, to: ensure installation and integration of online continuous monitoring systems for all stacks; submit complete emission monitoring data; undertake study regarding effluent management and adequacy of pollution control systems; provide action plan with timelines for compliance of pending conditions; and furnish supporting documents for compliance of environmental safeguards.
- Project Proponent, in compliance with the directions issued during the Personal Hearing, submitted the Action Taken Report (ATR) along with supporting documents to the IRO, MoEF&CC, Bhubaneswar, which was examined and comments thereon were forwarded to the Compliance & Monitoring Division (CMD), MoEF&CC vide letter dated 26.09.2025.
- The IRO, in its review, observed that while certain pollution control measures had been undertaken, several EC conditions remained partially complied. Key observations included incomplete installation and integration of continuous emission monitoring systems (CEMS) across all stacks, absence of complete emission data particularly with respect to SO₂ and NO_x, and inadequacy/non-availability of ETP at site. It was further observed that certain conditions

related to solid waste management, including fly ash utilization (with respect to permissions for disposal), were not fully complied. The compliance status for several conditions was therefore considered partial, requiring further verification and submission of supporting documents by the Project Proponent.

- The project proponent submitted its request for consideration of proposal further citing the reference of the personal proceedings wherein it was mentioned that *“The reports from PP wrt para 3 above along with comments of RO, and the time bound action plan as referred at para 3 above to be considered by IA(Ind-I) for appraisal and if satisfied the expansion proposal of the PP may be considered and appropriately recorded in the EC for future review of the compliance”*.
- PP has now submitted the revised ATR/EDS reply along with supporting documents addressing the observations made during the Personal Hearing and subsequent review by the Ministry.

28.8.5 Accordingly, the proposal was re-considered during 28th EAC (Industry-1) Meeting held during 21st -22nd May, 2026. The deliberations and recommendations of EAC are as follows:

Written submission:

28.8.6 During the meeting, based on the discussion, the project proponent through emails dated 21.05.2026 and 21.05.2026 submitted the details of all five stacks monitoring systems connected with the CPCB & OSPCB server.

Deliberations by the Committee

28.8.7 The Committee noted the following:

1. The Committee noted that PP has sought for amendment in Environment Clearance accorded by the Ministry vide File no. J-13012/2007-IA(II)(I) dated 16th September, 2008 w.r.t. Reduction in land from 105.218 Ha (260 Acre) to 70.13 Ha (173.32 Acre) [Revised from 82.78 Ha (204.56 Acre) to 70.13 Ha (173.32 Acre) considering exclusion of 12.65 ha on which standalone 5.0 MTPA Coal Washery was established for which separate EC has been obtained].
2. The Committee deliberated in detail on the submissions made by the Project Proponent, including the chronology of events post appraisal in the 63rd EAC meeting, observations of the Integrated Regional Office (IRO), MoEF&CC, Bhubaneswar, proceedings of the Personal Hearing held on 20.02.2025, directions issued therein, Action Taken Report (ATR) submitted by the PP along with supporting documents, and the revised submissions made during the present meeting.
3. The Committee noted that the proposal had earlier been examined in the light of non-compliances observed by the IRO and subsequent Show Cause Notice issued by the Ministry, followed by review of compliance status, conduct of Personal Hearing, and issuance of specific directions to the PP for addressing the gaps. The Committee further noted that the PP has submitted the revised ATR addressing the observations raised during the Personal Hearing and subsequent review by the Ministry.
4. The Committee observed that the PP has taken steps towards compliance of the EC conditions, including installation and integration of monitoring systems, strengthening of pollution control measures, and submission of supporting documents/data. The Committee also took note of the

written submissions made by the PP during the meeting, including details of connectivity of stack monitoring systems with CPCB/SPCB servers.

5. After detailed deliberation, the Committee was of the view that the compliance status as submitted by the PP through the revised ATR and supporting documents is broadly satisfactory for the purpose of consideration of the present amendment proposal. The Committee further observed that the amendments sought are administrative/clarificatory in nature and do not involve any change in plant configuration, production capacity, land area, or pollution load
6. The Committee, however, emphasized that the commitments made by the Project Proponent in the ATR and during the course of appraisal shall be strictly implemented in a time-bound manner, and the compliance status shall be monitored by the Integrated Regional Office (IRO), MoEF&CC, Bhubaneswar. The PP shall submit periodic compliance reports along with supporting documents to the IRO and the Ministry for review.
7. The Committee also deliberated on the revised layout plan submitted by PP delineating the coal washery area and the area covered under the instant EC and found it satisfactory.

Recommendations of the Committee:

- 28.8.8 In view of the above observations, the Committee **recommended** the proposal **subject to uploading of written submission on PARIVESH portal** for amendment in EC granted vide letter File no. J-13012/2007-IA(II)(I) dated 16th September, 2008 w.r.t. Reduction in land from 105.218 Ha (260 Acre) to 70.13 Ha (173.32 Acre). The amendment is granted with the following stipulation:
- (i) The commitments made by the Project Proponent in the Action Taken Report (ATR) and during the course of appraisal for the pending compliances shall be implemented in a time-bound manner, and compliance thereof shall be submitted periodically to the Integrated Regional Office (IRO), MoEF&CC for monitoring.
 - (ii) The other terms and conditions of the EC letter dated 16.09.2008 shall remain the same.

DAY 2: MAY 22, 2026 [FRIDAY]

Consideration of EC Proposal

Agenda No. 28.9

- 28.9 Expansion of existing Cement Plant (Clinker, Cement & WHRS) by installation of a new line of clinkerisation & cement grinding with WHRS by M/s. Dalmia Cement (Bharat) Ltd, located at Village- Chinnakomerla & Dugganpalli, Mandal- Mylavaram District- YSR Kadapa State- Andhra Pradesh-Consideration of EC.**

[Proposal no.: IA/AP/IND1/576361/2026; File No. IA-J-11011/76/2007-IA-II (Ind-I)]

[Consultant: Perfact Enviro Solutions Pvt. Ltd.; Valid upto: 26.11.2028]

- 28.9.1 M/s. Dalmia Cement (Bharat) Ltd. has made an application online vide proposal no. IA/AP/IND1/576361/2026 dated 22.04.2026 along with copy of EIA/EMP report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(b) Cement Plants, 1(d) Thermal Power Plant and 8(a) Building/Construction under Category “A” of the schedule of the EIA Notification, 2006 and being appraised at Central Level.

- 28.9.2 Name of the EIA consultant: M/s. Perfact Enviro Solutions Pvt. Ltd. [List of ACO's with Accreditation Certificate/Extension Letter No.: NABET/EIA/2225/RA 0284 (Rev.01); valid till 26.11.2028].

Details submitted by Project proponent

- 28.9.3 The details of the ToR are furnished as below:

Date of application	Consideration	Details	Date of accord	ToR Validity
18.03.2024	60 th meeting of the EAC for Industry-I sector held on 11 th – 12 th June 2024	Terms of Reference	01.07.2024	30.06.2028

- 28.9.4 The project of M/s Dalmia Cement (Bharat) Ltd. located in Chinnakomerla & Dugganpalli Village, Mylavaram Mandal, YSR Kadapa District, Andhra Pradesh is for expansion of existing Integrated Cement Plant (Clinker, Cement & WHRS) by installation of a new line of clinkerisation & cement grinding with WHRS for enhancement of production of cement (OPC/PPC/PSC/Composite Cement/SRPC, GGBFS and other varieties of cement) from 4.6 MTPA to 12.6 MTPA , Clinker from 2.6 MTPA to 7.6 MTPA & WHRS from 12 MW to 28 MW.

- 28.9.5 Environmental Site Settings:

S. No.	Particulars	Details	Remarks
i.	Total land	150 ha (Private industrial Land) The existing plant area is 120 ha including plant and colony area. With the installation of proposed New Line-II, plant area will increase from existing 120 ha to 150 ha. Additional area	Land use: Entire land is non-forest land which is in possession of the company and had

S. No.	Particulars	Details	Remarks															
		is contiguous & in possession of the company. No forest Land is involved.	been converted to non-agriculture															
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	In possession of the company and converted for industrial use.	purpose in favor of the Company. Proceedings of the Competent Authority and Revenue Divisional Officer, Jammalamadugu vide letter no. R.DIS.D/268/2007 dated 07.05.2008 submitted with proposal.															
iii.	Existence of habitation & involvement of R&R, if any.	Project Site: Nil; R & R Plan is not applicable Study Area: Villages nearby plant <table><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr><tr><td>Chinnakomerla</td><td>0.02 Km</td><td>S</td></tr><tr><td>Dugganapalli</td><td>0.11 Km</td><td>W</td></tr><tr><td>Nawabpeta</td><td>0.54 Km</td><td>N</td></tr><tr><td>Peda Komerla</td><td>0.95 Km</td><td>ESE</td></tr></table>	Habitation	Distance	Direction	Chinnakomerla	0.02 Km	S	Dugganapalli	0.11 Km	W	Nawabpeta	0.54 Km	N	Peda Komerla	0.95 Km	ESE	Not applicable
Habitation	Distance	Direction																
Chinnakomerla	0.02 Km	S																
Dugganapalli	0.11 Km	W																
Nawabpeta	0.54 Km	N																
Peda Komerla	0.95 Km	ESE																
iv.	Latitude and Longitude of all corners of the project site.	Boundary Coordinates of Project area are: <table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>Point A</td><td>14°56'28.85"N</td><td>78°20'11.41"E</td></tr><tr><td>Point B</td><td>14°55'57.72"N</td><td>78°20'0.90"E</td></tr><tr><td>Point C</td><td>14°55'28.58"N</td><td>78°20'43.43"E</td></tr><tr><td>Point D</td><td>14°55'56.13"N</td><td>78°20'49.32"E</td></tr></table>	Point	Latitude	Longitude	Point A	14°56'28.85"N	78°20'11.41"E	Point B	14°55'57.72"N	78°20'0.90"E	Point C	14°55'28.58"N	78°20'43.43"E	Point D	14°55'56.13"N	78°20'49.32"E	Not applicable
Point	Latitude	Longitude																
Point A	14°56'28.85"N	78°20'11.41"E																
Point B	14°55'57.72"N	78°20'0.90"E																
Point C	14°55'28.58"N	78°20'43.43"E																
Point D	14°55'56.13"N	78°20'49.32"E																
v.	Elevation of the project site	Avg. 224 m above mean sea level	—															
vi.	Involvement of Forest land if any.	Status of stage I Forest Clearance: NA	No Forest Land involved															
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: No water body exists within the plant site except artificial Rainwater Harvesting Ponds/reservoir created by the company. Study area: Following water bodies falls within 10 km radius: <table><tr><th>Water body</th><th>Distance & Direction</th></tr><tr><td>Nala</td><td></td></tr><tr><td>● Nallah/Vagu near Project area</td><td>● 0.02 km in NE direction</td></tr><tr><td>● Konda Vagu (Nala)</td><td>● 9.40 Km in ENE direction</td></tr></table>	Water body	Distance & Direction	Nala		● Nallah/Vagu near Project area	● 0.02 km in NE direction	● Konda Vagu (Nala)	● 9.40 Km in ENE direction	A Nallah/Vagu is passing adjacent to the plant. NOC from WRD has also been obtained vide letter no. TW/ATO/785 dated 15.11.2025.							
Water body	Distance & Direction																	
Nala																		
● Nallah/Vagu near Project area	● 0.02 km in NE direction																	
● Konda Vagu (Nala)	● 9.40 Km in ENE direction																	

S. No.	Particulars	Details		Remarks
		River: • Tigaleru River • Penneru River	• 1.85 km in East direction • 7.33 km in SSE direction	
		Canal • Nossam Branch Canal • GNSS Canal • Mailavaram Cuddapah Left bank canal	• 1.5 km in SE direction • 4 km in West direction • 6.5 km in SSE direction	
		Reservoir • Mylavaram Reservoir & Dam	• 8.2 km in South direction	
viii.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/tiger reserve/ elephant reserve etc. if any within the study area	Nil • List of Reserved and protected forests: ○ Protected Forest (PF)- None ○ Reserve forest - Pennar Plantation VIII, Compt. No. 62 (RF) – 9.61 km, SE		Not applicable Map confirming the same has been authenticated by Principal Chief Conservator of Forests & HoFF and Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden (FAC), Andhra Pradesh vide its File No. EFS02-21024/8/2019-WILD LIFE SEC-PCCF, Rc.no. 10432/2020/WL-2 dated 04/10/2021.
9	Details of inter-linked projects needs to be submitted	Not applicable The cement plant is not inter-linked with any single captive mine in an integrated or inseparable manner. The operation of the cement plant is not dependent on any one specific mine, and limestone sourcing may be varied among the approved captive mines based on operational feasibility and regulatory compliance. Therefore, the proposed project does not qualify as an “interlinked project” as envisaged under the Office Memorandum dated 24.12.2010. Separate/Independent EC of respective mines either available or under process.		

28.9.6 The existing project was accorded Environmental Clearance vide letter.no. J-11011/76/2007-IA-II (I)dated 05.04.2007 in the name of Eswar Cement Pvt. Ltd. and subsequently transferred to Dalmia Cement (Bharat) ltd. vide letter dated 05.09.2007. Consent to Operate for the existing unit was accorded by Andhra Pradesh State Pollution Control Board vide lr. no. 365704APPCB/KNL/KDP/CTO&HWA/HO/2024- dated 30.03.2024. The validity of CTO is up to 28.02.2029.

28.9.7 Implementation status of the existing EC:

Sl. No.	Facilities	Units	As per EC dated 05th April,2007 and subsequent amendment dated 06.03.2023 under the provisions of S.O.980-(E).	Implementation Status as on date	Production as per CTO dated 30th March, 2024
1.	Clinker	MTPA	2.6	2.6	2.6
2.	Cement	MTPA	4.6	4.6	4.6
3.	CPP	MW	40	--	--
4.	WHRS	MW	12	12	12
5.	Residential Colony	Nos. of houses	200	60	--

28.9.8 The unit configuration and capacity of existing and proposed project is given as below:

Sl. No.	Plant Equipmen t/ Facility	Existing facilities as per EC dated 5 th April, 2007 and subsequent amendment dated 06.03.2023 under the provisions of S.O.980-(E).								Proposed Units		Final (Existing + Proposed)	
		Total (A+B)		Implemented (A)		Un-implemented (B)		As per CTO					
		Config.	Cap.	Config.	Cap.	Config.	Cap.	Config.	Cap.	Config.	Cap.	Config.	Cap.
1	Clinker	Kiln - 1 x 8000 TPD	2.6 Million TPA	Kiln - 1 x 8000 TPD	2.6 Million TPA	--	--	Kiln - 1 x 8000 TPD	2.6 Million TPA	Kiln - 15152 TPD	5 Millio n TPA	Kiln - 1 x 8000 TPD & Kiln 2-15152 TPD	7.6 Million TPA
2	Cement (OPC/PPC / PSC/ Composite Cement/ SRPC, GGBFS and other varieties of cement)	Mill-1: 420 TPH Mill 2: 160 TPH	4.6 Million TPA	Mill-1: 420 TPH Mill 2: 160 TPH	4.6 Million TPA	--	--	Mill-1: 420 TPH Mill 2: 160 TPH	4.6 Million TPA	2 cement mills circuit	8 (2X4) Millio n TPA	4 cement mills circuit	12.6 Million TPA
3	CPP	40	MW	--	--	40	MW	--	--	--	--	--	--
4	WHRS	12 MW	12 MW	12 MW	12 MW	--	--	12 MW	12 MW	16 MW	16 MW	28 MW	28 MW
5	D.G. Set	2x650 + 1x 250	2x650 + 1x 250	2x650 + 1x 250	2x650 + 1x 250	--	--	2x650 + 1x 250	2x650 + 1x 250	2 x 600 + 1 x 250	2 x 600 + 1 x 250	2 x 650 + 2 x 600 + 2 x 250	2 x 650 + 2 x 600 + 2 x 250
6	Colony	200 dwelling units	200 dwelling units/32 ha	60 dwelling units	60 dwellin g units	140 dwellin g units	140 dwellin g units	60 dwellin g units	60 dwellin g units	128 dwelling units	128 dwelli ng units	188 dwelling units	188 dwellin g units/ 32 ha

28.9.9 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

S. No.	Name of Raw Material	Raw Material Quantities (Million TPA)			Source	Distance from site (Kms) Distance & Mode of Transportation	Mode of Transportation
		Existing (Line - I)	Proposed (Line - II)	Total (Line - I + Line II)			
1.	Limestone*	3.82	7.70	11.52	Nawabpeta Limestone Mine/ Kotapadu Limestone mine & Open market/ auctioned block	By Conveyor Belt. ~ 2.6 km Or By road ~ 50 km & railways ~ 500 Km	Road/ Railways
2.	Red mud/ Iron Ore	0.07	1.23	1.30	Bellary/ local	250 km	Road
3.	Gypsum (Natural / Chemical)	0.14	0.24	0.38	Tuticorin	825 km	Road
4.	Bauxite	0.18	1.23	1.41	Rajahmundry	577 km	Road
5.	Fly Ash	1.61	2.80	4.41	Rayalseema TPP, APPDCL and thermal plant of area	150 Km	Road
6.	Slag	2.99	5.20	8.19	Purchase from JSW Bellary, Shri Sai Enterprises, Tadipatri	250 km	Road

Note: In existing Line and Proposed line, red mud/ Iron Ore, Gypsum, wet fly ash are being/will be stored under the same shed.

• **Nawabpeta Limestone mine-** Existing EC for 3.819 Million TPA limestone vide File no. J-11011/76/2007-IA-II (I)(T) dated 5th April 2007. EC application for expansion of limestone production from 3.819 to 11.3 Million TPA has been submitted to MoEFCC vide Proposal No.: IA/AP/MIN/544121/2025 on 27.08.2025 which is under process.

• **Kotapadu Limestone mine-** EC available for 2.14 Mill.TPA limestone vide File no. J-11015/35/2009-IA.II (M) dated 20th May 2014.

***Madavapuram Limestone** block is e-auctioned by Govt. of Andhra Pradesh as non-captive mine and DCBL is declared as preferred bidder. Application for TOR submitted to MoEFCC on 09.04.2026 which is under process.

Name of Fuel	Quantity Required (Million TPA)			Source	Mode of Transportation / Approx. Distance
	Existing (Line - I)	Proposed* (Line -II)	Total (Line - I + Line II)		
Imported Coal	0.31	1.80	2.11	Purchased from South Africa – Through Krishnapatnam port	Rail / 339 kms
Indian Coal	0.42	2.70	3.12	Telangana & other if any	Road/Rail 600 kms
Petcoke (Imported)	0.25	1.40	1.65	Purchase Saudi Arabia- Through Krishnapatnam Port	Rail / 339 kms
Petcoke (Indian)	0.26	1.70	1.96	MRPL, Govt. Agency, others in any	Road / 850 kms
Alternate Fuel & Raw material (AFR)	0.41	0.65	1.06	Nearby industries & Purchase from local area	Road/400-500 kms
Name of Fuel	Quantity Required (Million TPA)			Source	Mode of Transportation / Approx. Distance
	Existing (Line - I)	Proposed* (Line -II)	Total (Line - I + Line II)		
Imported Coal	0.31	1.80	2.11	Purchased from South Africa – Through Krishnapatnam port	Rail / 339 kms
Indian Coal	0.42	2.70	3.12	Telangana & other if any	Road/Rail 600 kms
Petcoke (Imported)	0.25	1.40	1.65	Purchase Saudi Arabia- Through Krishnapatnam Port	Rail / 339 kms
Petcoke (Indian)	0.26	1.70	1.96	MRPL, Govt. Agency, others in any	Road / 850 kms
Alternate Fuel & Raw material (AFR)	0.41	0.65	1.06	Nearby industries & Purchase from local area	Road/400-500 kms

**** Any one type of Fuel or fuel mix in appropriate proportion shall be used depending upon the availability and feasibility***

- 28.9.10 Existing Water requirement is 2015 m³/day (1800 KLD fresh water & 215 KLD treated water), water requirement is obtained from the existing Rainwater Sump at Plant & Mine site and Ground Water. The permission for withdrawal of groundwater is granted by The Commissioner, Panchayat Raj & Rural Development & Administrator, Govt. of A.P. vide letter No. PRR05-11028(31)/1/2021-SLNA-GIS-CORD dated 16.07.2021 and renewal of the same obtained vide letter no. PRR05-

11028(31)/1/2021-SLNA-GIS-CORD dated 02.01.2024. The water requirement for the proposed Line-2 is estimated as 1835 m³/day, out of which 1740 m³/day of fresh water requirement will be obtained from the existing Rainwater Sump at the Plant & Mine site. Total water requirement after proposed expansion will be 3850 KLD out of which 3475 KLD fresh water (1800 KLD ground water existing permission, No change and remaining from Rainwater at Mine & plant) and 375 KLD treated water.

28.9.11 The existing power requirement of 25 MW is obtained from State Grid, WHRS & Solar. The power requirement for the proposed project is estimated as 65 MW, and will be obtained from the State Grid, WHRS & Solar.

28.9.12 Baseline Environmental Studies:

Period	Post Monsoon season (October- December 2023)		
Ambient Air Quality Monitoring at 14 locations	Core zone		Buffer zone
	PM10 - 51.49 to 64.89 µg/m ³		PM10 - 53.18 to 67.33 µg/m ³
	PM2.5 - 29.76 to 38.19 µg/m ³		PM2.5 - 31.11 to 42.20 µg/m ³
	SO2 - 7.23 to 9.19 µg/m ³		SO2 - 7.54 to 12.62 µg/m ³
	NO2 - 25.28 to 32.18 µg/m ³		NO2 - 20.49 to 29.96 µg/m ³
	CO - 0.28 to 0.35 mg/m ³		CO - 0.29 to 0.49 mg/m ³
Incremental GLC level	PM10 = 1.89 µg/m ³ (Distance- 100 m in SW direction within site),		
	PM2.5 = 1.87 µg/m ³ (Distance- 100 m in SW direction within site)		
	SO2 = 3.04 µg/m ³ (Distance- 100 m in SW direction within site)		
	NOx = 4.19 µg/m ³ (Distance- 100 m in SW direction within site)		
	CO = 0.016 mg/m ³ (Distance- 100 m in SW direction within site)		
Ground Water quality at 12 locations	pH - 6.9 to 7.5		
	Total Hardness - 381 to 400 mg/l		
	TDS - 710-822 mg/l		
	Chloride- 149 to 158 mg/l		
	Fluoride- 0.20-1.00 mg/l		
Surface Water quality at 8 locations	pH - 7.0 to 7.3		
	DO -6.40 to 7.20 mg/l		
	BOD- 2.00 to 8.20 mg/l		
	COD- 8 to 32 mg/l		
Noise levels Leq (Day and Night) at 17 locations	Particulars	Core Zone	Buffer Zone
	During Day Time	63.6 dB (A) to 64.3 dB (A)	56.3 dB(A) to 63.1 dB (A)
	During Night Time	57.6 dB (A) to 58.1 dB (A)	43.2 dB(A) to 60.2 dB(A)
Traffic assessment study findings	● Traffic study has been conducted at SH-57 which is adjacent in WSW from the plant site. ● Transportation of raw material, fuel & finished product will be done 60-100 % by road. ● Existing PCU is 655 PCU/hr on SH-57 and existing level of service (LOS) is 0.26		

Period	Post Monsoon season (October- December 2023)				

28.9.13 The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S. No.	Type of the waste	Source	Qty (TPA)			Mode of disposal	Remark/ Mode of Transport
			Line-I	Line-II	Total		
	Solid waste (domestic wastes)						
1.	STP Sludge	STP	120	60	180	Used as manure for plantation	Within plant by internal road
2.	Municipal Solid Waste	Biodegradable - Plant & Colony	30.66 (84 kg/day)	31.39 (86 kg/day)	62.05 (170 kg/day)	Segregated in biodegradable & non-biodegradable waste & disposed off suitably	Road
		Non Biodegradable - Plant & Colony	20.44 (56 kg/day)	21.17 (58 kg/day)	41.61 (114 kg/day)		
Hazardous waste							
3.	Used Oil/ Spent Oil (Cat	Plant maintenance	24	40	64	Co-processed in	Road

S. No.	Type of the waste	Source	Qty (TPA)			Mode of disposal	Remark/ Mode of Transport
			Line-I	Line-II	Total		
	5.1) (KL/annum)					Kiln/Sold to authorized recyclers	
4.	Wastes or residues containing oil (Cat 5.2)	Plant, machineries and maintenance	5	12	17		Road
5.	Contaminated cotton rags (Cat. 33.2)	Plant maintenance	1	1	2	Co-processed in Kiln	Road
6.	Empty barrels /containers/liners contaminated with	Plant maintenance	10	30	40	Sold to authorised recyclers	Road
7.	Used Lead acid Batteries in nos. (A1160)	Plant/Colony/Solar/vehicles	80 (100 nos.)	16 (200 nos.)	24 (300 nos.)	Return to Manufacturers/ dealers on buy back basis or sold to regist. vendors as per prevalent rules	Road
Non- Hazardous waste Management							
8.	Dust from collected from various APCEs	Cement Plant	140000	230000	370000	Dust collected from various APCEs is being/will be totally recycled back into the process.	Within the plant Conveyor Belt
9.	Plastic bag & other packing materials	Plant Colony &	500	1000	1500	Co-processed in plant or sold to Authorized vendor as per PWM rules	Road
10.	E-Waste (Discarded electrical equipment, cables, CFL/LED etc.)	Plant Colony &	1.2	2	3.2	Has been/Will be given to registered vendors as per E-Waste	Road

S. No.	Type of the waste	Source	Qty (TPA)			Mode of disposal	Remark/ Mode of Transport
			Line-I	Line-II	Total		
						Management Rules, 2016	
11.	Bio-medical waste (Yellow & White Category biomedical waste)	Company's dispensary/ OHC	0.05	0.05	0.1	Collected/will be collected by Authorized vendor to CBWMTF	Yellow & White Category
12.	Redundant machinery or equipment scrap	Cement plant & associated facilities	1300	1500	2800	Will be Sold to recyclers	Road
13.	Construction & fabrication waste	Construction of 2 New lines of clinekrisation & cement plant and additional staff & worker quarters	0	200000	200000	Within site for levelling or recyclable will be sold	Road

28.9.14 Public Consultation:

Details of advertisement given	Date of Advertisement in Newspapers and Name of Newspapers: “Sakshi & Eanadu” (Telugu) on 22nd Feb, 2025 “Indian express and Hans India” (English) on 22nd Feb, 2025
Date of public consultation	27 th March 2025 at 9.00 am
Venue	Near Solar Power Plant of M/s. Dalmia Cement (Bharat) Ltd. villages Nawabpeta & Dugganpalli, Mandal: Mylavaram, Dist.: YSR Kadapa, Andhra Pradesh
Presiding Officer	Collector & District Magistrate Kadapa, YSR District.
Major issues raised	Flooding, Employment generation, Air pollution & dust generation causing impact on crop productivity and impact on health of locals

Action Plan as per OM dated 30.09.2020

Post Public Hearing, in compliance of EDS raised in previous proposal submitted for the project stating:

“It is noted from PH proceedings that a court case has been made against the project, which was

disposed by Hon'ble High Court. The directions were to ask litigants to participate in PH process and raise grievance. A detailed write up on the grievances raised by the public during PH vis-a-vis PP's response vis-a-vis its inclusion in proceedings vis-a-vis mode in which it is addressed in consultation with District Authorities and concerned SPCB may be submitted."

District Collector & District Magistrate, Kadapa vide letter Ref. No. Lr. No. K-217/PCB/RO/KDP/2025 dated 22.12.2025, submitted reply and approved Public Hearing Action Plan detailing specific interventions, budgetary allocations, and implementation modalities to the public issues raised during public hearing and thereafter. Further, in the referred letter, it was confirmed that the Petitioners of W.P. No. 7163 of 2025 attended the public hearing and expressed their grievances, Petitioner wise Grievance raised during Public Hearing, its inclusion in PH MoM and Mode in which PP addressed the issue in consultation with District Authorities and concerned SPCB were detailed in the referred letter.

Total budget of Rs. 28.44 crore was allocated to address the issues raised during Public hearing for both Plant & mine (Rs 26.44 crore under the Cement Plant budget and remaining Rs 2 crore under the Mine budget). The Action plan has been further revised from Rs. 28.44 Crores to Rs. 42 Crores.

Detailed activity wise action plan to address the issues raised during Public Hearing for both Plant & mine with a cumulative budget of ₹ 42 Crores.

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year-1	Year-2	Year-3	Year-4
i	Livelihood & Skill Development							
1	Construction of a Multipurpose skill training hall and creation of Gausahala on Community land in Nawabpet village benefitting a minimum of 800 villagers year on year	₹ 160.00	₹ 20.00	₹ 140.00	₹ 0.00	₹ 40.00	₹ 40.00	₹ 60.00
2	Employment-based short-term skill training like General Duty Assistant, Customer Service Management Non-Voice, Motor Mechanic, Mobile Repairing, Electric Motor Binding etc will be organised for the Youth in Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam & Madhavapuram and other locations vicinity villages. Around 350 Rural youth will be skilled for gainful employment.etc will be organised for the Youth in Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam & Madhavapuram and other location vicinity villages. Around 350 Rural youth will be skilled for gainful employment.	₹ 105.00	₹ 20.00	₹ 85.00	₹ 20.00	₹ 20.00	₹ 25.00	₹ 40.00
3	Sewing training/value addition based self-employment oriented training for women in the Villages of Dugganapalli, Nawabpet, Chinnakomerla, Talamanchipatnam and other local	₹ 35.00	₹ 5.00	₹ 30.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 5.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
	vicinity villages. Around 180 women from the above 4 villages will get the benefit.							
4	For strengthening of the women self help groups in Nawabpet, Duganpalli, Chinnakomerala, & Talmanchipattinam revolving fund support, 4 WSHG federation will be exclusively formed one per village for supporting the women under revolving fund support. This is expected to benefit around 300 women members every year.	₹ 120.00	₹ 20.00	₹ 100.00	₹ 30.00	₹ 30.00	₹ 30.00	₹ 30.00
5	Strengthening of Village development committees (VDCs) in Nawabpet, Duganpalli, Chinnakomerala, Talmanchipattinam and Madhavapuram to provide them with financial support for taking need revolving fund support for the youth, and farmers.	₹ 40.00	₹ 12	₹ 28	₹ 10	₹ 10	₹ 10	₹ 10.00
	Sub Total : i	₹ 460.00	₹ 77.00	₹ 383.00	₹ 70.00	₹ 110.00	₹ 115.00	₹ 145.00
ii	Water Harvesting & Conservation and for agriculture improvement							
6	Rejuvenation of ponds/ reservoirs, construction of check dams and maintenance of existing CD, drainage line treatment, bore well etc. These activities will be taken-up in close consultation with the user groups. This is expected to benefit a minimum of 3,000 farmers spread across Nawabpet, Duganpalli, Chinnakomerala, Talmanchipattinam & Madhavapuram. And this will also benefit in recharging of the ground water table.	₹ 140.00	₹ 20.00	₹ 120.00	₹ 30.00	₹ 30.00	₹ 40.00	₹ 40.00
7	Upgradation of Community based RO units in Nawabpeta, Dugganapalli, Chinnakomerla and Talmanchipatnam & Madhavapuram benefitting more than 7,000 villagers. Water user group of each village will play an active role in maintenance of the units.	₹ 48.00	₹ 12.00	₹ 36.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 12.00
8	Support around 1,500 farmers from Nawabpet, Duganpalli, Chinnakomerala, Talmanchipattinam & Madhavapuram under lift irrigation . This initiative will help them to lift from the near by drains	₹ 60.00	₹ 0.00	₹ 60.00	₹ 20.00	₹ 10.00	₹ 10.00	₹ 20.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year-1	Year-2	Year-3	Year-4
	and irrigate their lands for gainful employment.							
9	Improving of Soil Fertility with Tank silt application to agriculture fields in Talamanchipatnam, Chinnakomerla, Madhavapuram and Nawabpeta villages. This initiative is expected to benefit around 1,500 villagers.	₹ 40.00	₹ 10.00	₹ 30.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
10	Organise a minimum of 20 exposure visits for the farmers on improved cultivation, irrigation practises, this is expected to benefit around 900 farmers from Nawabpet, Duganapalli, Chinnakomerla, & Talmachipattinam.	₹ 14.00	₹ 10.00	₹ 4.00	₹ 3.00	₹ 3.00	₹ 3.00	₹ 5.00
11	Various programmes to increase the productivity of the nearby agricultural fields such as Scientific agriculture practices, Drip irrigation, Yellow Sticky Traps, Solar Light traps, Organic Inputs for cultivation, Sustainable agriculture and soil tests, weather-based advisory services, training to farmers, Farm Mechanisation (CHC), New technology initiatives etc. This intervention has the potential to benefit nearly 6,000 farmers spread across Nawabpet, Duganapalli, Chinnakomerla, & Talmachipatnam villages	₹ 85.00	₹ 40.00	₹ 45.00	₹ 20.00	₹ 20.00	₹ 20.00	₹ 25.00
12	Support in implementation of PM Surya Ghar Yojna in Nawabpeta, Talamanchipatnam & Madhavapuram, Dugganpalli, Chinnakomerla	₹ 100.00	₹ 0.00	₹ 100.00	₹ 25.00	₹ 25.00	₹ 25.00	₹ 25.00
13	Installation of CAAQMS in villages Dugganapalli (Mulamma Temple), Chinnakomerla and Nawabpeta	₹ 150.00	₹ 0.00	₹ 150.00	₹ 50.00	₹ 50.00	₹ 50.00	₹ 0.00
	Sub Total : ii	₹ 637.00	₹ 92.00	₹ 545.00	₹ 170.00	₹ 160.00	₹ 170.00	₹ 137.00
iii	Social Infrastructure							
A	Community Infrastructure Development							
14	Construction of CC roads -3000 meters (140 Lakhs per KM for Grubbing, Gravel filling, Concrete work.) in Talamanchipatnam & Madhavapuram, Chinnakomerla and Nawabpeta and	₹ 485.00	₹ 0.00	₹ 485.00	₹ 80.00	₹ 80.00	₹ 100.00	₹ 225.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year-1	Year-2	Year-3	Year-4
	Dugganapalli villages benefitting around 8,000 villagers.							
15	Gravel Roads for Field Connectivity to increase access to farm fields in Talamanchipatnam & Madhavapuram, chinnakomerla and Nawabpeta and Dugganapalli villages benefitting around 4,000 villagers.	₹ 200.00	₹ 0.00	₹ 200.00	₹ 25.00	₹ 25.00	₹ 50.00	₹ 100.00
16	Repair and maintenance of field roads/new causeway/culvert in Nawabpeta, Talamanchipatnam & Madhavapuram and chinnakomerla covering around 3 kms.	₹ 50.00	₹ 0.00	₹ 50.00	₹ 10.00	₹ 15.00	₹ 10.00	₹ 15.00
17	Incentivizing of Plantation in Villages, Community Land etc. under " Ek Ped Maa Ke Naam "	₹ 6.00	₹ 0.00	₹ 6.00	₹ 1.00	₹ 1.00	₹ 2.00	₹ 2.00
18	Hospital Construction with 10 bedded facility 24/7 in one the project affected villages benefitting around 3,000 villagers every year.	₹ 450.00	₹ 0.00	₹ 450.00	₹ 0.00	₹ 200.00	₹ 100.00	₹ 150.00
19	Provide E-riksha for Solid waste management in Nawabpeta, Chinnakomerla and Talamanchipatnam & Madhavapuram	₹ 24.00	₹ 0.00	₹ 24.00	₹ 0.00	₹ 8.00	₹ 8.00	₹ 8.00
20	Veterinary Dispensary @ Nawabpet and hand it over to the Animal Husbandry department and Animal Health Camps for Dairy Animals and Small Ruminants in Nawabpet, Talamanchipatnam & Madhavapuram, Chinnakomerla and Dugganapalli villages.	₹ 60.00	₹ 30.00	₹ 30.00	₹ 10.00	₹ 20.00	₹ 10.00	₹ 20.00
21	Solar Street lights in village and common place for increasing night visibility in Nawabpet, Duganapalli, Chinnakomerla, & Talmanchipattinam benefitting around 3,000 villagers and Electric Light Fittings along with Nawabpeta-Chinnakomerla Road	₹ 28.00	₹ 7.00	₹ 21.00	₹ 7.00	₹ 7.00	₹ 7.00	₹ 7.00
22	Construction of an overhead water tank for household water supply (Chinnakomerla & Nawabpeta) benefitting around 2,000 villagers.	₹ 120.00	₹ 0.00	₹ 120.00	₹ 0.00	₹ 60.00	₹ 60.00	₹ 0.00
23	Widening, deepening, bottom levelling, and bund formation of Alugu Vagu to prevent rainwater overflow into nearby agricultural fields Nawabpet, Duganapalli, Chinnakomerla, &	₹ 550.00	₹ 0.00	₹ 550.00	₹ 0.00	₹ 350.00	₹ 200.00	₹ 0.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
	Talamanchipattinam benefitting nearly 7,000 villages.							
24	Construction of four Bus Shelters one each at Talamanchipattinam, Madhavapuram, Dugganapalle, Chinnakomerla junction/Nawabpeta	₹ 20.00	₹ 10.00	₹ 10.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
25	Construction of Playground in Chinnakomerla & Dugganapalli Village with basic infrastructure benefitting around 3,000 villagers including the youths, & school children.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 0.00	₹ 20.00	₹ 0.00	₹ 20.00
26	In depth Study of drainage of Village Dugganapalle by reputed Institute and implementation of suggestion in consultation with Panchayat and District Authorities	₹ 150.00	₹ 100	₹ 50	₹ 30	₹ 30	₹ 40	₹ 50
27	Distribution of Home Composters in 300 houses of villages Dugganapalle, Chinnakomerla junction & Nawabpeta	₹ 15.00	₹ 0	₹ 15	₹ 5	₹ 5	₹ 5	₹ 0
28	Water supply pipeline/ New bore-well for Dhobi Ghat in Nawabpeta benefitting around 100 villagers.	₹ 4.00	₹ 4.00	₹ 0.00	₹ 0.00	₹ 4.00	₹ 0.00	₹ 0.00
	Sub-total A	₹ 2,202.00	₹ 151.00	₹ 2,051.00	₹ 173.00	₹ 830.00	₹ 597.00	₹ 602.00
B	Health & Sanitation							
29	Face lifting of the health sub-centres catering to the Villagers in Nawabpet, Dugganapalli, Talamanchipattinam, and Chinnakomerla. Activities will include provision of health care equipments.	₹ 40.00	₹ 10.00	₹ 30.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
30	Organizing vaccination programs and other free medical camps (12 camps per village/per year) in Nawabpeta, Dugganapalli, Chinnakomerla and Talamanchipattinam & Madhavapuram. This benefit around 7,000 villages year-on-year.	₹ 48.00	₹ 0.00	₹ 48.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 12.00
31	Organise 80 awareness camps on Menstrual hygiene, reproductive health and Nutrition, 20 awareness programme for Nawabpeta, Dugganapalli, Chinnakomerla and Talamanchipattinam & Madhavapuram villages. This benefit around 3,000 villages year-on-year.	₹ 8.00	₹ 0.00	₹ 8.00	₹ 2.00	₹ 2.00	₹ 2.00	₹ 2.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
32	Open-Jim in village Chinnakomerla, Talamanchipatnam & Nawabpeta	₹ 15.00	₹ 0.00	₹ 15.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 0.00
	Sub-total B	₹ 111.00	₹ 10.00	₹ 101.00	₹ 29.00	₹ 29.00	₹ 29.00	₹ 24.00
C	Education							
33	Development of School infrastructure at Chinnakomerla, Talamanchipatnam, Madhavapuram, Nawabpeta and Dugganapalli villages. Development of class rooms, Smartboards, Internet facilities, Girls toilets in Schools, drinking water, improving sanitation facilities, sports equipment, other facilities, and laboratory equipment etc. in Z.P High School & MPP Schools (2 Nos) in Chinnakomerla, MPP school in Nawabpeta, MPP schools (2 Nos) in Talamanchipatnam & Madhavapuram. Overall this intervention will benefit a minimum of around 2,000 school children.	₹ 100.00	₹ 10.00	₹ 90.00	₹ 20.00	₹ 20.00	₹ 20.00	₹ 40.00
34	Computer lab and Science Lab at Z.P. High School in Chinnakomerla & other nearby village benefitting around 250 children.	₹ 60.00	₹ 5.00	₹ 55.00	₹ 12.00	₹ 12.00	₹ 12.00	₹ 24.00
35	Increasing the height of the compound wall / Construction of a new wall/ other need based infrastructure at MPP school in Chinnakomerla and MPP school in Nawabpeta benefitting around 1,300 students.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
36	Construction of New Aganwadi Centre in Chinnakomerla, Nawabpeta and Talamanchipatnam & Madhavapuram villages benefitting around 120 toddlers.	₹ 90.00	₹ 30.00	₹ 60.00	₹ 30.00	₹ 30.00	₹ 30.00	₹ 0.00
37	Bala Painting and Playing kits to 5 Anganwadi centres in Chinnakomerla (2 Nos) , Nawabpeta, Talamanchipatnam & Madhavapuram and Dugganapalli villages benefitting around 200 toddlers.	₹ 12.00	₹ 0.00	₹ 12.00	₹ 4.00	₹ 4.00	₹ 2.00	₹ 2.00
38	Need-based requirements of the community during project implementation covering Nawabpet, Duganapalli, Chinnakomerla, Talmanchipattinam & Madhavapuram. Amount earmarked for undertaking developmental activities on the request of	₹ 400.00	₹ 20.00	₹ 380.00	₹ 50.00	₹ 75.00	₹ 75.00	₹ 200.00

S. No.	Activities	Total Budget	For Mine	For Plant	Year wise Budget (Rs. In Lakh)			
		(Rs. In Lakh)			Year -1	Year-2	Year-3	Year-4
	local administration during project execution							
39	Provision of transport facility for students to Dalmia Vidya Mandir /chinnakomerla High school. Students form Dugganapalli, Nawabpet, Chinnakomerla and Talamanchipatnam benefitting around 200 children.	₹ 40.00	₹ 0.00	₹ 40.00	₹ 10.00	₹ 10.00	₹ 10.00	₹ 10.00
40	Scholarships will be provided to economically disadvantaged and meritorious students from Nawabpet, Duganapalli, Chinnakomerla, & Talmanchipattinam benefitting around 150 children.	₹ 20.00	₹ 0.00	₹ 20.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
41	Sports kits to students of schools in Nawabpet, Chinnakomerla, & Talmanchipattinam benefitting 100 stidents	₹ 8.00	₹ 0.00	₹ 8.00	₹ 2.00	₹ 2.00	₹ 2.00	₹ 2.00
42	Celebration of important days such as Women's Day, Environment Day, Children's Day, Independence Day, etc Nawabpet, Duganapalli, Chinnakomerla, & Talmanchipattinam.	₹ 20.00	₹ 3.00	₹ 17.00	₹ 5.00	₹ 5.00	₹ 5.00	₹ 5.00
	Sub-total C	₹ 790.00	₹ 68.00	₹ 722.00	₹ 148.00	₹ 173.00	₹ 171.00	₹ 298.00
	Grand Total (i + ii + iii)	₹ 4,200.00	₹ 398.00	₹ 3,802.00	₹ 590.00	₹ 1,302.00	₹ 1,082.00	₹ 1,206.00

NOTE: The nature of activities and villages may vary during the execution phase in consultation with local authorities/district administration/local demand & necessity, within the overall proposed budget.

28.9.15 The capital cost of the proposed project is Rs 2500 Crores and the capital cost for environmental protection measures is proposed as Rs 251.79 Crores including. The annual recurring cost towards the environmental protection measures is proposed as Rs 13.47 Crores. The employment generation from the proposed expansion is 960 persons (170 permanent & 790 contractual. The details of cost for environmental protection measures is as follows:

S.no.	Particulars	Cost (Rs. In Crores)	
		Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/annum)
A	Environment Management		
	Air Pollution Control		
	Process Bag Houses (ESP, RMBH, KMBH, 2xCMBH)	7500	750

S.no.	Particulars	Cost (Rs. In Crores)	
		Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/annum)
1	Nuisance Dust Collectors	1600	160
	Sweeping Vacuum machines	40	2
	Construction of internal CC roads inside the plant premises	1400	20
	Covered Sheds for Raw Material Storage and Fuel Storage	4375	95
	Greenbelt Development & Plantation	25	5
2	Water Pollution Control measures		
	STP of 375 KLD Capacity (Existing)	0	10
	Drip irrigation System & Water Sprinkling	10	4
	Garland drains and Settling tanks	75	20
3	Noise Pollution Control	85	50
4	Hazardous Waste Storage & Handling, AFR	7000	136
5	Environmental Monitoring		
	4 CAAQM Stations (2 already installed & 2 proposed)	160	30
	2 CEMS & 8 Opacity meter (1 CEMS & 4 Opacity metre already installed in existing plant & 1 CEMS & 4 Opacity metre proposed)	100	20
	Third Party Monitoring	0	25
	APCS adequacy study	0	20
	Sub Total	22370	1347
B	Budget for addressing issues raised in public hearing	2644	
C	Fund as per approved Wildlife Conservation Plan (Deposited to State Govt.)	165	
Grand Total (A+B+C) in Lakhs.		25179	1347
Grand Total (A+B+C) in Cr.		251.79	13.47

28.9.16 Existing green belt has been developed in 40 ha area which is 33% of the existing plant area i.e. 120 ha as per granted EC with total sapling of 100000 trees. Local and native species has been planted with a density of 2500 trees per hectare. Area required under greenbelt/plantation as per EC – 40 Ha (i.e. 25% of total plot area after expansion.) As per the Office Memorandum dated 29.10.2025, Section 6-B, as this is a Red Category project, a minimum of 25% of the total project area shall be maintained as Greenbelt/Plantation. The Greenbelt will inter alia, cover the peripheral area of plant premises. A minimum of 25% of the total project area shall be maintained as greenbelt/plantation, considering the project falls under the Red Category. Few trees will be cleared during installation of Line-II. Permission has been obtained from Forest Department, Govt. of Andhra Pradesh vide Rc. No. 2149/2025/A8 dated 26.12.2025.

28.9.17 It is reported that post grant of TOR, following cases have emerged –

Sn	Court Name	Bench	Case Category	Status	Description of Court	Next Hearing Date
1.	High Court	Principal Bench at Andhra Pradesh	WP (Civil)	Disposed off	A WP was filed by one Mr. Vennapusa Siva Sankar Reddy and 4 others to suspend the PH which was slated on 27-3-2025. The HC vide order dated 25-3-2025 disposed of the WP with the following directions: I. It is for the petitioners to participate in the public consultation process pursuant to the public hearing notice, dated 21.02.2025, raising their grievance and also filing written responses, accompanied by the reports, or / and the Order of the Lokayukta, on the subject, conducting public hearing, with the Competent Authority / State Pollution Control Board (SPCB) or the Union Territory Pollution Control Committee (UTPCC), as the case may be. II. If such objections are raised and responses filed in writing, the Competent Authority, conducting the public hearing, shall receive the same, and along with the petitioners' representation dated 02.03.2025, shall forward the same to the Regulatory Authority, with the proceedings of the public consultation; III. Such Regulatory Authority as under the Notification dated 14.09.2006, shall also take that aspect into consideration as raised by the petitioners, and pass speaking Orders, while taking action on the recommendations of the Expert Appraisal Committee (EAC) / State Level Expert Appraisal Committee (SEAC), as per Para-8 of the Notification, dated 14.09.2006 including its Clause IV. The decision so taken shall also be timely communicated to the petitioners Order attached as an Annexure-A	

Sn	Court Name	Bench	Case Category	Status	Description of Court	Next Hearing Date
2.	High Court	Principal Bench at Andhra Pradesh	WP (Civil)	Disposed off	A Writ Petition was filed by one Mr. Vennapusa Siva Sankar Reddy and 6 others on a limited point of seeking directions to the authorities to complete the enquiry by the High Level Redressal Committee constituted under G. O. No. 90 dt. 17-12-2024 while affording Petitioners a chance of personal hearing furnishing a copy of the report to the Petitioners. The Writ Petition had nothing to do with the EC process as the same was already decided by the Division Bench of the High Court of Andhra Pradesh in W. P. No. 7163 of 2025. The HC vide order dated 18-12-2025 disposed of the WP with the following directions: 1. The District Collector, The Revenue Divisional Officer, The Superintending Engineer - Irrigation Department, The Deputy Director - Mines and Geology, The Deputy Director - Agriculture Department, The Deputy Director – Mines Safety and AP State Pollution Control Board to complete the enquiry in terms of the G. O. No. 90 dated 17.12.2024 within a period of three months from the date of receipt of the copy of this order after giving due opportunity of hearing to M/s Dalmia Cement Bharat Limited 2. That the order dated 18.12.2025 will not come in the way of the officers in giving effect to the directions of the Division Bench of this Court in W. P. No. 7163 of 2025. Order attached as an Annexure-B	
	Appellate Tribunal under PMLA	Appellate Tribunal Under SAFEMA at New Delhi	Appeal	Disposed off	Case No.: FPA-PMLA-1973/HYD/2025 • Vide order dated 22.09.2025 the Adjudicating Authority under PMLA confirmed the Provisional Attachment Order dated 31.03.2025 vide which certain land parcels of Dalmia Cement (Bharat) Limited	

Sn	Court Name	Bench	Case Category	Status	Description of Court	Next Hearing Date
					("DCBL") was attached by the Enforcement Directorate, Hyderabad ("ED"). • DCBL challenged the order dated 22.09.2025 before the Appellate Tribunal under SAFEMA at New Delhi ("AT") • The AT vide its Final Order dated 09.03.2026 reduced the Proceeds of Crime to Rs. 92.52 Cr and on the issue of release and substitution of attached land directed DCBL to approach ED. • DCBL vide letter dated 26.03.2026 approached ED requesting release of the properties. • DCBL vide letter dated 17.04.2026 DCBL submitted a Bank Guarantee for Rs. 92.52 Cr. to ED which has been accepted by ED and vide order F. No. ECIR/09/HZO/2011 dated 21.04.2026 (copy of order attached), the ED has released all the properties from attachment. Order attached as an Annexure-C"	

PMLA Proceedings/ED Case

- Dalmia Cement (Bharat) Limited (DCBL), has received a Provisional Attachment Order dated 31.03.2025 ("PAO") passed under section 5(1) of Prevention of the Money Laundering Act, 2002 (PMLA) from the Enforcement Directorate (ED), Hyderabad on 15 April 2025 (order dated 31 March 2025) in connection with CBI case involving former Andhra Pradesh Chief Minister and YSR Congress party chief YS Jagan Mohan Reddy.
- In pursuance of the PAO, the ED filed an Original Complaint ("OC) under Section 5 (5) of PMLA, 2002 to the Adjudicating Authority, PMLA, New Delhi ("AA"). However, the AA completely ignored the facts/material available on record i.e. the ED rejoinder and reply to the substitution application and vide order dated 22.09.2025 confirmed the PAO.
- Aggrieved by the order dated 22.09.2025 passed by AA, the Company filed an appeal before the Appellate Tribunal under PMLA under Section 26 of the Prevention of Money Laundering Act, 2002.
- The Appellate Tribunal vide its Final Order dated 09.03.2026 has reduced the Proceeds of Crime ("PoC") to Rs. 92.52 Cr only as against Rs. 793.34 as quantified in the PAO.
- In terms of the Order, the Company on 26.03.2026 filed applications representations before the ED for:- a. Substitution of the Attached Properties Worth Rs. 92.52. Cr. b. Release of the Land worth Rs. 284 Cr. as per the order of AT dated 09.03.2026
- On 17.04.2026 DCBL furnished a Bank guarantee of Rs. 92.52 Cr. in favour of the Joint Director, Directorate of Enforcement, Hyderabad.
- Vide letter dated 21.04.2026 ED has accepted the Bank Guarantee and has released the properties.

- As on date there is no attachment of any land parcel of DCBL by the ED.

Certified compliance report from Regional Office.

28.9.18 The Status of compliance of earlier EC was obtained from Regional Office, MoEF&CC, Vijayawada, Andhra Pradesh vide. File No. SO/VIJ /EPA/EC-A/101 /13-12/2024/11 dated 27.01.2026 in the name of M/s. Dalmia Cement (Bharat) Ltd. All the conditions of EC are complied/being complied and there are no non complied conditions.

28.9.19 Earlier Proposal:

M/s. Dalmia Cement (Bharat) Ltd. made an online application vide proposal no. IA/AP/IND1/542780/2025 dated 02/07/2025. The proposal was initially considered in 19th meeting of Re-constituted EAC (Industry-1) held on 09.01.2026. Proposal was returned in present form for want of additional information.

The observations and recommendation is given as below:

Deliberations by the Committee

“19.2.6 The Committee noted the following:

- The Committee took note of the information submitted by the PP regarding the ongoing litigations, including the proceedings before the Hon'ble High Court of Andhra Pradesh and the pending appeal before the Appellate Authority under the Prevention of Money Laundering Act (PMLA).*
- The Committee noted that the writ petitions before the Hon'ble High Court relating to the public hearing process have been disposed of with directions to follow the procedure prescribed under the EIA Notification, 2006*
- The matter relating to provisional attachment of certain project land parcels under the PMLA is pending before the Appellate Authority. The Committee observed that, although the PP has stated that the attachment is provisional in nature and does not legally restrict the use of land, clarity is required with respect to the status of the project land proposed for the present expansion. In view of the pending proceedings before the Appellate Authority concerning provisional attachment of land, the Committee opined that clarity on the same is essential prior to further appraisal.*
- Accordingly, the Committee concluded that it is not competent to comment on the PMLA case in this project. The EAC told PP that they should submit all legal documents related to the case to Ministry, and based on legal and other documents so submitted, the Ministry may decide whether the project can be appraised or not by EAC- Industry-1.*

Recommendations of the Committee

19.2.7 *In view of the foregoing and after detailed deliberations, the **Committee decided to return the proposal in present form.** PP may submit a fresh proposal after resolution of above-mentioned issue.”*

The proponent submitted the ADS reply along with fresh proposal vide Proposal No. IA/AP/IND1/576361/2026. MOEFCC File No. J-11011/76/2007-IA-II(IND-I) dated 22/04/2026 uploaded on PARIVESH.

Point-wise reply of ADS is given as below:

In compliance with the above directions, PP would like to submit that the matter relating to **provisionally attached properties** of M/s Dalmia Cements (Bharat) Limited (DCBL) vide Provisional Attachment Order (PAO) No. 27/HYZO/2025 dated 31.03.2025 issued in ECIR/09/HZO/2011 **has been lifted**. Accordingly, any lien or hold placed on the said properties of DCBL in pursuance of PAO No. 27/HYZO/2025 dated 31.03.2025 also stand lifted. The order

for **release of the provisionally attached properties** of the company, has been passed by Office of the Joint Director, Enforcement Directorate, Hyderabad, Govt. of India vide order F. No. ECIR/09/HZO/2011 dated 21.04.2026. Now as the attachment of land of the project has been lifted per the directions of the EAC, a fresh proposal has been submitted for the subject project.

28.9.20 **Compliance statement in line with G.S.R. 62(E) & 63(E) dated 23rd Jan. 2026**

Name	Distance	Direction	Mitigation measures
Habitation			
Chinnakomerla	0.02 km	SE	It is proposed to keep Greenbelt of 50 m width along plant boundary towards Chinnakomerla.
Dugganpalli	0.11 km	W	It is about 0.51 km from the manufacturing section (Storage area) of the plant. Residential colony of plant is in between the village and the manufacturing section of plant. Also greenbelt/plantation between plant boundary and plant colony is avg. 50 m width. Also, along the colony boundary towards village, plantation of avg. width of 10 m has been developed. Further, it is proposed to increase the density of these plantations and create wind barrier at the plant boundary towards the settlements of village Dugganpalli.
Nawabpeta	0.54 km	N	This village is about 0.54 km, N from the project boundary. However, it is about 1 km from the plant operation area (railway siding area) and a thick plantation of avg. width about 15 m has been kept between plant & railway siding area. Further between railway siding and habitation 15 m thick plantation is kept. Additionally, it is proposed to increase the density of these plantations towards the settlements of village Nawabpeta.
Peda Komarla	0.95 km	ESE	This village is about 0.95 m, ESE from the plant boundary. However, it is about 1.1 km from the plant operation area (Parking area). A thick plantation of avg. width 25 m between plant operating area and parking area is proposed. Further, along the parking outer boundary towards the village additional greenbelt of 4.5 m will be developed by increasing the tree density upto 2500 trees/ha
			Other General measures: - Company has proposed to install high efficiency bag house with PTFE bags with all the stack for control of emissions from stack and Real time data will be transmitted to CPCB and SPCB server. - Stack emission from all the stacks will be maintained within 30 mg/Nm3. - Installation of Bag filters at various material handling and transfer points, etc. - To reduce fugitive dust emissions cement, storage of
Schools			
Primary School, Jammalamadugu, Dugganapalli, Andhra Pradesh	0.9 km	W	
Z.P High School & MPP Schools	0.03 km	SE	

Name	Distance	Direction	Mitigation measures
in Chinnakomerla			clinker & fly Ash in silos & Limestone, coal and gypsum in covered shed.
MPP School , Nawabpeta, Andhra Pradesh	0.71 Km	NNE	• All the loading hoppers equipped with the bag filters. • Fog canon system to suppress dust emission during wagon loading. • Permanent Water Sprinklers at all the internal roads to control fugitive emission • Dedicated water tanker for water spraying on roads to settle down the fugitive emissions generated by transportation activity. • Vacuum sweeping machines for better housekeeping. • Internal roads of plant premises are/will be concreted and maintained in good condition. • Dust collected from air pollution control equipment to be recycled in the process. • Fly ash transportation through closed bulkers & fed into silo through pneumatic system. • The packing machine equipped with dust extraction arrangement. • Rainwater harvesting inside premises to prevent groundwater depletion & maximum reuse. • STP to treat effluent and sewage water and ZLD to prevent water and soil contamination. • Orientation of high mast lights away from sensitive receptors. • The industry has been/will undertake CER activities to support the development of schools, including plantation drives and the provision of safe drinking water.
Hospitals			
Dalmia Dispensary	Within the Plant colony	--	
Place of Worship			
Dalmia Temple	Within the plant colony	--	• The company will carry out plantation activities in the vicinity of the temple and ensure proper maintenance to protect the temple environment.
Sri Ramalayamu Temple, Chinnakomarla Andhra Pradesh	0.47 Km	SSW	• To mitigate both Dust and Noise generated due to the plant activities, company will develop 15-meter 3 tier Greenbelt along the plant boundary towards the temple. • High noise activities will be restricted specially during prayer hours.
Sri Lakshmi Chinnakesva Swami Temple, Chinnakomarla, Andhra Pradesh	0.51 Km	SSW	
Peddamma Thalli Temple, Nawabpeta, Andhra Pradesh	0.67 km	N	

Name	Distance	Direction	Mitigation measures
Sanjeevaraya Swami Temple, Nawabpeta, Andhra Pradesh	0.86 Km	N	
Ramalayam Temple , Nawabpeta, Mylavaram, Andhra Pradesh	1.16 Km	NE	
Water bodies			
Nala/Vagu near Project area	0.02 km	NE	- No water body will be blocked due to any activities at the project site and free flow of water will be maintained. - As per the issues raised during Public Hearing and the report submitted by the Technical Committee of Irrigation Dept., DCBL will widen the Alugu Vagu from the entry point to 500 meters beyond the village to double its capacity based on the design for canal widening prepared by Irrigation Dept. Dalmia will collaborate with the Irrigation Department and local authorities for the same. - NOC from WRD has also been obtained with recommendation “to increase the carrying capacity of Alugu Vagu by widening, desilting, bank strengthening, and improving the cross-sectional profile” vide letter no. TW/ATO/785 dated 15.11.2025. - There is no natural drain within the plant area, only Alagu Vagu is passing along Northern plant boundary. - There is no proposal to construct any part of manufacturing section of the plant nearby the Nalla and all along the Nalla, area has been kept for greenbelt/plantation. It is proposed to increase the density of these plantations - The natural flow pattern of the Nalla will not be disturbed at any stage of operation of plant. - The plant will be based on dry process technology; ZLD is & will be maintained. Hence no wastewater will be discharged out of plant boundary. - The rainfall runoff within the plant site will be diverted through the drains to the recharge pit and rainwater harvesting pond. - Storm water drains will be made immediately after starting construction activity. The drains will be properly aligned in conformity with the site drainage pattern. - All Stacking/ storage areas are/will be covered and
Tigaleru River	1.85 km	East	
Nossam Branch Canal	1.5 km	SE	

Name	Distance	Direction	Mitigation measures
			provided with proper garland drains to prevent the wash off. All the pollution control measures as detailed above & have been/will be adopted to control any significant impact on the Nalla
Forest			
None within 2 km			Measures as described above under “Other Common Measures” will be implemented
National park/ Wildlife Sanctuary/ Tiger Reserve			
None within 2 km			Measures as described above under “Other Common Measures” will be implemented

28.9.21 Compliance status of office memorandums issued by MoEF&CC is as follows:

S. No.	MoEFCC Circular/OM			Applicability/Compliance Status
	Date	Circular Number	Short Description	
1.	08/06/2022	IA3-22/10/2022-IA.III [E 177258]	Standardizing the validity of baseline data and public consultation reports for submission of proposal within the validity period of Terms of Reference (ToR) under the provisions of EIA Notification, 2006-reg.	Complied. Baseline data was collected during Post Monsoon Season i.e. October 2023 – December 2023, which is valid up to Dec. 2026. Public Hearing was conducted on 27 th March 2025 which is valid till 26 th March 2028
2.	07/10/2014 & 20/02/2025	22-76/2014-IA.III	Status of land acquisition w.r.t. project site while considering the case EC under EIA Notification, 2006.	Erstwhile, Eswar Cement Pvt. Ltd. was in possession of 460.491/2 acres (about 186 ha) of land in villages Chinnakomerla (370.741/2 acres) and Dugganpalli (89.75 acres). Out of this total landholding, 120 ha was utilized for establishing the existing cement plant and colony, while the remaining land was retained for potential future requirements. For the present proposal, Dalmia Cement (Bharat) Limited (DCBL) proposes to expand the existing cement plant by utilizing an additional contiguous area of

S. No.	MoEFCC Circular/OM			Applicability/Compliance Status
	Date	Circular Number	Short Description	
				30 ha. Accordingly, the total land area considered for the current project is 150 ha, comprising 120 ha of existing plant area and 30 ha of proposed expansion area. The balance land from the originally held NA area, falling outside the proposed plant boundary, has been utilized for installation of a Solar Power Plant and is reserved for other permissible ancillary facilities and future expansion requirements. Hence, no additional land acquisition is involved for the proposed expansion, and the project is confined within the land already in possession of the Project Proponent. M/s Eswar Cements Private Limited (ECPL) was amalgamated with M/s Dalmia Cement (Bharat) Limited (DCBL) vide the High Court, Madras, order dated 5th Dec 2008.
3.	14/02/2022	22-39/2020-IA.III	Guidelines for siting industries which are in close proximity with the River - reg.	Not Applicable. Nearest river is Tigaleru River which is around ~1.85 km, East from plant boundary.
4.	09/09/2011 & its subsequent amendments	J-11013/41/2006-IA.II(I)	Consideration of Projects for grant of environmental clearance under EIA Notification 2006 which involve forestland - further clarification-regarding	Not Applicable. Entire project area is Non-forest land.
5.	24/12/2010	J-11013/41/2006-IA.II(I)	Consideration of Integrated and Inter-linked projects-Procedure	Not Applicable. There is no Interlinked/ Integrated project.
6.	17/05/2022	FC-11/119/2020-FC	Clarification on Requirement of Various Environmental and Forest	Not Applicable. There is <u>no</u> National Park, ESZ, ESA, Wildlife Sanctuary, Elephant corridor, Tiger Reserve, Biosphere Reserve <u>within 10 Km radius</u> of the project.

S. No.	MoEFCC Circular/OM			Applicability/Compliance Status
	Date	Circular Number	Short Description	
			Clearances for Project/Activity in Eco-Sensitive Zone and Other Such Areas outside Protected Area - regarding.	
7.	31/10/2019, 30/12/2019 & 05/07/2022.	22-23/2018-IA.III (Pt)	Compliance of Hon'ble NGT order dated 19.08.2019 (published on 23.08.2019) in O.A. No. 1038 2018 - reg. - Critically Polluted Area/Severely Polluted a. whether project located in CPA/SPA b. Distance of project from CPA/SPA c. whether Additional environmental safeguards have been proposed	Not Applicable. The project site is not located in CPA/SPA/OPA etc.
8.	08/06/2022	IA3-22/10/2022-IA.III [E 177258]	Requirement and validity of Certified Compliance Report (CCR) issued by the IROs of MoEF&CC/MS of SPCBs/ ROs of CPCB-reg.	Certified Compliance Report (CCR) issued by MoEF&CC Regional Office, Vijayawada, A.P. Site visit of Additional Director, MoEFCC, Vijayawada for the same was done on 06.01.2026 and Proposal for EC was submitted to MoEFCC on 22.04.2026. All the conditions of EC have been complied/being complied.
9.	30/09/2020 & 25/02/2021	22-65/2017-IA.III	Deliberation on the commitments made by project proponent and requirements to address the concerned raised during the public consultation reg.	Issues raised in Public Hearing has been addressed properly with appropriate budge. DC, Kadapa has considered the submitted action plan prepared in line with issues raised in PH and approved the action plan and budget with timeline.
10.	30/09/2011	J-11013/77/2004-IA-II(I)	Accreditation of EIA Consultant by Quality Council of India (QCI) /	Complied. M/s PERFECT ENVIRO SOLUTIONS PVT. LTD.

S. No.	MoEFCC Circular/OM			Applicability/Compliance Status
	Date	Circular Number	Short Description	
			National Accreditation Board of Education and Training (NABET)	NABET Registered List of Accredited Consultant Organizations/ NABET/EIA/25-28/RA 0467 valid up to 26.11.2028) (An ISO 9001:2008 & ISO 14001:2004 Certified Company)
11.	29.01.2025 & 30.01.2025 And Amendment dated 23.01.2026	G.S.R 84(E) & 85(E) and Amendment- G.S.R. 62(E)	Details on nearby Schools, Villages, Habitations, Archaeological sites, Forest, water bodies and other environmentally sensitivity area along with distance and its impact due to the proposed activities and details mitigation measures for appraisal of the EAC	Not applicable as this proposal is for expansion of existing plant. Compliance of Amendment Notification vide G.S.R. 62(E) dated 23.01.2026 is submitted separately in compliance of Agenda Point no. 8.

Written submission by the PP:

28.9.22 During the meeting, based on the deliberations made by the EAC, the project proponent vide letter dated 25.05.2026 through email dated 25.05.2026 submitted the following information:

Additional Details Sought	Particulars	Compliance status
1. Submit a copy of the order passed by the Andhra Pradesh Lokayukta in Order No. 2029/2021/B1 dated 05.09.2024 along with point-wise compliance status and comments on the observations made therein.	Lokayukta vide its order dated 05.09.2024 recommended the Chief Secretary to Government, AP to constitute a High-Level Grievance Redressal Committee with the following members: 1. The Collector and District Magistrate as Chairman and 2. The Revenue Divisional Officer, Jammalamadugu 3. The Zonal Joint Director of Mine and Geology, Kadapa 4. The Superintending Engineer, Irrigation Circle, Kadapa	Copy of Lokayukta Order dated 05.09.2024 is submitted. As per the order of Lokayukta, Govt. of AP vide its G.O. MS. No. 90 dated 17.12.2024 (submitted) constituted a High-Level Grievance Redressal Committee under the chairmanship of Collector and other Members as per the order. Further TOR was also issued for the committee. The same concerns/complaints made to Lokayukta, were raised again by the complainants/villagers in the Public Hearing in compliance to the Hon'ble High Court Order on W. P. No. 7163 of 2025 dated 25.03.2025 (submitted).

Additional Details Sought	Particulars	Compliance status
	5. The Deputy Director of Agriculture, Kadapa and 6. Any responsible officer from the Office of AP Pollution Control Board. 7. The Deputy Director, O/o. Director Regional Office, Mines Safety, Nellore as members The committee should:- a) Examine the reports of the Superintending Engineer dated 02.03.2023 and the Deputy Director (Investigation) of this Institution and hear the villagers, to identify all impacts of the factory's construction, particularly the obstruction caused by the bund and compound wall and pollution emanates from the factory. b) Engage with Dalmia Cement Management and persuade the management of M/s Dalmia Cement to acquire the affected agricultural lands, whose survey numbers are listed in the objections/ representation dated 05.09.2024 of the villagers, under the provisions of the Land Acquisition, Rehabilitation, and Resettlement Act or for market value and ensure a permanent solution for the villagers. If acquisition of the affected lands is not feasible, explore alternative compensation mechanisms or rehabilitation options for affected farmers, including resettlement to non-flood-prone areas. The committee also ensure a suitable and long-term solution to the villagers' grievances, thereby reducing the impact of Dalmia Cement's operations on their livelihood and health and submit action taken report.	District Collector in order to address all the issues/complaints raised before Lokayukta as well as in the Public Hearing conducted on 27.03.2025 and subsequent discussions DCBL Management and other stakeholders, approved the action plan vide letter no. REV-ESECOMSE/25/2025-SA(E3)-KDPCO, C.NO. 597004 dated 03.12.2025 communicated the action plan (submitted) and its resolution to all concerned departments namely WRD, APPCB, Revenue, Housing, Agriculture, Mine Safety, DMG, Educational, Skill Development. Subsequently, Collector & District Magistrate, Y.S.R. Kadapa District had submitted the action plan to MoEFCC vide letter No. K-217/PCB/RO/KDP/2025 dated 22.12.2025 (submitted). Also, WRD has given NOC for the expansion of the project vide letter No. TW/ATO/785 dated 15.11.2025 (submitted) after obtaining undertaking from DCBL (submitted). It is submitted that all the complaints have been addressed in the action plan submitted by District Collector to MoEFCC vide above referred letter.
2. Submit authenticated	Copy of the letters of SE, WRD dated 02.03.2023 attached as an	WRD has given NOC for the expansion of the project vide letter No.

Additional Details Sought	Particulars	Compliance status
copies of the reports of the Irrigation Department dated 02.03.2023 and 20.06.2024 along with point-wise reply and action taken by the project proponent.	Annexure 8 and letter from Executive Engineer, WRD dated 20.06.2024 attached as an Annexure 9. As the letters & Reports were not marked to the company, it is not available with us, however, as per part of Public Hearing Documents, same was available. Copies of same are attached for reference.	TW/ATO/785 dated 15.11.2025 (submitted) after obtaining undertaking from DCBL (submitted). In the said NOC, it is stated that: - Alugu Vagu, a seasonal stream, flows adjacent to the DCBL plant and partly through its existing and proposed mining lease areas. During monsoon, the Vagu carries an estimated peak flood discharge of 33789 cusecs, and its existing cross-sectional area is insufficient, hence causing inundation of adjacent villages, including Dugganapalli, Hanumatharaopet, Nawabpet, and adjoining agricultural lands and parts of the DCBL factory area. - WRD has assessed the hydrological risks and suggested necessary steps to obviate the above difficulty. It was recommended to increase the carrying capacity of Alugu Vagu by widening, desilting, bank strengthening, and improving the cross-sectional profile. - Dalmia Cement (Bharat) Limited has submitted an undertaking as per commitment made during the Public Hearing and the suggestion of the WRD. It is further submitted that Rs. 5.5 Cr. has been earmarked for the said work and it is part of the action plan report submitted by District Collector to MoEFCC vide letter No. K-217/PCB/RO/KDP/2025 dated 22.12.2025 (submitted). Undertaking submitted by DCBL to the WRD as mentioned in the NOC, submitted.
3. Submit a copy of G.O.Ms.No.90 dated 17.12.2024 and clarify its applicability and compliance status	Copy of Govt. of AP G.O. MS. No. 90 dated 17.12.2024 is attached as an Annexure-2.	In GO, Govt, of AP constituted a High-Level Grievance Redressal Committee under the chairmanship of Collector and other Members as per the Lokayukta order. Further TOR was also issued for the committee. Details given in Point no. 1 above.

Additional Details Sought	Particulars	Compliance status
with respect to the project.		
4. Submit copies of the directions / orders passed by the Andhra Pradesh High Court in W.P. No. 7163 / 2025 along with present status of the case and compliance thereof.	The copy of order is attached as an Annexure 3. A WP was filed by one Mr. Vennapusa Siva Sankar Reddy and 4 others to suspend the PH which was slated on 27-3-2025. The HC vide order dated 25-3-2025 disposed of the WP with the following directions:	Point wise compliance of the order:
	I. It is for the petitioners to participate in the public consultation process pursuant to the public hearing notice, dated 21.02.2025, raising their grievance and also filing written responses, accompanied by the reports, or / and the Order of the Lokayukta, on the subject, conducting public hearing, with the Competent Authority / State Pollution Control Board (SPCB) or the Union Territory Pollution Control Committee (UTPCC), as the case may be.	I. The petitioners participated in the Public Hearing and they expressed their concerns/grievances and same is certified by the Collector & District Magistrate, Y.S.R. Kadapa District to MoEFCC vide letter No. K-217/PCB/RO/KDP/2025 dated 22.12.2025 (submitted) along with action Plan addressing all the issues raised by the petitioners in the Public Hearing/ Lokayukta.
	II. If such objections are raised and responses filed in writing, the Competent Authority, conducting the public hearing, shall receive the same, and along with the petitioners' representation dated 02.03.2025, shall forward the same to the Regulatory Authority, with the proceedings of the public consultation;	II. Written responses, accompanied by the reports, or / and the Order of the Lokayukta etc. submitted by the complainants, were part of PH Proceedings and were forwarded to MoEFCC by APPCB vide letter No. G-303/PCB/RO/KDP/PH/2024-847 dated 29.03.2025 (submitted).
	II. Such Regulatory Authority as under the Notification dated 14.09.2006, shall also take that aspect into consideration as raised by the petitioners, and pass speaking Orders, while taking action on the	III. MoEFCC raised EDS on 16.07.2025 stating: <i>"It is noted from PH proceedings that a court case has been made against the project, which was disposed by Hon'ble High Court. The directions were to ask litigants to participate in</i>

Additional Details Sought	Particulars	Compliance status
	recommendations of the Expert Appraisal Committee (EAC) / State Level Expert Appraisal Committee (SEAC), as per Para-8 of the Notification, dated 14.09.2006 including its Clause IV. The decision so taken shall also be timely communicated to the petitioners	<i>PH process and raise grievance. A detailed write up on the grievances raised by the public during PH vis-a-vis PP's response vis-a-vis its inclusion in proceedings vis-a-vis mode in which it is addressed in consultation with District Authorities and concerned SPCB may be submitted."</i> Same has been complied with letter of Collector & District Magistrate, Y.S.R. Kadapa District vide letter dated 22.12.2025. IV. Project is under consideration for grant of Environmental Clearance and the decision taken to be communicated post EAC meeting.
5. Submit a detailed report, authenticated by the concerned Government Department/expert institution, on whether the project has obstructed natural flood flow or affected Nawabpeta Alugu Vaagu and Dugganapalle Vanka streams. The report shall include drainage maps, satellite imagery, and mitigation measures undertaken, if any.	Letters of SE, WRD dated 02.03.2023 attached as an Annexure 8 and letter from Executive Engineer, WRD dated 20.06.2024 attached as an Annexure 9 and WRD NOC dated 15.11.2025.	As per the latest Letter NO TW/ATO/785M dated 15.11.2025 granting NoC for proposed expansion of Integrated Cement Plant, Mines and Proposed Mines of DCBL, a technical committee has assessed the hydrological risks and suggested necessary steps to obviate the difficulty of flooding. In that letter there is no mention of obstruction to flow because of the Project. However, WRD has recommended to increase the carrying capacity of Alugu Vagu by widening. Desilting, bank strengthening and improving the cross-section profile, for which DCBL has given an undertaking to abide by the WRD findings and has committed financial outlay of Rs 5.50 Cr. Subsequently the same has been incorporated in the Action Plan report submitted by Collector & District Magistrate, Y.S.R. Kadapa District to MoEFCC vide letter No. K-217/PCB/RO/KDP/2025 dated 22.12.2025 (submitted). The Company has constructed a bund along the Alugu Vagu within the mining lease area without disturbing Alugu Vagu and its flow, in compliance with the Environmental Clearance (EC) conditions and directions of the

Additional Details Sought	Particulars	Compliance status
		Directorate General of Mines Safety (DGMS). Further, the Company has constructed a compound wall along the Alugu Vagu in the plant boundary without disturbing the natural course of the Vagu or altering the drainage pattern of the area. However, it is a matter of record that flash floods have occurred in the area from time to time, even prior to the establishment of the plant and commencement of mining operations, as is evident from earlier complaints and historical occurrences. Such flooding may be attributable to several external factors beyond the control of the Company. Further, the detailed report of the Superintending Engineer, Irrigation Circle, Kadapa dated 02.03.2023 records that the concerned stream is a major drainage channel of about 48 km length in the Kundu Sub-basin system traversing multiple villages before joining River Kundu. The report further records that during monsoon periods, the stream carries flood discharge of about 956.78 cumecs (approximately 33,788 cusecs). Thus, the flooding phenomenon is clearly attributable to regional hydrological and catchment characteristics and not to any isolated industrial activity. It is also pertinent to note that the width of the nalla/vagu has reduced over a period of time due to various factors not attributable to the Company. Several developmental and infrastructural activities have taken place in the surrounding region, including construction of roads, weirs, and other public works, which may have contributed to the present situation. Hence, the flooding issue is a cumulative and regional drainage management issue involving multiple external factors. The Company remains fully committed to cooperating with all Government

Additional Details Sought	Particulars	Compliance status
		departments and implementing scientifically designed mitigation measures for sustainable management of the drainage system and protection of surrounding habitations and agricultural lands. The proposed expansion may therefore be considered independently on its technical merits, subject to continued compliance with environmental safeguards and implementation of appropriate mitigation measures in coordination with the competent authorities. Report and write up submitted.
6. Submit Revised CER budget/Action Plan.	CER budget/Action plan to address the issues raised during Public Hearing and other socio-economic developmental work has been revised from earlier Rs. 28.44 Crores to Rs. 42 Crores.	Revised CER budget / Action plan is submitted.
7. Affidavit confirming non-obstruction of the natural flood flow and no adverse impact on Nawabpeta Alugu Vagu	Affidavit confirming non-obstruction of the natural flood flow and no adverse impact on Nawabpeta Alugu Vagu as directed by the Hon'ble Expert Appraisal Committee (EAC) is being submitted herewith.	An Affidavit confirming non-obstruction of the natural flood flow of Alugu Vagu is submitted.
8. Submit Life Cycle Assessment & Carbon Sequestration Study modified as per ICFRE.	Life Cycle Assessment & Carbon Sequestration Study report has been modified as per ICFRE.	Modified Life Cycle Assessment & Carbon Sequestration Study report is submitted.

Deliberations by the Committee

28.9.23 The Committee noted the following:

1. The instant proposal is for expansion of existing Integrated Cement Plant (Clinker, Cement & WHRS) by installation of a new line of clinkerisation & cement grinding with WHRS for enhancement of production of cement (OPC/PPC/PSC/Composite Cement/ SRPC, GGBFS and other varieties of cement) from 4.6 MTPA to 12.6 MTPA , Clinker from 2.6 MTPA to 7.6 MTPA & WHRS from 12 MW to 28 MW.
2. The existing project was accorded Environmental Clearance vide letter.no. J-11011/76/2007-IA-II (I)dated 05.04.2007 in the name of Eswar Cement Pvt. Ltd. and subsequently transferred to Dalmia Cement (Bharat) ltd. vide letter dated 05.09.2007. Consent to Operate for the existing

unit was accorded by Andhra Pradesh State Pollution Control Board vide Ir. no. 365704APPCB/KNL/KDP/CTO&HWA/HO/2024- dated 30.03.2024. The validity of CTO is up to 28.02.2029.

3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is a brownfield proposal. Accordingly, SPCB furnished its comments vide letter dated 04.05.2026. The EAC apprised the proposal taking into consideration the comments of SPCB and the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The PP reported that the existing plant area is 120 ha including plant and colony area. With the installation of proposed New Line-II, plant area will increase from existing 120 ha to 150 ha. Additional area is contiguous & in possession of the company and converted for industrial use.
9. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that the nearest habitations include Chinnakomerla at 20 m in South, Dugganapalli village located at about 110 m and Nawabpet village at about 540 m, Peda Komerla at 0.95 km from the project site. Educational institutions in the vicinity include Z.P. High School and MPP Schools at Chinnakomerla (~30 m, SE), Primary School at Dugganapalli (~0.9 km, W), and MPP School at Nawabpet (~0.71 km, NNE). A religious structure, Sri Mulamma Temple, is located at approximately 290 m in the west direction. Water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, a nala at about 20 m in the north-east direction, Nossam Branch Canal at about 1.5 km

in the south-east direction along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.

10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
11. It is observed that a Nallah/Vagu is passing adjacent to the plant. In this regard, the project proponent has submitted a NOC from WRD obtained vide letter no. TW/ATO/785 dated 15.11.2025. The Committee further noted that as per the WRD assessment, the flooding is attributable to regional hydrological characteristics of the drainage basin and not solely due to the project. The PP has submitted an undertaking and earmarked a budget of Rs. 5.5 Crores for widening, desilting, bank strengthening, and improving the cross-sectional profile of Alugu Vagu, along with an affidavit confirming non-obstruction of natural flow.
12. The Committee noted the submissions of the Project Proponent regarding flooding in the surrounding area and observed that, as per the assessment of the Irrigation Department, the Alugu Vagu forms part of a larger drainage system in the Kundu sub-basin and carries significant monsoonal discharge. The Committee further noted that flooding in the region is a cumulative phenomenon influenced by regional hydrology and catchment characteristics and cannot be attributed solely to the project. The Committee noted that the Project Proponent has submitted an affidavit confirming that the project has not obstructed the natural flow of Alugu Vagu and shall not adversely impact the drainage pattern in the area, and committed to implement all necessary mitigation measures. However, the Committee emphasized that the Project Proponent shall implement all mitigation measures as recommended by the Water Resources Department in a time-bound manner in coordination with concerned authorities.
13. Further, water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, Nossam Branch Canal at about 1.5 km in the south-east direction along with other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures for all the water bodies.
14. Existing Water requirement is 2015 m³/day (1800 KLD fresh water & 215 KLD treated water), which is obtained from the existing Rainwater Sump at Plant & Mine site and Ground Water. The water requirement for the proposed Line-2 is estimated as 1835 m³/day, out of which 1740 m³/day of fresh water requirement will be obtained from the existing Rainwater Sump at the Plant & Mine site. Total water requirement after proposed expansion will be 3850 KLD out of which 3475 KLD fresh water (1800 KLD ground water existing permission, No change and remaining from Rainwater at Mine & plant) and 375 KLD treated water. The EAC opined that

the PP shall secure the required approval from the appropriate authority. Further, the Committee emphasized that the project proponent shall explore alternative sources of water to minimize dependency on groundwater.

15. **PH and Court Case**

- The Committee deliberated on the submissions made by the Project Proponent with respect to the issues raised during the Public Hearing, compliance of the EDS, directions of the Hon'ble Lokayukta, and related court proceedings. The Committee noted that the Hon'ble Lokayukta, Andhra Pradesh, vide order dated 05.09.2024, had recommended constitution of a High-Level Grievance Redressal Committee, which was subsequently constituted by the Government of Andhra Pradesh vide G.O. Ms. No. 90 dated 17.12.2024. The Committee further noted that a Writ Petition (W.P. No. 7163 of 2025) was filed before the Hon'ble High Court seeking to suspend the Public Hearing; however, the same was disposed of vide order dated 25.03.2025 with directions to the petitioners to participate in the Public Hearing process and raise their grievances before the competent authority.
- The Committee noted that the petitioners had participated in the Public Hearing and their grievances were duly recorded, examined, and addressed by the Project Proponent in consultation with the District Authorities and the concerned SPCB, and the same has been incorporated in the Public Hearing proceedings and subsequent Action Taken Report. The Committee further noted that the directions of the Hon'ble High Court have been complied with, including participation of petitioners and submission and consideration of written representations.
- The Committee also noted that the District Collector & District Magistrate, Kadapa has furnished a detailed response vide letter dated 22.12.2025 along with an approved Public Hearing Action Plan, including petitioner-wise grievances, mode of redressal, implementation modalities, and budgetary provisions, which also incorporates the directions of the Hon'ble Lokayukta and the recommendations of the High-Level Grievance Redressal Committee. It was further observed that a cumulative budget of Rs. 42 Crores has been earmarked for addressing the issues raised during the Public Hearing for both plant and mine components. The Committee found the action plan to be satisfactory. Further, the Committee noted that other legal proceedings reported are either not related to the Environmental Clearance process or have been disposed of, and at present, there is no subsisting legal constraint on consideration of the proposal.

16. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
17. It is reported that as per the amended Wildlife Protection Act (WLPA) 2022, a total of 14 species are listed under Schedule-I. Conservation plan of schedule-I species was approved in line with Wildlife (Protection) Act, 1972 and further re-validated as per amendment in Wildlife

(Protection) Act, 2022 by Principal Chief Conservator of Forests & HoFF and Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden (FAC), Andhra Pradesh vide letter dated 04/10/2021 and vide Rc.no. 21024/2019/WL-2, dated 11/09/2024 respectively. Budget of Rs. 1.65 Crores was allocated for implementation for WLCP and amount has been deposited by the company in the account of Wildlife Conservation projects & CSR (WLC & CSR). The EAC opined PP shall ensure strict compliance with the recommendations of the approved plan in consultation with State Forest Department.

18. The PP reported that existing green belt has been developed in 40 ha area which is 33% of the existing plant area i.e. 120 ha as per granted EC with total sapling of 100000 trees. As per the Office Memorandum dated 29.10.2025, Section 6-B, as this is a Red Category project, a minimum of 25% of the total project area shall be maintained as Greenbelt/Plantation. The Greenbelt will inter alia, cover the peripheral area of plant premises. A minimum of 25% of the total project area shall be maintained as greenbelt/plantation, considering the project falls under the Red Category. The EAC deliberated on the greenbelt action plan and is of the opinion that 33% greenbelt shall be maintained in the existing project area of 120 ha, whereas PP may undertake greenbelt in the 25% of the additional project area of 30 ha in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. The greenbelt development shall be completed within a period of 1 year.
19. PP reported that few trees will be cleared during installation of Line-II. Permission has been obtained from Forest Department, Govt. of Andhra Pradesh vide Rc. No. 2149/2025/A8 dated 26.12.2025. The Committee emphasized that tree felling shall be limited to bare minimum and in consultation and supervision of State Forest Department.
20. The Committee deliberated on the details of carbon footprint and carbon sequestration study with respect to the proposed project. The Committee noted that the Project Proponent has submitted the revised Life Cycle Assessment and Carbon Sequestration Study in line with the recommendations of ICFRE, and the same was found to be satisfactory.
21. The EAC deliberated on the other written submission of the project proponent and found it satisfactory.
22. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
23. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
24. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air

(Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

25. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

- 28.9.24 In view of the foregoing and after detailed deliberations, the committee **recommended** the instant proposal under the provisions of EIA Notification, 2006 for grant of Environment Clearance **subject to uploading of written submission placed before EAC on PARIVESH portal**. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions are mentioned below:

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. Chinnakomerla at 20 m in South, Dugganapalli village located at about 110 m and Nawabpet village at about 540 m, Peda Komerla at 0.95 km from the project site. Educational institutions in the vicinity include Z.P. High School and MPP Schools at Chinnakomerla (~30 m, SE), Primary School at Dugganapalli (~0.9 km, W), and MPP School at Nawabpet (~0.71 km, NNE). A religious structure, Sri Mulamma Temple, is located at approximately 290 m in the west direction. Water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, a nala at about 20 m in the north-east direction, Nossam Branch Canal at about 1.5 km in the south-east direction along with other sensitive receptors within the study area of the project site. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other

environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.

- v. Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
- vi. Project Proponent shall strictly comply with all conditions stipulated in the NOC issued by the Water Resources Department vide letter no. TW/ATO/785 dated 15.11.2025 and implement the recommended measures for widening, desilting, bank strengthening, and improvement of the cross-sectional profile of Alugu Vagu, with the committed financial outlay of Rs. 5.5 Crores, in a time-bound manner in coordination with the concerned authorities. Project Proponent shall ensure that no obstruction to the natural flow of Alugu Vagu or alteration of the natural drainage pattern occurs at any stage of construction or operation of the project, and the undertaking/affidavit submitted in this regard shall be strictly adhered to. Progress and compliance status shall be submitted periodically to the Integrated Regional Office (IRO), MoEF&CC.
- vii. Further, water bodies in the vicinity include Tigaleru River at about 1.85 km towards the east, Nossam Branch Canal at about 1.5 km in the south-east direction along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented for all the water bodies.
- viii. Total water requirement after proposed expansion will be 3850 KLD out of which 3475 KLD fresh water (1800 KLD ground water existing permission, No change and remaining from Rainwater at Mine & plant) and 375 KLD treated water. PP shall secure the required approval from the appropriate authority.
- ix. Green Belt shall be developed and maintained in the 33% of existing project area of 120 ha, whereas PP to undertake greenbelt in the 25% of the additional project area of 30 ha as proposed in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop within a period of one year. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- x. The PP shall undertake plantation, in compliance to MoEF&CC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (<https://merilife.nic.in>).
- xi. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 42 Crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (*such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill*). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. Project Proponent shall also ensure to comply with the directions of the Hon'ble Lokayukta vide order dated 05.09.2024 and the

recommendations of the High-Level Grievance Redressal Committee constituted by the Government of Andhra Pradesh vide G.O. Ms. No. 90 dated 17.12.2024, as approved by the District Collector & District Magistrate, Kadapa vide letter dated 22.12.2025. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.

- xii. PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEF&CC.
- xiii. The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
- xiv. PP shall Install CO sensors with alarms at strategic locations in the Plant.
- xv. PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEF&CC on regular basis through the self compliance reporting mechanism.
- xvi. PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
- xvii. The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
- xviii. The project proponent shall implement training and awareness programmes on natural/organic farming in consultation with the local Gram Panchayat, including distribution of quality seeds, promotion of organic farming practices, and facilitation of linkages for procurement of organic inputs, as committed. The activities shall be carried out in a structured and time-bound manner with measurable outcomes.
- xix. The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.

- xx. PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
- xxi. PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
- xxii. Tree felling shall be limited to bare minimum with due permission and in consultation and supervision of State Forest Department.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.

- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- x. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xi. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
- xiii. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xiv. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xv. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xvi. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xvii. Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.
- xviii. The emission norms applicable for the cement plant shall be adhered to.
- xix. Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
- xx. DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm³ by using best available technology.
- xxi. Petcoke dosing shall be controlled automatically to control SO₂ emission from chimney within the prescribed limits.
- xxii. PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
- xxiii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- xxiv. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxv. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre-and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. Air Cooled condensers shall be used in the captive power plant.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- iii. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

V. Energy Conservation measures

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas.
- iii. The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- iv. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
- v. Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
- vi. Waste heat recovery system shall be provided for kiln and cooler.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Agenda No. 28.10

28.10 Proposed expansion of Bhilai Steel Plant, Steel Authority of India Ltd, from 7.5 MTPA Hot Metal to 8.8 MTPA, 7.0 MTPA Crude Steel to 8.3 MTPA and from 6.3 MTPA Finished Steel to 7.55 MTPA by M/s Steel Authority of India Limited, located at Bhilai, Chhattisgarh – Consideration of EC.

**[Proposal no.: IA/CG/IND1/567660/2026; File No. IA-J-11011/28/2007-IA-II (IND-I)]
[Consultant: M. N. Dastur and Company (Pvt.) Ltd.; Valid upto: 17.11.2028]**

28.10.1 M/s Steel Authority of India Limited, Bhilai Steel Plant (SAIL-BSP) has made an online application vide proposal no. IA/CG/IND1/567660/2026 dated 14.04.2026 along with copy of EIA/EMP report,

Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of para 7(ii) of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S. No. 3(a) Metallurgical Industries (ferrous and non-ferrous), 4(b) Coke Oven Plant (Minor Activity) & 1(d) Thermal Power Plants under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

- 28.10.2 Name of the EIA consultant: M/s. M. N. Dastur and Company (Pvt.) Ltd. [List of ACOs with their Certificate / Extension Letter no. NABET/EIA/2528/RA 0463; valid upto 17.11.2028].

Details submitted by Project proponent

- 28.10.3 The project of M/s Steel Authority of India Limited, Bhilai Steel Plant (SAIL-BSP) located at Bhilai, Chhattisgarh is for expansion from 7.5 MTPA Hot Metal to 8.8 MTPA, 7.0 MTPA Crude Steel to 8.3 MTPA and from 6.3 MTPA Finished Steel to 7.55 MTPA under the provisions of para 7(ii) of the EIA Notification, 2006.

28.10.4 Justification for applying under the provisions of para 7(ii) of EIA Notification, 2006:

As per the OM dated 11th April 2022 para-5, subject to fulfilment of the para 4(i) to (viii), if intended change is upto 20 % based on successful compliance of previous environmental safeguard conditions & up-to 40 % based on successful compliance of previous environmental safeguard conditions related to expansion of 20%, Revised EIA/EMP required to be prepared and same shall be appraised by Appraisal Committee, as stated above, upto 20% expansion in production capacity is proposed i.e. expansion from 7.5 MTPA Hot Metal to 8.8 MTPA (17.33%), 7.0 MTPA Crude Steel to 8.3 MTPA (18.57%) and from 6.3 MTPA Finished Steel to 7.55 MTPA (19.84%). Point-wise Compliance to the conditions mentioned in the Para 4 of the Ministry’s O.M. F.No. IA3-22/10/2022-IA.III [E 177258] dated 11.04.2022 is given as below:

S. No.	Conditions	Reply of PP
1.	The project should have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those categories of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Public hearing for 7 MTPA expansion held on 08.06.2018.
2.	There should not be change in Category of the project from 'B2' to 'B1' or 'A' due to proposed modernisation or expansion.	There is no change in the category of the project. The subject project falls under Category “A” only.
3.	There is no additional land acquisition or forest land diversion involved for the proposed expansion or there is no increase in lease area with regard to mining vis-a-vis the area mentioned in the EC, based on which public hearing has been held earlier.	Expansion proposed within existing land boundary of SAIL BSP.
4.	The proposed expansion shall not be more than 50% of production capacity as mentioned in the	Overall expansion of crude steel is 19%.

S. No.	Conditions	Reply of PP
	prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	
5.	Predicted environmental quality parameters arising out of proposed expansion / modernization shall be within the prescribed norms and the same shall be maintained as per prescribed norms.	All environmental parameters due to additional pollution load of expansion project are within prescribed norms.
6.	The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	There is no change in the greenbelt area.
7.	The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(S) and satisfactorily fulfilled all the commitments made during the earlier public hearing/ consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/ SPCB, which should not be more than one year old at the time of submission of application.	CCR issued on 17.11.2025 and ATR submitted on 19.12.2025 Review report on ATR issued on 27.03.26 and further action taken report submitted on 12.04.2026
8.	Public Consultation shall be undertaken [if applicable as per table below] by obtaining response in writing, as per para 7 III (ii) (b) of EIA Notification 2006, except those category of projects which have been exempted as per para 7 III (i) of EIA Notification 2006 and its amendments.	Public consultation not applicable as expansion is within 20% and public hearing for last EC has been carried outThe Public Hearing for this project was held on 8th June 2018.
9.	Effluent monitoring including air quality monitoring systems as specified in the existing EC, if stipulated, should have been installed.	4 nos. CAAQMS installed and OCEMS installed for effluent

28.10.5 Details of EDS:

Sl. No.	Details of EDS sought by Ministry	Reply of PP
1	As per the information submitted, there as many capacities/ configurations like PELLET and MICRO PELLET Plant, which are not covered in earlier EC, however, PP has mentioned the same. Such references may be removed, and existing and proposed capacities may	The additional units like Micropellet plant and Pellet Plant have been dropped from the configuration list and the configuration has been revised in the PFR and EIA to only include the units under the purview of the previous ECs.

Sl. No.	Details of EDS sought by Ministry	Reply of PP
	be restricted to previous ECs approved configurations only.	
2	A Review Report from concerned RO is required, in light of multiple non-compliances highlighted.	A Review report from concerned RO, Letter No.F.No.5-249/09(ENV)/157 regarding Revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant has been obtained which has been submitted in the application form. A Further Action Taken report has been submitted to IRO Raipur to comply with the observations in the Review Report.
3	WRD NOC in respect of Canal/Nallah traversing from within the site may be uploaded.	The NOC with respect to Tandula canal was obtained from WRD vide Memo no. 329/TS/2026 dated 09.03.2026.
4	The EC was granted in 2019, and hence, status of implementation of WLCP be provided. Further, details of Revised WLCP be provided, if any.	The previous EC was granted on 24 th May 2019. The said reports in point no 8 that "...The area also does not report to form corridor for Schedule-1 fauna." Hence Site Specific Wildlife Conservation plan was not required for the previous EC. However, in view of the amendment of Wildlife Protection Act in 2022, several species reported in the study area extracted from the ecological baseline monitoring carried out, have been reclassified as Schedule-1 fauna. Therefore, the present proposal warrants preparation of Site Specific Wildlife Conservation plan. The same has been prepared and submitted to PCCF, CG, Forest Department, vide letter no. B-8/2026/95 dated 06.04.2026 for further processing and approval. The SSWLCP has been prepared with a financial outlay of INR 20 lakhs to be incurred in 5 years.
5	Status of water permission be submitted	Agreement is in place between SAIL BSP and WRD, Durg for withdrawal of 4.0 TMC per year from Mahanadi/Tandula complex. The water requirement for the proposed expansion shall be met from the existing allocation vide agreement with Water Resources Division, Durg dated 19.04.2006.
6	CCR is not uploaded properly by PP. Only two pages are uploaded. The full report may be uploaded. The date of CCR visit may also be corrected in form.	The full CCR with all enclosures has been uploaded in the application form.
7	An Authorization letter, from appropriate authority, in the name of	The authorisation letter has been uploaded in the application form.

Sl. No.	Details of EDS sought by Ministry	Reply of PP
	person making application is not located. The same may be uploaded.	

28.10.6 Environmental Site Settings:

Sl. No.	Particulars	Details	Remarks																					
i.	Total land	Project area – 3284.75 ha Total land under possession - 6286.75 ha [Govt land]	Land use (proposed): <table><tr><th>Sl. No.</th><th>Category</th><th>Area (ha)</th></tr><tr><td>1.</td><td>Main Plant</td><td>807.47</td></tr><tr><td>2.</td><td>Greenbelt</td><td>1823.158</td></tr><tr><td>3.</td><td>Other leased land outside plant</td><td>1835.792</td></tr><tr><td>4.</td><td>Reservoir</td><td>1173</td></tr><tr><td>5.</td><td>Rail and Road</td><td>647.33</td></tr><tr><td></td><td>Total</td><td>6286.75</td></tr></table>	Sl. No.	Category	Area (ha)	1.	Main Plant	807.47	2.	Greenbelt	1823.158	3.	Other leased land outside plant	1835.792	4.	Reservoir	1173	5.	Rail and Road	647.33		Total	6286.75
Sl. No.	Category	Area (ha)																						
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3.	Other leased land outside plant	1835.792																						
4.	Reservoir	1173																						
5.	Rail and Road	647.33																						
	Total	6286.75																						
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Land is already owned by SAIL-BSP																						
iii.	Existence of habitation & involvement of R&R, if any.	Project site: Nil Study Area: Bhilai	Status of R&R: Not Applicable as the proposed units shall be set up within the existing plant boundary																					
iv.	Latitude and Longitude of all corners of the project site.	<table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>21°12'8" N</td><td>81°26'24"E</td></tr><tr><td>B</td><td>21°12'22" N</td><td>81°22'52"E</td></tr><tr><td>C</td><td>21°10'31" N</td><td>81°21'28"E</td></tr><tr><td>D</td><td>21°08'07" N</td><td>81°22'52"E</td></tr></table>	Point	Latitude	Longitude	A	21°12'8" N	81°26'24"E	B	21°12'22" N	81°22'52"E	C	21°10'31" N	81°21'28"E	D	21°08'07" N	81°22'52"E							
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C	21°10'31" N	81°21'28"E																						
D	21°08'07" N	81°22'52"E																						
v.	Elevation of the project site	260-340 m above mean sea level																						
vi.	Involvement of Forest land if any.	No																						
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: Tandula canal inside the plant boundary), Study Area: Shivnath River in the northwest direction																						

Sl. No.	Particulars	Details	Remarks
viii.	Existence of ESZ/ESA/ national park/ wildlife sanctuary/ biosphere reserve/tiger reserve/ elephant reserve etc. if any within the study area	Nil	

28.10.7 The existing Bhilai Steel Plant (BSP) was initially granted Environmental Clearance vide File No. IAJ-11011/28/2007-IA.II(I) dated 31.03.2008 for modernization-cum-expansion from 4 MTPA to 7 MTPA crude steel capacity along with a captive power plant. The EC was subsequently amended on 23.06.2011, and its validity was extended up to 30.03.2018 vide MoEF&CC letter dated 05.07.2013. Further amendments to the EC were issued on 23.07.2014 and 15.01.2018. Thereafter, EC for revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant was granted vide letter dated 24.05.2019 followed by subsequent amendment in 28.04.2022. Consent to Operate for the existing unit was accorded by Chhattisgarh Environment Conservation Board vide lr. No. 4665/TS/CECB/2025 dated 25.07.2025. The validity of CTO is up to 31.07.2026.

28.10.8 Implementation status of the existing EC:

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
1	Sinter Plant complex	Sinter Plant-1 (4 x 50 m ²)	Phased out	Implemented	9.772 MTPA
		Sinter Plant-2 (3x75 m ² +1x 80 m ²)	Sinter Plant-2 (3x75 m ² +1x 80 m ²)	Implemented	
		Sinter Plant-3 : Machine 1 (1x 320 m ²)	Sinter Plant-3 : Machine 1 (1x 320 m ²)	Implemented	
		Sinter Plant-3 : Machine 2 (1x 360 m ²) (Mc. 2 : Production : 3.168 MTPA)	Sinter Plant-3, Machine 2 (1x 360 m ²) : Production Capacity : 3.705 MTPA	Implemented	
2	Coke Oven Complex	8 Nos. - 65 Oven 4.3 m tall battery i.e. Battery No. 1, 2, 3, 4, 5, 6, 7 &	8 Nos. - 65 Oven 4.3 m tall battery and 3 Nos. - 67 Oven 7 m tall battery	Implemented	3.94 MTPA

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
		8 and 3 Nos. - 67 Ovens, 7 m tall batteries, i.e. Coven Battery No. 9, 10 & 11.			
		Operation Regime: •8 Battery Operation. •At any time 3 Coke Oven batteries will be shut-down for cold repair and rebuilding cycle.	Operation Regime : •9 Battery Operation. At any time 2 batteries will be shut-down for cold repair and rebuilding cycle.	Implemented	
3	Blast Furnace Complex	BF 1 with CDI (1033 m ³)	To be phased out in May 2025	Implemented	DSS 7.5 MTPA
		BF 2 with TIS (1033 m ³)	Phased Out	Implemented	
		BF 3 with TIS (1033 m ³)	Phased Out	Implemented	
		BF 4, 1719 m ³	BF 4, 1719 m ³	Implemented	
		BF 5, 1719 m ³	BF 5, 1719 m ³	Implemented	
		BF 6, 1719 m ³	BF 6, 1719 m ³	Implemented	
		BF 7, 2363 m ³	BF 7, 2363 m ³	Implemented	
		BF 8, 4060 m ³ with TRT	BF 8, 4060 m ³ with TRT	Implemented	
4	SMS I	4x 500t Twin Hearth Furnace	Phased out	Implemented	7.0 MTPA
5	SMS II	3x120t BOF	3x120t BOF	Implemented	
		2X120t LF	2X120t LF	Implemented	
		3x120t RH	3x120t RH	Implemented	
		1x120t VD	1x120t VD	Implemented	
		Hot metal Desulphurisation	Hot metal Desulphurisation	Implemented	
		3x1 strand Slab Casters (MC#1, 2, 3)	3x1 strand Slab Casters (MC#1, 2, 3)	Implemented	
		Combi-Caster: Bloom (3 strand) cum Slab (1 strand) Caster (mc#4)	Combi-Caster: Bloom (3 strand) cum Slab (1 strand) Caster (mc#4)	Implemented	

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
6	SMS III	1x4 strand Bloom Caster (MC#5)	1x4 strand Bloom Caster (MC#5)	Implemented	
		1x1 slab caster (mc#6)	1x1 slab caster (mc#6)	Implemented	
		3x160 t BOF	3x160 t BOF	Implemented	
		3x160 t LFs	3x160 t LFs	Implemented	
		1x 160 t RH-OB	1x 160 t RH-OB	Implemented	
		1 x vacuum tank degassing unit (Space provision)	1x vacuum tank degassing unit (Space provision)	Implemented	
		Hot metal Desulphurisation	Hot metal Desulphurisation	Implemented	
			New 3x160t Argon Rinsing Unit (ARU)	Implemented	
		2x6 strand Billet Casters	2x6 strand Billet Casters	Implemented	
		1x6 strand Bloom cum Billet Casters	1x6 strand Bloom cum Billet Casters	Implemented	
		1x3 strand Beam Blank Caster	1x3 strand Bloom-cum-Beam blank Caster	Implemented	
7	Rolling Mills	Blooming and Billet Mill (2.149 MTPA)	Phased Out	Implemented	-
		Universal Beam Mill (1.0 MTPA)	Not coming	-	-
		2.2 MTPA Rail & Structural Complex with Universal Rail Mill (URM)	2.2 MTPA Rail & Structural with Universal Rail Mill (URM)	Implemented	2.20 MTPA
		Plate Mill (1.65 MTPA)	Plate Mill : 1.65 MTPA with Quenching & Tempering facility	Quenching & Tempering Facility not implemented	1.65 MTPA
		Bar & Rod Mill (0.90 MTPA)	Bar & Rod Mill 0.90 MTPA	Implemented	0.90 MTPA

Sl. No.	Facilities	Units	As per EC dated 24.05.2019 & subsequent amendment dated 28.04.2022	Implementation status	Production as per CTO
		Merchant Mill (0.85 MTPA)	Merchant Mill (0.85 MTPA)	Implemented	0.85 MTPA
		Wire Rod Mill (0.7 MTPA)	Wire Rod Mill (0.7 MTPA)	Implemented	0.70 MTPA
8	Power Blowing Station and Turbo-generators	1350 tph steam, Power Generation 76 MW	1350 tph steam, Power Generation 76 MW	Implemented	94 MW
		TRT Power Generation 14 MW	TRT Power Generation 14 MW	Implemented	
		CDCP Power Generation 4 MW	CDCP Power Generation 4 MW	Implemented	
9	Refractory Material Plant (RMP) : Lime & Dolo plant	RMP I	To be Phased out in May 2025	Implemented	1.58 MTPA
		RMP - II • 2x 330 tpd + 1 x 144 tpd Lime kiln • 1x 330 tpd kiln	RMP-II • 2x 330 tpd + 1 x 144 tpd Lime kiln • 1x 330 tpd kiln	Implemented	
		RMP III 5x450 tpd lime and dolo kiln for SMS-III	RMP III 5x450 tpd lime and dolo kiln for SMS-III	Implemented	
10	Oxygen Plant	• 3 x 550 tpd • 1 x 700 tpd	• 3 x 550 tpd • 1 x 700 tpd	Implemented	2350 tpd

28.10.9 The unit configuration and capacity of existing and proposed project is given as below:

Plant/Unit	Capacity / Configuration		
	Existing	Proposed	Total
Coke Oven	Battery 1 to 11 3,940,000 TPA	Battery 12 800,000 TPA	Battery 1 to 12 4,728,000 TPA * 9 battery operation at a time
Sinter Plant	Sinter Plant-2 (3x75 m2+1x 80 m2) Sinter Plant-3 (1x 320 m2+ 1x 360 m2) 9,772,000 TPA	Increase production in Sinter Plant-2 & 3 by 1,928,000 TPA	Sinter Plant-2 (3x75 m2+1x 80 m2) Sinter Plant-3 (1x 320 m2+ 1x 360 m2) 11,700,000 TPA
Blast Furnace	BF 4 to 8 Total 7,500,000 TPA	BF 9 2,800,000 TPA	BF 4 to 9 Total 8,800,000 TPA

Plant/Unit	Capacity / Configuration		
	Existing	Proposed	Total
SMS-II			
• BOF	3×120 T	-	3×120 T
• LF	2×120 T	1×120 T	3×120 T
• RH	3×120 T	-	3×120 T
• VAD	1×120 T	Replaced by new LF	-
Caster			
• Combi-Caster: Bloom cum slab	3 strand (Bloom) 1 strand (Slab)	-	3 strand (Bloom) 1 strand (Slab)
• Bloom Caster	1×4 strand	-	1×4 strand
• Slab Caster	4×1 strand	-	4×1 strand
SMS-III			
• BOF	3×160 T	-	3×160 T
• LF	3×160 T	-	3×160 T
• RHOB	1×160 T	-	1×160 T
• ARU	3×160 T	-	3×160 T
• VD	1×160 T	-	1×160 T
Caster		-	
• Bloom cum Billet	1×6 strand	-	1×6 strand
• Billet Caster	2×6 strand	-	2×6 strand
Bloom cum Beam blank Caster	1×3 strand	-	1×3 strand
Mills			
Rail and Structural Complex with Universal Rail Mill (URM)	2.2 MTPA	Replacement of existing RSM with installation of new URSM of 1.2 MTPA capacity.	2.4 MTPA
Plate Mill	1.65 MTPA	-	1.65 MTPA
Bar and Rod Mill	0.9 MTPA	Upgradation to 1.08 MTPA	1.08 MTPA
Merchant Mill	0.85 MTPA	Upgradation to 1.0 MTPA	1.0 MTPA
Wire Rod Mill	0.7 MTPA	Increased production by addition of new WRM of capacity 0.84 MTPA. Old WRM to be phased out	0.84 MTPA
Calcining Plant	RMP-II: 2×330 TPD + 1×144 TPD lime kiln RMP-III: 5×450 TPD lime and dolo kiln	-	RMP-II: 2×330 TPD + 1×144 TPD lime kiln RMP-III: 5×450 TPD lime and dolo kiln

Plant/Unit	Capacity / Configuration		
	Existing	Proposed	Total
Oxygen Plant (captive)	3×550 TPD + 1×700 TPD	2000 TPD (BOO Basis)	3×550 TPD + 1×700 TPD + 2000 TPD (BOO Basis)
Boilers	6×150 TPH boiler + 1×150 TPH boiler (BF gas fired) + 2×150 TPH BF gas fired Boiler Total steam generation capacity = 1350 TPH	6×150 TPH gas fired boilers with LDO as back up fuel As replacement of existing 6×150 TPH existing boilers	6x150 TPH boiler gas fired boilers with LDO as back up fuel + 1×150 TPH BF gas fired boiler + 2×150 TPH BF gas fired boiler Total steam generation = 1350 TPH
Turbo generators	3×12 MW+ 1×15 MW+ 1×25 MW Power generation = 76 MW	3×15 MW Turbo Generators 3×12 MW existing Turbo generators shall be phased out	3×15 MW + 1×15 MW+ 1×25 MW Power generation = 85 MW
TRT power generation	14 MW	BF-9 TRT 14 MW	BF-8 TRT 14 MW + BF-9 TRT 14 MW Power generation = 28 MW
BPTG - CDCP power generation	4 MW	8 MW	Batt-11 BPTG 4 MW + Batt-12 BPTG 8 MW Battery 9 & 10 BPTG = 19 MW Power generation = 31 MW
Other Auxiliary facilities	Matching facilities to achieve production	Matching facilities to achieve production	Matching facilities to achieve production

28.10.10 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

Raw Material	Quantity in TPA			Source	Mode of Transport
	Existing	Proposed	Total		
Iron ore fines	7,287,000	1,137,000	8,424,000	Dalli, Rajhara/Rowghat	Rail
Iron ore lump	4,378,000	-	4,378,000	Dalli, Rajhara/Rowghat	Rail
Limestone	1,847,000	2,144,342	5,106,082	Nandini, Kuteshwar& Jaisalmer	70% Rail/30% Road
Dolomite	1,114,700			Hirri & Belha	Rail
Quartzite	104,600	-	104,600	Muripur	Rail
Coking coal	5,679,000	1,050,000	6,729,000	Imported/	Rail

Raw Material	Quantity in TPA			Source	Mode of Transport
	Existing	Proposed	Total		
				Indigenous	
Pellet	640,500	2,593,500	3,234,000	purchase/mines/plant	Rail
PCI coal	974,000	170,000	1,144,000	Imported	Rail

28.10.11 Existing water requirement is 3,68,500 m³/day which is being obtained from the Chhattisgarh Water Resource Department through Tandula Canal. The additional water requirement for the proposed project is estimated as 21,840 m³/day (excluding drinking and sanitation purpose) and will be obtained from the Chhattisgarh Water Resource Department through Tandula Canal from the existing allocation. The permission for drawl of surface water is obtained from Water Resource Department; Durg dated 06.03.2006.

28.10.12 Existing power requirement of 468 MW is obtained from Chhattisgarh State Power Distribution Company. The power requirement for the proposed project is estimated as 166 MW. Only critical power and total process steam will be generated through the captive power plant. As some of the older units will be phased out or will be under repair, no additional requirement of power is envisaged.

28.10.13 Baseline Environmental Studies:

Period	Parameters
AAQ parameters at 8 Locations	PM _{2.5} = 34.64-56.01 µg/cu m (P98 value) PM ₁₀ = 72.09-93.50 µg/cu m (P98 value) SO ₂ = 4-27.42 µg/cu m NO _x = 18.36-41.12 µg/cu m (P98 value) CO = 0.1-0.55mg/cu m
Incremental GLC level	Predicted Incremental pollution load on Ambient Air Quality (maximum P98 value) due to Project Activities PM ₁₀ = 1.19 µg/m ³ (Level at 2.6 km, North North East direction) PM _{2.5} = 0.79 µg/m ³ (Level at 2.6 km, North North East direction) SO ₂ = 1.65 µg/m ³ (Level at 4.6 km in North Direction) NO _x = 2.78 µg/m ³ (Level at 1.34 km in North-West Direction)
Ground water quality at 8 locations	pH: 6.72 – 7.10 Total Hardness: 99.0-272.5 mg/l Chlorides: 45.1 – 121.0mg/l Fluoride: 0.15 – 0.35 mg/l Heavy Metals: BDL
Surface water quality at 8 locations	pH: 6.48 - 7.37 DO: 6.10-6.40 mg/l BOD: 3.00 - 10.67 mg/l COD: 9.72- 45.13mg/l
Noise levels Leq (Day and Night)	65.31-74.68 dBA for day time 55.96-66.81 dBA for night time
Traffic assessment study findings	Traffic survey was conducted at two locations namely BSNL Chawk, Sector-3 road and the road to Rolling Mill gate for 24 hours on two days (normal/working day and holiday).

Period	Parameters
	Transportation of raw material, fuel & finished product will be done 8% by road and rest will be through conveyer/rail from Durg Railway station. Existing Traffic Load 550.76 (PCU/hr) on BSNL Chawk, Sector-3 road and the road to Rolling Mill gate is and existing level of service (LOS) is A (V/C Ratio=0.16). PCU Load after proposed project will be <u>550.76</u> (existing) + <u>23.58</u> (Additional) and level of service (LOS) will be A (V/C Ratio= 0.16). V/C ratio 0.16 corresponds to a LOS of A which as per IRC:106-1990 guideline represents a zone of stable flow with the driver still have the freedom to select their desired speed and manoeuvre within the traffic stream. *Note: Capacity as per IRC-106-1990 Guideline for capacity for roads. Conclusion: The level of service will remain “A” after including additional traffic due to proposed project.
Flora and fauna	There is presence of twenty Schedule-I species as reported in the study area which includes six mammals, five reptiles and nine birds as per Wildlife (Protection) Act, 1972 and its subsequent amendments in 2022-23, while among them Indian Pangolin, Vulture white scavenger are classified as Endangered species (EN) in the IUCN Red List. A robust wildlife conservation plan for Schedule-1 species has been prepared in and submitted to the office of Principal Chief Conservator of Forests (PCCF)/, Chhatisgarh on 06.04.2026. Total budget for implementation of WCP (5 Years) is about Rs. 48 Lakhs in accordance with Plan prescriptions.

28.10.14 The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below.

Solid Waste Management

Plant unit	Description of waste	Generation, TPA			Utilization/Proposed Disposal
		Existing	Proposed	Total	
BF	BF Slag	1,791,840	836,190	2,628,030	Sold to cement plant and utilized in JV plant
	Flue Dust	96,000	45,000	141,000	To be used in the Sinter Plant
	BF Sludge	42,000	-	42,000	To be used in the Sinter Plant
SMS	BOF Slag	747,000	166,000	913,000	BOF slag will be sent to the metal recovery plant. The non-metallic will be used in the sinter plant. After metal recovery, BOF slag would require weathering, after which it would be used for applications such as construction aggregates, soil conditioner, etc.

	SMS Sludge/Dust	102,000	18,940	1,20,940	To be used in the Sinter plant after briquetting
PBS	Fly Ash	100	-	100	Boilers are operated on clean BF/LD/CO gas .Coal is used only in case of non-availability of these gases.

Other non-hazardous solid wastes like return sinter fines shall be recycled in the sinter plant, scraps generated shall be recycled in the existing BOF. In addition, there would be generation of hazardous wastes like used oil, coal tar sludge, BOD sludge etc. Coal tar sludge and BOD sludge will be recycled in the coke oven itself. Other hazardous wastes would be stored in containers over impervious floor under well-ventilated covered shed before handing over to the authorized recyclers as per the Hazardous Waste Rules 2016 and its subsequent amendments

Hazardous Waste Management

S.no	Existing HW details	Authorized Quantity (TPA) as per no: 681/HSMD/HO/CECB/2024 dtd 27/05/2024	Proposed additional quantity (TPA)	Total quantity (TPA)
1	Benzol Acid sludge	2500	Nil	2500
2	Tar storage Tank Residue/ sludge	1500	500	2000
3	Decanter tank tar sludge/ Tarry sludge	4000	1000	5000
4	Used/spent oil	500	500	1000
5	Spent solvents	500	250	750
6	Oil and grease skimming residues	100	100	200
7	Chemical sludge from waste water treatment/ ETP/RO Rejects	2500	1000	3500
8	Discarded containers / barrels / liners contaminated with hazardous wastes/chemicals	275	100	375
9	Residues, dusts or filter cakes	500	nil	500
10	Copper compounds	400	100	500
11	Lead and lead compounds	50	nil	50
12	Asbestos	80	nil	80

28.10.15 Public Consultation:

The earlier public hearing was held on 08.06.2018 at the Nehru Sanskritik Bhavan, Sector -1, Bhilai Nagar, Tehsil- Durg-Bhilai, Dist-Durg (C.G.) for revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant. Public hearing has been exempted from this project in pursuance to the Ministry's O.M. dated 11.04.2022 for appraisal of instant proposal under para 7(ii) of EIA Notification, 2006.

Action plan as per MoEF&CC O.M. dated 30/09/2020:

The earlier public hearing for the existing capacity was carried out on 08.06.2018, and an amount of Rs. 226 lakhs out of the project cost (as per Ministry's Office Memorandum vide F.No. 22- 65/2017-1A.III dated 1st May, 2018) was earmarked for Corporate Environment Responsibility (CER) duly considering public hearing issues. The total expenditure incurred for implementation was Rs. 233.87 lakhs.

Status of Commitments from the Public Hearing Held on 08.06.2018

S. No.	Location	Name of Project/Activity (Brief detail of the project, duration)	Estimated Scheme Cost (Rs. Lakhs)	Expenditure done in Rs. Lakhs (Approx. Amount)
1	Selud,Durg	I. New Bore well fitted with Solar operated pump with storage tank at three places to be provided.	15.00	17.04
		II. Four Seater Sulabh Shauchalya at Bazar Chowk to be constructed.	7.00	7.74
		III. Sports equipments for boys and girls to be provided.	0.50	0.50
2	Khapri (Kutelabhata),Durg	I. Construction of Boundary wall of Panchayat Bhawan along with tree plantation all around the periphery.	7.00	8.20
		II. New Bore wells at 2 locations fitted with Solar operated Pumps to be provided.	10.00	11.36
		III. Two extra rooms in Govt. Primary School to be constructed.	10.00	10.00
		IV. Dustbin for 10 villages to be provided	0.50	0.50
		V. Beautification and tree plantation around Shitala Talab to be provided.	2.00	2.00
3	Dumardih, Durg	I. Service road from main road cremation ground approx..700 meters to be cemented	10.00	8.80
		II. Pipeline for drinking water pipeline to be extended further by 1000 m approx.	6.00	7.00

S. No.	Location	Name of Project/Activity (Brief detail of the project, duration)	Estimated Scheme Cost (Rs. Lakhs)	Expenditure done in Rs. Lakhs (Approx. Amount)
4	Pauwara, Durg	I. Sanitary Pad Machine women group to be provided	8.00	8.00
		II. Pipeline for drinking water pipeline to be extended further by 1000 m approx.	7.00	7.00
		III. Tree plantation at new talab to be provided	1.00	1.00
		IV. Funds to be provided Sarpanch for cleaning of Wells with supervision / monitoring by BSP.	1.00	1.00
		V. Syntax tank with pump to be provided at Health Center.	0.25	0.25
5	Muskan,Durg	I. Garage for School Bus at Muskan School to be constructed.	1.00	1.00
6	Patora, Durg	I. Four Seater Sulabh Shauchalya at Govt. Middle school for boys to be constructed.	7.00	7.74
		II. Boundary wall at high school of length 165 meter to be constructed.	15.00	15.00
7	Dhuarabhata, Durg	I. Four seater Sulabh Shauchalya at Khadan Talab for both men and women to be constructed.	12.00	15.48
		II. Additional 2 class rooms at High school premise to be constructed.	9.00	10.00
		III. Boundary wall of approx. - 380 meters to be constructed at high school premise.	4.00	4.00
		IV.Construction of separate toilets for both boys and girls to be constructed.	5.00	5.00
8	Mahakakala-Mudpaar,Durg	I. Pipeline for drinking water pipeline to be extended further by 1000 m approx. meters in ward no 01,06,04	7.00	5.00
		II. C.C. road to be constructed at ward no 05 for approx. 250 meters.	4.00	4.00
		III. C.C. road to be constructed at ward no 04 for approx. 250 meters.	4.00	4.00

S. No.	Location	Name of Project/Activity (Brief detail of the project, duration)	Estimated Scheme Cost (Rs. Lakhs)	Expenditure done in Rs. Lakhs (Approx. Amount)
		IV. Four seater Sulabh h Shauchalya for boys and girls to be constructed.	14.00	15.48
10	Pahandor,Durg	I. New Bore wells at required location fitted with solar operated Pumps to be provided.	10.00	9.62
		II. Pipeline for drinking water pipeline to be extended further by 1000 m approx.	7.00	7.00
9	Aundhi,Durg	I. Pipeline for drinking water pipeline to be extended further by 1000 m approx.	7.00	7.00
		II. C.C. road to be constructed from Ward No 14 Ward No 20	7.00	8.00
11	Bhilai,Durg	I. One E-rickshaw to be provided facilitate the plantation activities	3.00	3.00
		II. One Power driven portable drilling machine facilitate the plantation activities	1.00	1.00
12	Mahakakhurd, Durg	I. New Bore well fitted with Solar operated pump with storage tank at one place to be provided	5.00	5.68
		II. Four seater Sulabh Shauchalya for men and women to be constructed	14.00	15.48
Total			226.25	233.87

SAIL has submitted an additional budget (based on need based activities) of Rs. 49.41 Crores for the proposed expansion. The details are given below:

SN	Area	Proposed Physical Activities	Nos/Location	1st Year (In Lakhs)	2nd Year (In lakhs)	3rd year (In lakhs)	4th Year (In lakhs)	5th Year (In lakhs)	Total Amount (In Lakhs)
1	Road Infrastructure	Repair of existing paved roads	Dumardih, Pahandor, Pauwara and Ganiyari	50	100	50	50	50	300
		Construction of new paved roads	Dumardih, Pahandor, Pauwara and Ganiyari	100	150	75	75	100	500

SN	Area	Proposed Physical Activities	Nos/Location	1st Year (In Lakhs)	2nd Year (In lakhs)	3rd year (In lakhs)	4th Year (In lakhs)	5th Year (In lakhs)	Total Amount (In Lakhs)
		Drinking water supply	Dumardih, Pahandor & Chikhli	150	150	150	100	50	600
		Assistance in development of pucca house	Dumardih, Pahandor (No of houses to be identified by physical verification. Assumed no of houses - 60)	-	36	36	-	-	72
		Solar based street light	Chikhli, Dhanaura, Sirsa	30	30	-	-	-	60
2	Additional Air pollution control in villages	Installation of mist cannon 5 nos.	Bhilai Basti	70	70	35	-	-	175
		Water sprinkling through tankers		200	-	-	-	-	200
		Development of greenery at village roadside and community plantation		-	20	10	10	10	50
3	MSW Management	Providing colour coded bins for each household and large collection bins (4 nos) at each village	All peripheral villages (24 villages)	7	7	-	-	-	14
	Healthcare	Mobile medical vans (2 nos)	All peripheral villages (24 villages)	-	400	-	-	-	400
	Education	Providing books and computer to school library	All peripheral villages (24 villages) – 30 schools	50	100	100	50	-	300
	Education	Providing sports	All peripheral villages (24	50	100	50	-	-	200

SN	Area	Proposed Physical Activities	Nos/Location	1st Year (In Lakhs)	2nd Year (In lakhs)	3rd year (In lakhs)	4th Year (In lakhs)	5th Year (In lakhs)	Total Amount (In Lakhs)
		equipment to schools	villages) – 30 schools						
4	Vocational training	Vocational training for youth	300 persons	60	60	60	60	60	300
	Women empowerment	Providing sewing machines and training on mushroom cultivation, tailoring, handicrafts	600 women	60	60	60	60	60	300
	Infrastructure	Renovation of village ponds	All peripheral villages (24 villages)	100	200	200	120	100	720
	Social Infrastructure	Improvement of Bhilai Zoo	1	100	150	150	100	100	600
5	Ecology and Biodiversity	Improvement of Biodiversity park	1	30	30	30	30	30	150
		Total		1057	1663	1006	655	56	4941

28.10.16 The capital cost of the proposed project is Rs. 13,268.46 crores and the capital cost for environmental protection measures is proposed as Rs. 647 crores. The annual recurring cost towards the environmental protection measures is proposed as Rs.60 crore. The employment generation from the proposed project is 1,900 (indirect) during construction period. The details of cost for environmental protection measures are as follows:

Sl. No.	EMP Category	CAPEX	OPEX
		Rs. in Lakh	
(i)	Air Pollution Control/Noise Management	28700	2000
(ii)	Water Pollution Control including Conservation and Wastewater Treatment	36000	4000
	Total	64700	6000

28.10.17 Existing greenbelt has been developed in 1823.16 ha which is about 29% of the total project area of 6286.75. As there has been no additional land acquisition, new greenbelt development has not been considered.

28.10.18 It has been reported that following will be resource consumption after the proposed change:

Particulars	As per EC dated 24.05.2019	After proposed change under para 7(ii)	% increase
Land	6286.75 ha	6286.75	0
Greenbelt	1328.16 ha	1328.16	0
Water	12930 m ³ /hr	12930 m ³ /hr	0
Power	468 MW	166 MW	35%
Raw Material	22,024,800 TPA	29,119,682 TPA	32%
Products	6,735,800 TPA	8,020,800 TPA	19%

28.10.19 Pollution Load Assessment

Particulars	As per EC dated 24.05.2019		After proposed change under para 7(ii)		% increase	
Air	Parameter	Estimated controlled emissions (kg/hr)	Parameter	Estimated controlled emissions (kg/hr)	Parameter	Increase (%)
	PM	280.08	PM	315.35	PM	13%
	SO ₂	226.48	SO ₂	270.48	SO ₂	19%
	NO _x	202.03	NO _x	329.63	NO _x	63%
Water	ZLD		ZLD		Not applicable	
Solid and Hazardous waste	Solid Wastes	Estimated Generation (t/yr)	Solid Wastes	Estimated Generation (t/yr)	Solid Wastes	% increase
	BF slag	22,39,800	BF slag	26,28,030	BF slag	17%
	BF sludge	52,500	BF sludge	42,000	BF sludge	-20%
	BF flue Dust	1,20,008	BF flue Dust	1,41,000	BF flue Dust	17%
	SMS/BOF Slag	7,47,000	SMS/BOF Slag	9,13,000	SMS/BOF Slag	22%
	SMS sludge / Dust	1,02,000	SMS sludge / Dust	1,20,940	SMS sludge / Dust	19%
	Fly Ash	15,000	Fly Ash	0	Fly Ash	-100%
Traffic load	PCU load = 550.76 (PCU/hr) LOS "A" (V/C ratio = 0.16)		PCU load = 574.34 (PCU/hr) LOS "A" (V/C ratio = 0.16)		PCU Load increase = 4% No increase in LOS.	

28.10.20 It is reported that there is no violation under EIA, 2006/court case/show cause/direction related to the project under consideration.

Certified compliance report from Regional Office, MoEFCC

28.10.21 The Integrated Regional Office (IRO), MoEF&CC carried out site inspection of the project on 16.09.2025–17.09.2025 and issued the Certified Compliance Report vide F.No. 5-249/09(ENV)/110 dated 28.11.2025. The Project Proponent submitted the Action Taken Report (ATR) on the observations of the Regional Office to MoEF&CC on 19.12.2025. Subsequently, the IRO reviewed the compliance and issued its review report on 27.03.2026. Further Action Taken Report addressing the observations was submitted by the Project Proponent to the IRO on 12.04.2026.

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status
1.	On perusal of the EC letters, it has been observed that the general condition No.(III) (xi) of EC letter dated 24/05/2019 does not permit reuse of treated water in quenching system, which is mutually inconsistent with the specific condition No.(v) of EC letter dated 31/03/2008, where reuse of treated water is permitted for coke quenching. Ministry may examine the same and take appropriate view.	General Condition No.(III)(xi) of the EC letter dated 24/05/2019 does not permit the reuse of treated water from the ETP of the Coke Oven & By-Product Plant (CO&BPP). However, specific Condition No.(v) of the EC letter dated 31/03/2008 permits the use of treated water from the ETP of COCCD for quenching. As advised, BSP will seek the opinion of MoEFCC in this regard.	As on date the practice of utilizing water from ETP (BOD plant) of CO&BPP for coke quenching has been discontinued. Now the entire quantity of water utilized for coke quenching is fresh makeup water from the plant makeup water system. The treated water from ETP of CO&BPP (BOD) is being recycled in various units of the steel plant.	Being complied
2.	Though part of the continuous emission monitoring stations installed to the major stacks are already linked with the server of the CPCB, the remaining stacks should also be linked with the servers of the CPCB and CECB and shall ensure that the stack emissions are within the prescribed limit – Specific condition no (i) and general condition no. (iii)	Reportedly Project Authority has linked the continuous emission monitoring stations installed with the servers of CECB and CPCB. This Office unable to verify the status, using the login credential made available in the reply due to technical issues in the CPCB portal. Details are not made available in the reply regarding total number of existing stacks with the provisions of CEMS and its present status regarding connectivity with the servers of CECB and CPCB. Ministry may seek a self-declaration from the Project Authority regarding the total number of existing stacks with the provisions of CEMS and its connectivity.	Self declaration submitted to MoEFCC	Complied

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status
3	Though the treated water from various process units is being recycled and reused to the extent possible, presently Bhilai Steel Plant is not complied with the ZLD system – Specific condition No.(v).	It has been observed from the reply that the Project Authority has not clarified the ZLD compliance with the details of total quantity of the water being consumed per day for the operation of the Project and the total quantity of wastewater generation per day from the process and installed capacity of the treatment facilities within the Project and quantity of treated water is being completely reused within the Unit without any discharge from the Industrial premise. Instead, Project Authority relied upon the previous review report issued by the Regional Office of MoEFCC at Nagpur in September 2018. Further, Project Authority in their reply has declared that treated wastewater of about 250 to 300 m ³ /hr is being discharged from the plant outlets. Project Authority in their reply submitted that a timeline has been set for a period of four years for completion of the proposed project activities envisaged in their reply, i.e. by 31/03/2029. Presently, there are two separate dedicated water channels (for inlet water and outlet water) are existing in the Project, which are separately	As per Action Taken Report submitted to IRO vide letter no. No. GM I/c (Env.MD)/B-8/2025/, the total quantity of wastewater being discharged as on 19.12.25 was reported to be about 300 m ³ /hr. Subsequent to the above action taken report submitted to IRO, 4 nos. measures were implemented, as a result of which the total discharge from Outfall A, B and C have been reduced to about 160 m ³ /hr. The details of measures undertaken till date for reduction of the discharge with reduction quantity of each mitigation measure along with its geotagged photographs is submitted to IRO. Further 140 m ³ /hr of water being discharged presently shall be reduced by implementation of additional 4 nos. measures which have been planned to be implemented by March 2027.	Compliance in progress

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status
		connected between the Plant Premise and the water reservoir located outside the Plant Premise. In view of the above, this Office does not agree with the claim of the Project Authority in respect of the present compliance regarding Zero Liquid Discharge (ZLD). If it is not feasible to comply the said condition, Project Authority may get appropriate amendment in the EC condition. Ministry may take appropriate view.		
	Sl. No.	Mitigation Measure	Reduction in wastewater discharge (m3/hr)	Target Date
	1	Recycling of Bed Drainage Pump House water of Merchant Mill to Maroda I by laying of 200 m pipeline across billet yard	20	June 2026
	2.	Pumping of Wastewater from Rain water system to clarified water tank of Phenolic water Pump House) by installation of 02 Nos. of pumps . Laying of pipeline of 100 m	40	July 2026
	3	Return water of Air compressors cooling water COB #7 & 8 - Dia. 100 mm pipeline being laid from Compressor house to Return water Manhole of Exhauster House-2.	20	Aug'2026
	4.	Recycle and reuse of excess scale pit process water from WTP-1 A proposal has been taken up for laying an additional pipeline of 1680 mtrs from WTP-1 to the Secondary Settling Tanks (SST) to prevent discharge of excess water currently flowing into the drain. This will require procurement of a DN 500 mm pipeline (approx. 1680 m length). Budgetary provision done. Procurement plan is in progress.	60	March 2027
		Total	140	
4	Though the Project Authority is having the provisions of TOC analysis, provision for	Project Authority has taken necessary corrective action. Perused the supporting	-	Complied

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status																
	continuous monitoring of Total Organic Compounds (TOC) in the ETP of BOD plant is not reflected from the real-time monitored data – specific condition No.(vii)	data furnished along with the reply and it appears that the condition has been complied with.																		
5.	Project Authority shall ensure proper handling and disposal of the legacy slag existing within the project area by following the “Guidelines on Management of Pyrometallurgical Slags” issued by the CPCB in the year 2023 – specific condition No.(viii).	Huge quantity of slag generated from the SMS is being stacked openly within the project area and thus accumulated as legacy slag. Project Authority in their reply submitted that the guidelines issued by CPCB for Management of Pyro-metallurgical Slags – Iron and steel slag are being adhered to for both fresh and legacy slags. However, details are not made available regarding the annual report comprising of slag generation, utilization and storage, submitted to the Regulatory Authorities concerned and time targeted action plan for disposal of the remaining legacy slag existing within the project area. Till such time Project Authority shall ensure adequate storm-water drains are in place to avoid surface run-off from this area to nearby water bodies. Ministry may take appropriate view.	It is planned to evacuate all legacy slag by 2030-31. Sale Orders have been issued to 3 vendors for sale of legacy slag. Garland drains have been provided around the slag storage areas	Compliance in progress																
	<table><tr><th>Year</th><th>Generation</th><th>Recycle/ Reused (A)</th><th>Purpose</th><th>Sold (B)</th><th>Total</th><th>Utilisation (%)</th><th>Final Stock</th></tr><tr><td>2021-22</td><td>522168</td><td>222294</td><td>Internal recycling</td><td>38441</td><td>260736</td><td>49.93</td><td>261432</td></tr></table>	Year	Generation	Recycle/ Reused (A)	Purpose	Sold (B)	Total	Utilisation (%)	Final Stock	2021-22	522168	222294	Internal recycling	38441	260736	49.93	261432			
Year	Generation	Recycle/ Reused (A)	Purpose	Sold (B)	Total	Utilisation (%)	Final Stock													
2021-22	522168	222294	Internal recycling	38441	260736	49.93	261432													

Sl. No	Non- compliances reported if any			Comments of IRO vide review report dated 27.03.2026		Corrective action as per ATR submitted on 12.04.2026		Present status
	2022-23	693723	330986	Internal recycling	38117	369103	53.21	586052
	2023-24	825371	280346	Internal recycling	120460	400118	48.48	1011305
	2024-25	906606	358114	Internal recycling	380696	738809	81.49	1179101
	2025-26	931859	608766	Internal recycling	535729	1144496	122.82	966464
	2026-27	950000	570000	Internal recycling	573293	1143293	120.347	773172
	2027-28	950000	570000	Internal recycling	573293	1143293	120.347	579879
	2028-29	950000	570000	Internal recycling	573293	1143293	120.347	386586
	2029-30	950000	570000	Internal recycling	573293	1143293	120.347	193293
	2030-31	1050000	630000	Internal recycling	613293	1243293	118.409	0
6	Six monthly compliance report for this EC has not been submitted beyond the year 2018 – general condition No.(xii).			Project Authority has taken corrective action and uploaded the six monthly compliance report for the EC letter dated 31/03/2008 on the Parivesh Portal. The condition may be treated as complied with. Project Authority may request MoEF&CC, New Delhi for issuance of consolidated EC, superseding the existing multiple ECs to avoid multiple statutory requirements for the same project.		-		Complied
With reference to the EC letter No.J-11011/28/2007-IA.II(I) dated 24/05/2019								
7.	100 % SMS -Slag utilisation have not been achieved as stipulated in the specific condition No.(iii).			100 % SMS -Slag utilisation have not been achieved as stipulated in the specific condition No.(iii).		As mentioned in Sl no 5 above		Compliance in progress
8.	Though the SMS-1 has already been dismantled, greenbelt development needs to be undertaken in the said dismantled area as stipulated in the specific condition No.(iv).			Project Authority in their reply submitted that the area earmarked for greenbelt development in the specific condition No.(iv) is earmarked for		The area earmarked for greenbelt in old SMS-1 area has been compensated by utilization of 17 acres of land in the area under the ownership		Complied

Sl. No	Non- compliances reported if any	Comments of IRO vide review report dated 27.03.2026	Corrective action as per ATR submitted on 12.04.2026	Present status
		the proposed new Blast Furnace-9 under the planned expansion of BSP. From the reply, it has been observed that the condition has not been complied with rather proposed to use the earmarked area for proposed new expansion project. In such circumstances Project Authority ought to have obtained amendment in the said EC condition. The condition has not been complied with.	of SAIL BSP outside the plant premises.	
9	Project Authority has installed wet gas cleaning systems for BF's & SMS convertors as the Dry Gas Cleaning Plant was not feasible with the present plant gas network and gas volume generation. In this regard, Project Authority is advised to get necessary amendment from the MoEF&CC - General condition B.II(xxii).	Project Authority has installed wet gas cleaning systems for BF's & SMS convertors as the Dry Gas Cleaning Plant was not feasible with the present plant gas network and gas volume generation. In this regard, Project Authority is advised to get necessary amendment from the MoEF&CC - General condition B.II(xxii).	Installation of dry-type systems is not feasible under the present plant gas network.	Amendment Requested in the EC
10	ZLD system is not in place – general condition B.III(v).	This Office does not agree with the claim of the Project Authority in respect of the present compliance regarding Zero Liquid Discharge (ZLD). Presently the condition has not been complied with on account of the observations mentioned above at Sl. No.3. Project Authority may get an amendment in the EC condition. Ministry may take appropriate view.	As mentioned in Sl No 3 above	Under compliance

Written submission by the PP:

28.10.22 During the meeting, based on the deliberations made by the EAC, the project proponent vide letter dated 22.05.2026 & 25.05.2026 through email dated 22.05.2026 & 26.05.2026 submitted the following information:

1. Corrigendum - Revised presentation with corrections.			
2. Further SAIL-BSP has submitted the following commitments.			
S. No.	Issue discussed during presentation	Observations of EAC	Commitment of Bhilai Steel Plant
1	Upward revision of expenditure over the next 5 years under Corporate Environment Responsibility (CER).	The CER expenditure is less with respect to the project cost. BSP shall revise the CER expenditure.	BSP commits to make an expenditure of ₹49.41 Crores under the subject proposal,. The revised plan is updated at relevant para above.
2	Baseline AAQ monitoring data .	PM value is already above the standard. This needs to be addressed.	Consultant Dastur has informed that it was a typographical error and the monitored value was within the prescribed standard. Corrigendum already sent on 22/5/2026.
3	Green belt in the project area.	The proposed expansion should not result in reduction in the green belt area.	No change in green belt area
3. Certified Compliance Report along with Action Taken Report submitted to IRO, Raipur			
4. Observations of IRO on the compliance status of earlier EC, Action taken by BSP & Present Status - Conditions now fully complied			
S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26 and earlier CCR	Present status
1	On perusal of the EC letters, it has been observed that the general condition No.(III) (xi) of EC letter dated 24/05/2019 does not permit reuse of treated water in quenching system, which is mutually inconsistent with the specific condition No.(v) of EC letter dated 31/03/2008, where reuse of treated water is permitted for	General Condition No.(III)(xi) of the EC letter dated 24/05/2019 does not permit the reuse of treated water from the ETP of the Coke Oven & By-Product Plant (COBP). However, specific Condition No.(v) of the EC letter dated 31/03/2008 permits the use of treated water from the ETP of COCCD for quenching. As advised, BSP will seek the opinion of MoEFCC in this regard.	As on date, utilization of treated water from ETP (BOD Plant) of COBP for coke quenching has been discontinued. Treated water is being recycled in various units of the steel plant. Condition complied.

	coke quenching. Ministry may examine the same and take appropriate view.		
2	Though part of the continuous emission monitoring stations installed to the major stacks are already linked with the server of the CPCB, the remaining stacks should also be linked with the servers of the CPCB and CECB and shall ensure that the stack emissions are within the prescribed limit – Specific condition no (i) and general condition no. (iii)	Reportedly Project Authority has linked the continuous emission monitoring stations installed with the servers of CECB and CPCB. This Office unable to verify the status, using the login credential made available in the reply due to technical issues in the CPCB portal. Details are not made available in the reply regarding total number of existing stacks with the provisions of CEMS and its present status regarding connectivity with the servers of CECB and CPCB. Ministry may seek a self-declaration from the Project Authority regarding the total number of existing stacks with the provisions of CEMS and its connectivity.	Self-declaration already submitted to MoEFCC. Condition complied.
3	Though the SMS-1 has already been dismantled, greenbelt development needs to be undertaken in the said dismantled area as stipulated in the specific condition No.(iv).	Project Authority in their reply submitted that the area earmarked for greenbelt development in the specific condition No.(iv) is earmarked for the proposed new Blast Furnace-9 under the planned expansion of BSP. From the reply, it has been observed that the condition has not been complied with rather proposed to use the earmarked area for proposed new expansion project. In such circumstances Project Authority ought to have obtained amendment in the said EC condition. The condition has not been complied with.	The area earmarked for green belt in old SMS-1 area has been compensated through utilization of 17 acres of land under BSP ownership outside the plant premises. Condition complied.

4	Project Authority shall ensure proper handling and disposal of the legacy slag existing within the project area by following the “Guidelines on Management of Pyrometallurgical Slags” issued by the CPCB in the year 2023 – specific condition No.(viii).	Huge quantity of slag generated from the SMS is being stacked openly within the project area and thus accumulated as legacy slag. Project Authority in their reply submitted that the guidelines issued by CPCB for Management of Pyrometallurgical Slags – Iron and steel slag are being adhered to for both fresh and legacy slags. However, details are not made available regarding the annual report comprising of slag generation, utilization and storage, submitted to the Regulatory Authorities concerned and time targeted action plan for disposal of the remaining legacy slag existing within the project area. Till such time Project Authority shall ensure adequate storm-water drains are in place to avoid surface run-off from this area to nearby water bodies. Ministry may take appropriate view	Legacy slag shall be evacuated by 2030-31. Sale Orders issued to three vendors. Garland drains provided around slag storage areas. Details provided in the ATR submitted to IRO, MoEFCC, Raipur and also in the EAC meeting presentation. Presentation already submitted to MoEFCC on 22/5/2026 Under compliance.
Observations of IRO on the compliance status of earlier EC, Action taken by BSP & Present Status - Conditions now Partially complied & action plan for compliance			
S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26	Present status
1	Though the treated water from various process units is being recycled and reused to the extent possible, presently Bhilai Steel Plant is not complied with the ZLD system – Specific condition No.(v).	It has been observed from the reply that the Project Authority has not clarified the ZLD compliance with the details of total quantity of the water being consumed per day for the operation of the Project and the total quantity of wastewater generation per day from the process and installed capacity of the treatment facilities within the Project and quantity of treated water is being completely reused within the Unit without any discharge from the Industrial premise.	As per Action Taken Report submitted to IRO vide letter no. No. GM I/c (Env.MD)/B-8/2025/, the total quantity of wastewater being discharged as on 19.12.25 was reported to be about 300 m3/hr. Subsequent to the above action taken report submitted to IRO, 4 nos. measures were implemented, as a result of which the total discharge from Outfall A, B and C have been reduced to about 160 m3/hr. The details of measures undertaken till

		Instead, Project Authority relied upon the previous review report issued by the Regional Office of MoEFCC at Nagpur in September 2018. Further, Project Authority in their reply has declared that treated wastewater of about 250 to 300 m³/hr is being discharged from the plant outlets. Project Authority in their reply submitted that a timeline has been set for a period of four years for completion of the proposed project activities envisaged in their reply, i.e. by 31/03/2029. Presently, there are two separate dedicated water channels (for inlet water and outlet water) are existing in the Project, which are separately connected between the Plant Premise and the water reservoir located outside the Plant Premise. In view of the above, this Office does not agree with the claim of the Project Authority in respect of the present compliance regarding Zero Liquid Discharge (ZLD). If it is not feasible to comply the said condition, Project Authority may get appropriate amendment in the EC condition. Ministry may take appropriate view.	date for reduction of the discharge with reduction quantity of each mitigation measure along with its geo-tagged photographs is submitted to IRO. Further 140 m³/hr of water being discharged presently shall be reduced by implementation of additional 4 nos. measures which have been planned to be implemented by March 2027. Details provided in the ATR submitted to IRO, MoEFCC, Raipur and also in the EAC meeting presentation. Presentation already submitted to MoEFCC on 22/5/2026 Under compliance.
Observations of IRO on the compliance status of earlier EC, Action taken by BSP & Present Status - Conditions ----- Request for Amendment in EC			
S.no	Non-compliances reported if any	Comments of IRO vide review report dated 27.03.26	Present status
1	Project Authority shall ensure proper handling and disposal of the legacy slag existing within the project area by	Huge quantity of slag generated from the SMS is being stacked openly within the project area and thus accumulated as legacy slag. Project Authority in their	Installation of dry-type systems is not feasible under the present plant gas network configuration.

following the “Guidelines on Management of Pyrometallurgical Slags” issued by the CPCB in the year 2023 – specific condition No.(viii).	reply submitted that the guidelines issued by CPCB for Management of Pyrometallurgical Slags – Iron and steel slag are being adhered to for both fresh and legacy slags. However, details are not made available regarding the annual report comprising of slag generation, utilization and storage, submitted to the Regulatory Authorities concerned and time targeted action plan for disposal of the remaining legacy slag existing within the project area. Till such time Project Authority shall ensure adequate storm-water drains are in place to avoid surface run-off from this area to nearby water bodies. Ministry may take appropriate view.	BSP requests EAC to kindly consider issue of amendment in the EC condition. Request letter for amendment in EC already submitted on 26/5/2026 through email.

5. During the discussions, BSP has also requested the EAC to consider the following amendment against one of the conditions stipulated in the existing EC (Reference-3). The details of the same and the amendment required are given below:

Condition under Existing EC (Dtd 24th May,2019)	Observation of IRO, in the report dtd 28/11/2025 submitted to MoEFCC	Current situation as informed by BSP during EAC meeting	Amendment Proposed
General condition B.II(xxii). The project proponent shall install Dry Gas Cleaning Plant with bag filter for Blast Furnace and-SMS convertor- (to be decided on case to case basis depending on type and size of plant)	Project Authority has installed wet gas cleaning systems for BF&S SMS convertors as the Dry Gas Cleaning Plant was not feasible with the present plant gas network and gas volume generation. In this regard, Project Authority is advised to get necessary amendment from the MoEF&CC - General condition B.II(xxii).	Installation of dry-type systems is not feasible under the present plant gas network.	The Project Proponent shall decide on case to case basis to install either Dry-type Gas Cleaning Plant or Wet-type Gas Cleaning Plant for Blast Furnace and SMS Convertor depending on feasibility, type and size of plant.

Deliberations by the Committee

28.10.23 The Committee noted the following:

1. The instant proposal is for expansion from 7.5 MTPA Hot Metal to 8.8 MTPA, 7.0 MTPA Crude Steel to 8.3 MTPA and from 6.3 MTPA Finished Steel to 7.55 MTPA under the provisions of para 7(ii) of the EIA Notification, 2006.
2. The EAC deliberated on the justification provided by the Project Proponent for appraisal of instant proposal under para 7(ii) of EIA Notification, 2006 in pursuance to the Ministry's O.M. dated 11.04.2022 and found it satisfactory. Further, since PP has prepared the Addendum EIA/EMP for seeking upto 20% expansion in production capacity, and considering the provisions mentioned in the O.M. dated 11.04.2022, **the EAC agreed to apprise the proposal for expansion from 7.5 MTPA Hot Metal to 8.8 MTPA (17.33%), 7.0 MTPA Crude Steel to 8.3 MTPA (18.57%) and from 6.3 MTPA Finished Steel to 7.55 MTPA (19.84%) in the instant case.**
3. The existing Bhilai Steel Plant (BSP) was initially granted Environmental Clearance vide File No. IAJ-11011/28/2007-IA.II(I) dated 31.03.2008 for modernization-cum-expansion from 4 MTPA to 7 MTPA crude steel capacity along with a captive power plant. The EC was subsequently amended on 23.06.2011, and its validity was extended up to 30.03.2018 vide MoEF&CC letter dated 05.07.2013. Further amendments to the EC were issued on 23.07.2014 and 15.01.2018. Thereafter, EC for revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant was granted vide letter dated 24.05.2019 followed by subsequent amendment in 28.04.2022. Consent to Operate for the existing unit was accorded by Chhattisgarh Environment Conservation Board vide Ir. No. 4665/TS/CECB/2025 dated 25.07.2025. The validity of CTO is up to 31.07.2026.
4. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
5. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is an expansion proposal applied under Para 7(ii)(a). Accordingly, it reviewed the mitigation measures proposed by the PP w.r.t. the proposed site and nearby sensitive receptors, and found the same as adequate. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.

8. The project area of SAIL-BSP is 3284.75 ha. SAIL-BSP is having total 6286.75 ha (15534 acre) of land under its possession. No additional land will be required for the proposed enhancement.
9. Nearest major town is Bhilai along with other sensitive areas within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
11. Tandula canal inside the plant boundary. NOC with respect to Tandula canal was obtained from WRD vide Memo no. 329/TS/2026 dated 09.03.2026. Shivnath River is in the northwest direction along with other water bodies within study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
12. Existing water requirement is 3,68,500 m³/day which is being obtained from the Chhattisgarh Water Resource Department through Tandula Canal. The additional water requirement for the proposed project is estimated as 21,840 m³/day (excluding drinking and sanitation purpose) and will be obtained from the Chhattisgarh Water Resource Department through Tandula Canal from the existing allocation. The EAC opined that the PP secure the required approval from the appropriate authority, as applicable.
13. The Committee deliberated upon the baseline environmental data and the incremental pollution load arising due to the proposed 20% capacity expansion, including detailed assessment of air, water, solid, and hazardous waste pollution loads. The Committee noted that emissions of PM, SO₂ and NO_x are expected to increase marginally (about 13%, 19% and 63% respectively); however, the resultant emission levels remain within prescribed limits and are proposed to be adequately controlled through existing and enhanced pollution control systems. It was further observed that there is no additional wastewater generation and the project will continue to operate under zero liquid discharge (ZLD). With respect to solid and hazardous waste, the Committee noted that while certain wastes such as BF slag, dust and SMS/BOF slag show moderate increase, others such as BF flue dust and fly ash show reduction or complete utilization, and all wastes are proposed to be managed through recycling, reuse and authorized disposal in compliance with applicable rules. The Committee also noted a marginal increase in traffic load without any change in level of service (LOS). Accordingly, the EAC found the environmental impacts to be manageable and satisfactory for appraisal of the instant proposal under para 7(ii) of the EIA Notification, 2006.
14. It is reported that there is presence of twenty Schedule-I species as reported in the study area which includes six mammals, five reptiles and nine birds as per the Wild Life (Protection) Amendment Act, 2022. A robust wildlife conservation plan for Schedule-1 species has been

prepared and submitted to the office of Principal Chief Conservator of Forests (PCCF)/, Chhatisgarh on 06.04.2026. Total budget for implementation of WCP (5 Years) is about Rs. 48 Lakhs in accordance with Plan. The EAC opined that the recommendations of the approved plan shall be ensured to be strictly implemented in coordination with the State Forest Department.

15. The Committee noted that the public hearing for the existing project was conducted on 8th June, 2018 at Nehru Sanskritik Bhavan, Sector-I, Bhilai Nagar, Tehsil Durg-Bhilai, District Durg (C.G.), and the project was subsequently accorded Environmental Clearance. The Committee further took cognisance of the CER Action Plan prepared in accordance with the Ministry's Office Memorandum dated 30.09.2020, wherein an amount of Rs. 2.26 crore was earmarked for Corporate Environment Responsibility (CER) activities. The Committee noted that the Project Proponent has undertaken various need-based activities in consultation with local authorities, covering infrastructure development, drinking water supply, sanitation, health care, and community welfare in nearby villages such as Selud and Khapri. It was further observed that the proponent has incurred an expenditure of Rs. 2.34 Crores, which is higher than the committed amount. After detailed deliberation, the Committee found the implementation of CER activities and the additional need-based action plan of Rs. 49.41 Crores to be satisfactory and took the same on record.
16. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.
17. PP reported that existing greenbelt has been developed in 1823.16 ha which is about 29% of the total project area of 6286.75. The EAC opined that greenbelt shall be developed in 33% of the project area as per the condition stipulated in earlier EC and further maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.
18. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
19. The Committee deliberated on the Certified Compliance Report and subsequent review carried out by the Integrated Regional Office (IRO), MoEF&CC. The Committee noted that the IRO conducted site inspection on 16.09.2025–17.09.2025 and issued the Certified Compliance Report on 28.11.2025, followed by submission of Action Taken Report (ATR) by the Project Proponent and a subsequent review report dated 27.03.2026. The Committee further noted that most of the observations raised by the IRO have been addressed and complied with by the Project Proponent, including installation and connectivity of monitoring systems, submission of compliance reports, and corrective measures in process operations. However, certain issues such as full compliance of Zero Liquid Discharge (ZLD), management and disposal of legacy slag, are under implementation with defined timelines. The Committee also noted that the Project Proponent has undertaken and proposed additional mitigation measures, particularly for reduction of wastewater discharge with time-bound targets extending up to March 2027, and

has committed to achieving full compliance. After detailed deliberation, the Committee found the overall compliance status to be satisfactory for appraisal, subject to continued implementation of the remaining measures in a time-bound manner and submission of compliance status to the IRO, MoEF&CC.

20. The Committee deliberated on the request of the Project Proponent for amendment in the earlier EC condition in light of the observations made by the Integrated Regional Office (IRO), MoEF&CC regarding installation of Dry Gas Cleaning Plant (DGCP) for Blast Furnace and SMS. The Committee noted that the Project Proponent has submitted that installation of dry-type gas cleaning system is not feasible under the existing plant configuration and gas network, and has proposed consideration of appropriate amendment in the EC condition. The Committee also took cognisance of the observations of the IRO recommending that the Project Proponent may obtain suitable amendment from the Ministry. After detailed deliberation, the Committee opined that while site-specific technical constraints may be considered, the Project Proponent shall adopt the best available and feasible technology for gas cleaning to ensure compliance with prescribed emission norms. The Committee further emphasized that the decision regarding amendment of the condition may be considered ensuring that environmental performance is not compromised.
21. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.
22. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
23. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
24. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

- 28.10.24 In view of the foregoing and after detailed deliberations, the committee **recommended** the instant proposal **subject to uploading of written submission on PARIVESH portal** for grant of Environment Clearance under the provisions of para 7(ii) of EIA Notification, 2006 **for the proposed 20% expansion from 7.5 MTPA Hot Metal to 8.8 MTPA (17.33%), 7.0 MTPA Crude**

Steel to 8.3 MTPA (18.57%) and from 6.3 MTPA Finished Steel to 7.55 MTPA (19.84%) along with amendment in the condition related to Dry Gas Cleaning Plant (DGCP) subject to the stipulation of following specific conditions and general conditions based on project specific requirements. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions are mentioned below:

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. Nearest major town is Bhilai along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
- v. Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.
- vi. Tandula canal is inside the plant boundary. Project Proponent shall strictly comply with all conditions stipulated in the NOC issued by the Water Resources Department vide Memo no. 329/TS/2026 dated 09.03.2026 and implement the recommended measures.
- vii. Shivnath River is in the northwest direction along with other water bodies within study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- viii. Existing water requirement is 3,68,500 m³/day which is being obtained from the Chhattisgarh Water Resource Department through Tandula Canal. The additional water requirement for the proposed project is estimated as 21,840 m³/day (excluding drinking and sanitation purpose) and will be obtained from the Chhattisgarh Water Resource Department through Tandula

- Canal from the existing allocation. PP shall secure the required approval from the appropriate authority, as applicable.
- ix. Green Belt shall be developed 33% of the project area and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
 - x. The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (<https://merilife.nic.in>)
 - xi. All the commitments made towards socio-economic development of the nearby villages during appraisal shall be satisfactorily implemented. The action plan with budgetary allocation of Rs. 49.41 Crores shall be implemented in accordance to the Ministry's OM dated 30.09.2020 and and progress shall be submitted to the Regional Office of MoEF&CC.
 - xii. PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
 - xiii. PP shall ensure full compliance with all observations of the Integrated Regional Office (IRO), MoEF&CC, including those pending at the time of appraisal, particularly with respect to achieving Zero Liquid Discharge (ZLD), scientific management and disposal of legacy slag. All remaining measures shall be implemented in a time-bound manner, as committed, including wastewater reduction targets up to March 2027. The Project Proponent shall submit periodic compliance reports to the Integrated Regional Office (IRO), MoEF&CC, and any non-compliance observed shall be addressed promptly with corrective measures to the satisfaction of the regulatory authorities.
 - xiv. The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.
 - xv. PP shall Install CO sensors with alarms at strategic locations in the Plant.
 - xvi. PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored and reported to RO MoEFCC on regular basis through the self compliance reporting mechanism.
 - xvii. PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported

- xviii. The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
- xix. The project proponent shall implement training and awareness programmes on natural/organic farming in consultation with the local Gram Panchayat, including distribution of quality seeds, promotion of organic farming practices, and facilitation of linkages for procurement of organic inputs, as committed. The activities shall be carried out in a structured and time-bound manner with measurable outcomes.
- xx. The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xxi. PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
- xxii. PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
- xxiii. In modification of the condition stipulated in the earlier Environmental Clearance, the Project Proponent shall adopt either Dry-type or Wet-type Gas Cleaning Plant for the Blast Furnace and SMS Converter, based on site-specific feasibility, plant configuration, and capacity, ensuring compliance with prescribed emission standards.
- xxiv. The particulate matter emissions from the proposed new process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems

- from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
 - iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
 - v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
 - vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
 - vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
 - viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
 - ix. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
 - x. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
 - xi. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
 - xii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
 - xiii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
 - xiv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
 - xv. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
 - xvi. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.

- xvii. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xviii. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
- xix. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xx. Low NO_x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time
- x. The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
- xi. Treated water from ETP of COBP shall not be used for coke quenching.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- iii. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

V. Energy Conservation measures

- i. Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
- ii. Restrict Gas flaring to < 1%.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- iv. Provide LED lights in their offices and residential areas.
- v. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- vi. Practice hot charging of slabs and billets/blooms as far as possible.
- vii. Ensure installation of regenerative type burners on all reheating furnaces.
- viii. Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
- ix. Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. Solid waste utilization

- a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
- b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
- c. Used refractories shall be recycled as far as possible.
- vii. SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
- viii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
- ix. Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
- x. In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.
- xi. Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility

(CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Agenda No. 28.11

28.11 Expansion of Steel Plant – DRI Kilns (Sponge Iron from 1,20,000 TPA to 6,48,000 TPA), Induction Furnaces along with CCM & LRF (Hot Billets / Billets / Ingots from 1,23,500 TPA to 4,53,000TPA), Rolling Mills (TMT bars / Structural Steel / Wire Rod Mill with HB Wire cooled Roll & Strip Mill with Pipe Mill) (85% Hot charging with Hot Billets and remaining 15% through RHF with LDO as fuel from 94,800 TPA to 5,30,400 TPA), WHRB based Power Plant from 8 MW to 44 MW, FBC based Power Plant from 4 MW to 54 MW, Brick Manufacturing unit from 80,000 Brick /day to 1,50,000 Bricks/ day, New 2 x 9 MVA& 4 x 6 MVA Ferro Alloys (FeSi - 38900 TPA or FeMn- 1,40,000 TPA or SiMn–80,000 TPA or FeCr- 83,500 TPA or Pig Iron-1,40,000 TPA), New Briquetting Unit (1000 Kg/hr.) & New Coal washery unit (6,00,000 TPA) by M/s. Shree Rupanadham Steel Private Limited, located at Village: Saraipali, Tehsil: Tamnar, District: Raigarh, Chhattisgarh- Re-Consideration of EC.

[Proposal no.: IA/CG/IND1/538005/2025; File No. IA-J-11011/308/2009-IA-II (Ind-I)]

[Consultant: Pioneer Enviro Consultants Pvt Ltd; Valid upto: 21.09.2028]

28.11.1 M/s. Shree Rupanadham Steel Pvt. Ltd. has made an online application vide proposal no. IA/CG/IND1/538005/2025 dated 18.10.2025 along with copy of EIA report and Forms (Part A, B

and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S. No. 3(a) Metallurgical Industries (Ferrous & Nonferrous) 1(d) Thermal Power Plants under Category 'A' of the schedule of the EIA Notification, 2006 and being appraised at the Central Level.

- 28.11.2 Name of the EIA consultant: M/s. Pioneer Enviro Consultants Pvt. Ltd. [List of ACOs with their Certificate / Extension Letter No: NABET/EIA/25-28/RA 0456; valid upto 21.09.2028].

Details submitted by Project proponent

- 28.11.3 The details of the ToR are furnished as below:

Date of application	Consideration	Details	Date of accord	ToR Validity
16.11.2021	Standard ToR issued	Terms of Reference	24.11.2021	23.11.2025

- 28.11.4 The project of M/s. Shree Rupanadham Steel Private Limited, located at Village: Saraipali, Tehsil: Tamnar, District: Raigarh, Chhattisgarh is for expansion of Steel Plant – DRI Kilns (Sponge Iron from 1,20,000 TPA to 6,48,000 TPA), Induction Furnaces along with CCM & LRF (Hot Billets / Billets / Ingots from 1,23,500 TPA to 4,53,000TPA), Rolling Mills (TMT bars / Structural Steel / Wire Rod Mill with HB Wire cooled Roll & Strip Mill with Pipe Mill) (85% Hot charging with Hot Billets and remaining 15% through RHF with LDO as fuel from 94,800 TPA to 5,30,400 TPA), WHRB based Power Plant from 8 MW to 44 MW, FBC based Power Plant from 4 MW to 54 MW, Brick Manufacturing unit from 80,000 Brick /day to 1,50,000 Bricks/ day, New 2 x 9 MVA& 4 x 6 MVA Ferro Alloys (FeSi - 38900 TPA or FeMn- 1,40,000 TPA or SiMn-80,000 TPA or FeCr- 83,500 TPA or Pig Iron-1,40,000 TPA), New Briquetting Unit (1000 Kg/hr.) & New Coal washery unit (6,00,000 TPA).

- 28.11.5 Details of EDS:

S.No.	EDS point	Reply
1.	It is reported that the proposed expansion proposal involves additional land. PP shall demarcate the boundaries of existing and additional land in the kml file separately in different colors.	Google Earth map showing existing and additional land clearly demarcating boundaries is uploaded in Parivesh Portal.
2.	It is observed that the EC was granted on 29.03.2011, inter alia, for Sponge Iron production with a capacity of 90,000 TPA (3 × 100 TPD). However, the Consent to Operate (CTO) reflects a higher Sponge Iron production capacity of 120,000 TPA (4 × 100 TPD), indicating a discrepancy between the approved and operated capacity. Furthermore, in the instant proposal, the project proponent has also sought an expansion of the DRI kilns, proposing to increase the Sponge Iron production capacity from 120,000 TPA to 648,000 TPA, whereas the EC capacity was 90,000 TPA. In view of this, the PP is	We submit that we have obtained No Increase in Pollution Load (NIPL) certificate under 7(ii)c of EIA notification, 2006 from CECB for additional 30,000 TPA of Sponge Iron (i.e. Increase in production capacity from 90,000 TPA to 1,20,000 TPA), WHRB Power plant – 2 MW (i.e. from 6 MW to 8 MW) & Brick Manufacturing capacity – 80,000 Bricks/day vide CECB letter no. 6313/TS/HO/CECB/2020 dt. 19 th October 2020 based on MOEF&CC Notification S.O. 236 (E) for NIPL vide dated 16-01-2020.

S.No.	EDS point	Reply
	requested to submit a detailed justification for the existing capacity reflected in the CTO, along with relevant documents or approvals permitting the increase beyond the EC-sanctioned limit.	
3.	The land documents submitted by the project proponent reflect a lesser land than the total land area mentioned for the project. In this regard, the PP is requested to provide a clarification and submit the complete set of land documents corresponding to the entire project area. The documents should be duly translated into English and notarized. The information may be submitted in compliance to the OM dated 07-10-2014, as amended.	Existing plant land - 11.141 Ha. Additional land - 21.749 Ha. Total land after exp. - 32.890 Ha. Land document duly translated is uploaded in Parivesh Portal.
4.	The PP needs to submit the details of activities/ECs/CTEs/CTOs in tabular form showing its details of ECs/CTEs/CTO vis-à-vis production capacity since grant of CTE/CTO to check the violation, if any. All old CTEs/CTOs/ HW Authorization to be uploaded to verify the violation, if any.	Details of activities/ECs/CTEs/CTOs in tabular form showing its details of ECs/CTEs/CTO vis-à-vis production capacity are uploaded in Parivesh Portal. We hereby confirm that all approvals have been taken on time and production capacities have never been exceeded till date. Hence, no violation is committed by the company.
5.	Details of court case, directions issued by SPCB, if any, pending needs to be submitted.	No court case, directions issued by SPCB on the project.
6.	PP shall also upload proposal presentation, water permission, SOI Toposheet, authorization letter in the name of the applicant etc. which are essential for consideration of proposal.	EC presentation is uploaded in Parivesh Portal. <u>Water Permission details:</u> - Water required in the existing operating plant & permitted capacity is 645 KLD and same being sourced from Ground water source. Water permission for existing operating plant is obtained vide NOC no. CGWA/NOC/IND/REN/2/2024/9320 and same is valid till 11.04.2027. - Water required for the proposed expansion project will be 3170 KLD and same will be sourced from Bardeh Jharna Nallah. - Total water requirement after the proposed expansion will be 3815KLD. - Application has been submitted to Water Resource Department, Chhattisgarh for drawl of water from Bardeh Jharna Nallah and same is under process. - MOU has been signed with Govt. of Chhattisgarh. As part of MOU water allocation is assured for the project.

S.No.	EDS point	Reply
		SOI Topo sheet is duly uploaded in the Parivesh Portal. Authorization letter is uploaded in the Parivesh Portal.
7.	PP was required to comply with the provisions of OM dated 08-06-2022 and submit the reason for obtaining CCR from SPCB rather than RO MoEFCC. Else, a CCR be obtained from RO MOEFCC.	• We would like to inform your goodselves that we have submitted a request letter to IRO, MoEF&CC, Raipur for issue of CCR vide dt 16.04.2022. • Subsequently, Project site has been visited by Regional Office and issued us the CCR with few NCs on 21.07.2022. • Later we have submitted Action Taken Report to IRO, MoEF&CC, Raipur on 11.04.2023. • However, even after 143 days, we did not receive any response from IRO, MOEF&CC. Hence we approached Chhattisgarh Environment Conservation Board (CECB) for issue of CCR and submitted a request letter on 01.09.2023. • Site inspection was held on 07.01.2025. • As per CCR all the conditions have been complied.

28.11.6 Environmental Site Settings:

S.No.	Particulars	Details	Remarks						
1.	Total land	Total land 32.890 Ha. (Existing plant land – 11.141 Ha. + Proposed Additional land – 21.749 Ha.)	---						
2.	Land acquisition details as per MoEF&CC O.M. dated October 2014	Total land envisaged for the project including expansion is 32.890 Ha. [Existing plant land – 11.141 Ha. & Proposed Additional land – 21.749 Ha.] . Out of this 20.926 Ha. is registered in the name of the company & remaining land of 11.964 Ha. is in the name of sister concern company & Director for which 99 years long term Lease deed has been executed.	---						
3.	Existence of habitation & involvement of R&R, if any.	Project site: No habitation exists in the plant site. Study area : <table border="1"><thead><tr><th>Habitation</th><th>Distance</th><th>Direction</th></tr></thead><tbody><tr><td>Barpali</td><td>0.50 Kms.</td><td>NW</td></tr></tbody></table> There is no rehabilitation and resettlement issue, as there are no habitations present in the additional land	Habitation	Distance	Direction	Barpali	0.50 Kms.	NW	---
Habitation	Distance	Direction							
Barpali	0.50 Kms.	NW							
4.	Latitude and Longitude of the project site	The Coordinates of the project site are following:	---						

S.No.	Particulars	Details		Remarks																									
		<table><tr><th>Point</th><th>Coordinates</th></tr><tr><td>Point # 1</td><td>22° 1'38.96"N 83°18'42.69"E</td></tr><tr><td>Point # 2</td><td>22° 1'27.30"N 83°18'43.65"E</td></tr><tr><td>Point # 3</td><td>22° 1'22.74"N 83°18'39.50"E</td></tr><tr><td>Point # 4</td><td>22° 1'16.93"N 83°18'31.25"E</td></tr><tr><td>Point # 5</td><td>22° 1'22.31"N 83°18'25.05"E</td></tr><tr><td>Point # 6</td><td>22° 1'27.81"N 83°18'20.78"E</td></tr><tr><td>Point # 7</td><td>22° 1'41.42"N 83°18'23.24"E</td></tr></table>	Point	Coordinates	Point # 1	22° 1'38.96"N 83°18'42.69"E	Point # 2	22° 1'27.30"N 83°18'43.65"E	Point # 3	22° 1'22.74"N 83°18'39.50"E	Point # 4	22° 1'16.93"N 83°18'31.25"E	Point # 5	22° 1'22.31"N 83°18'25.05"E	Point # 6	22° 1'27.81"N 83°18'20.78"E	Point # 7	22° 1'41.42"N 83°18'23.24"E											
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Point # 7	22° 1'41.42"N 83°18'23.24"E																												
5.	Elevation of the project site	312 to 322 m above MSL		--																									
6.	Involvement of Forest Land, if any	Not applicable as no Forest land is involved in the 32.890 Ha. of land .																											
7.	Water body exists within the project site as well as study area	Project Site : <table><tr><th>Water Body</th><th>Distance</th></tr><tr><td>NA</td><td>NA</td></tr></table> Study area: <table><tr><th>Water Body</th><th>Distance (Kms.)</th><th>Direction</th></tr><tr><td>Bardeh Jharna Nallah</td><td>1.6</td><td>W</td></tr><tr><td>Kelo River</td><td>8.0</td><td>E</td></tr><tr><td>Kurket River</td><td>7.0</td><td>NW</td></tr><tr><td>Gerwani Nallah</td><td>3.2</td><td>NE</td></tr><tr><td>Korapali Nallah</td><td>1.5</td><td>N</td></tr><tr><td>Dewanmunda Nallah</td><td>2.5</td><td>NE</td></tr></table>		Water Body	Distance	NA	NA	Water Body	Distance (Kms.)	Direction	Bardeh Jharna Nallah	1.6	W	Kelo River	8.0	E	Kurket River	7.0	NW	Gerwani Nallah	3.2	NE	Korapali Nallah	1.5	N	Dewanmunda Nallah	2.5	NE	----
Water Body	Distance																												
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Kurket River	7.0	NW																											
Gerwani Nallah	3.2	NE																											
Korapali Nallah	1.5	N																											
Dewanmunda Nallah	2.5	NE																											
8.	Existence of ESZ / ESA / National Park / Wildlife Sanctuary / Biosphere Reserve / Tiger Reserve / Elephant Reserve etc. if any within the study area	No ESZ / ESA / National Park / Wildlife Sanctuary / Biosphere Reserve / Tiger Reserve exist within 10 Km. radius of the project site. <table><tr><th>Name</th><th>Distance</th></tr><tr><td>Nil</td><td>---</td></tr></table> Status of NBWL approval: Not applicable List of Reserved and Protected Forests: <table><tr><th>Name</th><th>Distance (Kms.)</th><th>Direction</th></tr></table>		Name	Distance	Nil	---	Name	Distance (Kms.)	Direction	There are no notified National Park/ Wild life sanctuary / Biosphere reserve / Tiger Reserve with in 10 Km. radius of the plant. • Movement of elephants observed within 10 Km. radius of the plant site.																		
Name	Distance																												
Nil	---																												
Name	Distance (Kms.)	Direction																											

S.No.	Particulars	Details			Remarks
		Urdana RF	1.20	S	- Wildlife Conservation and Management Plan has been prepared for conservation of schedule – 1 fauna and submitted to PCCF. - Subsequently PCCF has approved the conservation plan with a budget of Rs. 17.06 Lakhs to be spent over a period of 5 years. - The following Schedule-1 fauna exist in the area : - Indian monitor lizard (<i>Varanus benglensis</i>) - Indian peafowl (<i>Pavo cristatus</i>) - Sloth bear (<i>Melursus ursinus</i>) - Pangolin (<i>Manis crassicaudata</i>) - Elephant (<i>Elephas maximus</i>)
		Taraimal RF	0.60	N	
		Rabo RF	0.68	SW	
		Samaruma RF	6.00	NNE	
		Barkachhar PF	8.80	E	
		Khardungari PF	8.40	SEE	
		Punjipathra PF	6.00	NE	
		Pajhar PF	8.00	NE	

28.11.7 The existing project was initially accorded Consent to establish vide D.No.153/RO/TS/CECB/2008 Raigarh Dt. 16.05.2008 for MS Ingots (33,500 TPA) and TMT Bar (4,800 TPA). Thereafter, EC was granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 29/03/2011 for expansion including Sponge Iron (90,000 TPA), MS Billets (33,500 TPA to 1,23,500 TPA), TMT Bars/Structural Steels/Wire Rod Mill (4,800 TPA to 94,800 TPA), along with WHRB Power Plant (6.0 MW) and FBC Power Plant (12 MW). Further, Extension of EC validity (upto 28/03/2021 for unimplemented units) and Amendment in EC (Break up FBC Power Plant from 1 x 12 MW to 1 x 4 MW & 1 x 8 MW) was granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 09/07/2018. PP further obtained No Increase in Pollution Load” certificate under section 7(ii)c vide letter no. 6172/TS/CECB/2020 dt. 13/10/2020 for additional 30,000 TPA Sponge Iron production capacity. CTE (under NIPL) obtained vide letter no. 6313/TS/HO/CECB/2020 dated 19/10/2020 for Additional Sponge Iron capacity of 30,000 TPA (Kiln #4), along with WHRB (2 MW) and Brick Plant (80,000 bricks/day). The latest CTO granted vide letter no. 11977/TS/CECB/2025 Naya Raipur dt. 19/03/2025 for Sponge Iron 120000 TPA, MS Billets / Ingots – 1,23,500 TPA, Rolling Mill (Hot Charging) – 94,800 TPA, WHRB Power Plant – 6.0 MW, FBC Power Plant – 4.0 MW.

28.11.8 **Implementation status of the existing EC/CTE:**

S.No.	EC / CTE / Amendment to CTE / NIPL / CTO	Units permitted	Units implemented (as per CTO / Amendment to CTO)	Date of 1 st CTO obtained from CECB
1.	Consent issued vide D.No.153/RO/TS/C ECB/2008 Raigarh Dt. 16.05.2008	• MS Ingots – 33,5009 TPA • TMT Bar – 4,800 TPA	--	--
2.	Consent issued vide D.No.159/RO/TS/C ECB/2010 Raigarh Dt. 24/04/2010	• MS Ingots – 33,500 TPA • TMT Bar – 4,800 TPA	MS Ingots – 16,750 TPA	1 st CTO granted vide letter no. 1109/RO/TS/CE CB/2011 Raigarh Dt. 28/11/2011 for MS Ingots – 16,750 TPA
3.	EC granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 29/03/2011	• Sponge Iron – 90,000 TPA • MS Billets 33,500 TPA to 1,23,500 TPA • TMT Bars / Structural Steels / Wire rod mill – 4,800 TPA to 94,800 TPA • WHRB Power Plant – 6.0 MW • FBC Power Plant – 12 MW	--	--
4.	CTE granted vide letter no. 4291/TS/CECB/2014 dt. 21/10/2014	• Sponge Iron – 90,000 TPA • MS Billets 33,500 TPA to 1,23,500 TPA • TMT Bars / Structural Steels / Wire rod mill – 4,800 TPA to 94,800 TPA • WHRB Power Plant – 6.0 MW • FBC Power Plant – 12.0 MW	• Sponge Iron – 60,000 TPA (Kiln # 1 & 2)	1 st CTO granted vide letter no. 3662/TS/CECB/2018 Naya Raipur dt. 30/07/2018 for Sponge iron – 60,000 TPA along with MS Billets – 16,750 TPA

5.	Extension of EC validity and Amendment in EC granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 09/07/2018	• EC validity was extended up to 28/03/2021 for unimplemented units • Break up FBC Power Plant from 1 x 12 MW to 1 x 4 MW & 1 x 8 MW	---	---
6.	Grant of “No Increase in Pollution Load” certificate issued under section 7(ii)c vide letter no. 6172/TS/CECB/2020 dt. 13/10/2020	• 30,000 TPA Sponge Iron additional production capacity	---	---
7.	CTE (under NIPL) granted vide letter no. 6313/TS/HO/CECB/2020 dt. 19/10/2020	• 30,000 TPA Sponge Iron additional production capacity (Kiln # 4) • WHRB – 2 MW • Brick plant- 80,000 bricks/day	---	---
8.	CTO	---	• Sponge Iron – 30,000 TPA (Kiln # 3)	1 st CTO granted vide letter no. 224/TS/CECB/2021 Naya Raipur dt. 04/05/2021 for Sponge iron – 90,000 TPA along with MS Billets – 16,750 TPA
9.	CTO	---	• WHRB Power Plant – 6.0 MW • FBC Power Plant – 4.0 MW • MS Billets / Ingots – 1,23,500 TPA	1 st CTO granted vide letter no. 8709/TS/CECB/2022 Naya Raipur dt. 28/02/2022 for WHRB Power Plant – 6.0 MW, FBC Power Plant – 4.0 MW, MS Billets / Ingots – 1,23,500 TPA along with Sponge iron – 90,000 TPA

10.	CTO	---	• Sponge Iron – 30000 TPA (Kiln # 4)	1 st CTO granted vide letter no. 4630/TS/CECB/2022 Naya Raipur dt. 06/10/2022 for Sponge Iron 30000 TPA (Kiln # 4) along with Sponge iron – 90,000 TPA, MS Billets / Ingots – 1,23,500 TPA, WHRB Power Plant – 6.0 MW, FBC Power Plant – 4.0 MW
11.	CTO	TMT Bars / Structural Steels / Wire rod mill – 94,800 TPA	TMT Bars / Structural Steels / Wire rod mill – 94,800 TPA	1 st CTO granted vide letter no. 10318/TS/CECB/2024 Naya Raipur dt. 21/03/2024 for Rolling Mill (Hot Charging) – 94,800 TPA along with Sponge Iron 1,20,000 TPA, MS Billets / Ingots – 1,23,500 TPA, WHRB Power Plant – 6.0 MW, FBC Power Plant – 4.0 MW
12.	CTO	---	---	Current CTO granted vide letter no. 11977/TS/CECB/2025 Naya Raipur dt. 19/03/2025 for Sponge Iron 120000 TPA, MS Billets / Ingots – 1,23,500 TPA, Rolling Mill (Hot Charging) – 94,800 TPA, WHRB Power Plant – 6.0 MW, FBC Power Plant – 4.0 MW

				and same is valid till 28/02/2027

28.11.9 The unit configuration and capacity of existing and proposed project is given as below:

S.No.	Units (Products)	Permitted capacity as per EC dt.29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NIPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
1.	DRI Kilns (Sponge Iron)	3 x 100 TPD (90,000 TPA)	1 x 100 TPD (30,000 TPA)	4 x 100 TPD (1,20,000 TPA) (In Operation)	1 x 200 TPD & 4 x 350 TPD (5,28,000 TPA)	4 x 100 TPD, 1 x 200 TPD & 4 x 350 TPD (6,48,000 TPA)
2.	Induction Furnaces with CCM (Hot Billets/ Billets / Ingots)	1,23,500 TPA	---	1,23,500 TPA (In Operation)	4 x 25 T (with 30 T LRF) (3,30,000 TPA)	4,53,300 TPA
3.	Rolling Mills (TMT bars / Structural Steel / Wire Rod Mill with HB Wire cooled Roll & Strip Mill with Pipe Mill) (85 % Hot charging with Hot Billets and remaining 15% through RHF with LDO as fuel)	94,800 TPA	Billet Reheating Furnace is replaced with Direct Hot Charging facility	94,800 TPA (In Operation)	2 x 660 TPD (4,35,600 TPA)	5,30,400 TPA
4.	Ferro Alloys Units (FeSi or FeMn or SiMn or FeCr or Pig Iron)	---	---	---	2 x 9 MVA & 4 x 6 MVA (FeSi - 38,900 TPA or FeMn- 1,40,000 TPA or SiMn- 80,000 TPA or	2 x 9 MVA & 4 x 6 MVA (FeSi - 38,900 TPA or FeMn- 1,40,000 TPA or SiMn- 80,000 TPA or

S.No.	Units (Products)		Permitted capacity as per EC dt.29.03.2011 & 09.07.2018 [1]	Permitted Capacity as per CTE amendment (under NIPL) dt. 19.10.2020 [2]	Operating / Under implementation Plant [3]	Proposed Expansion [4]	Total after Proposed Expansion [5] = [3] + [4]
						FeCr-83,500 TPA or Pig Iron – 1,40,000 TPA)	FeCr-83,500 TPA or Pig Iron – 1,40,000 TPA)
5.	Coal Washery (Wet type)		---	---	---	6,00,000 TPA (throughput capacity)	6,00,000 TPA (throughput capacity)
6.	Power Plant	WHRB Power Plant	6 MW	2 MW	8 MW [6 MW (In operation) & 2 MW (Under implementation)]	36 MW (1 x 4 MW & 4 x 8 MW)	44 MW
		FBC Power Plant	12 MW	8 MW (Dropped)	4 MW (In Operation)	50 MW (2 x 25 MW)	54 MW
7.	Brick Manufacturing Unit		---	---	80,000 Bricks/day (Under implementation)	70,000 Bricks/day	1,50,000 Bricks/day
8.	Briquetting Plant		---	---	---	1000 kg/hr.	1000 kg/hr.

28.11.10 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

S.No.	Raw Material		Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
1.	DRI Kilns (Sponge Iron) 5,28,000 TPA (1 x 200 TPD & 4 x 350 TPD)					
a)	Pellets		7,92,000	Purchased From Outside	---	Through covered conveyers
Or						
b)	Iron Ore		8,44,800	Barbil, Orissa NMDC, Chhattisgarh	~ 500 Kms.	By rail & road (through covered trucks)
c)	Coal	Indian (100%)	6,86,400	SECL Chhattisgarh / MCL Odisha	~ 500 Kms	By rail & road (through covered trucks)

S.No.	Raw Material		Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
		(or)				
		Imported (100%)	4,40,000	Indonesia / South Africa / Australia	~ 600 Kms. (from Vizag Port)	Through sea route, rail route & by road (through covered trucks)
d)	Dolomite		26,400	Chhattisgarh	~ 100 Kms.	By road (through covered trucks)
2.	Steel Melting Shop (Hot Billets / MS Ingots / Billets) –3,30,000 TPA (4x25 T) with 1x30 T LRF					
a)	Sponge Iron		3,33,000	Own generation	---	Through covered conveyers
b)	MS Scrap/ Pig Iron/end cuttings		50,000	Chhattisgarh	~ 100 Kms.	By road (through covered trucks)
c)	Ferro alloys		17,000	Own generation	---	By road (through covered trucks)
3.	Rolling Mill through Hot charging & RHF (TMT bars / Structural Steel) – 4,35,600 TPA					
a)	Hot Billets / Billets / Ingots		4,66,100	Own generation & purchased from outside	----	----
b)	LDO / LSHS		3800 Kl/annum	Nearby IOCL Depot	~ 100 Kms.	By road (through Tankers)
4.	FBC Boiler [Power Generation 2 x 25 MW]					
a)	Indian Coal (100%)		2,97,000	SECL Chhattisgarh / MCL Odisha	~ 500 Kms.	By rail & road (through covered trucks)
	OR					
b)	Imported Coal (100%)		1,90,377	Indonesia / South Africa / Australia	~ 600 Kms. (from Vizag Port)	Through sea route, rail route & by road (through covered trucks)
	OR					
c)	Dolochar/washery rejects + Indian Coal	Dolochar/washery rejects	1,05,600 1,50,000	In plant generation	---	through covered conveyors
		Indian Coal	2,44,200	SECL Chhattisgarh / MCL Odisha	~ 500 Kms.	By rail & road (through covered trucks)
	OR					

S.No.	Raw Material		Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
d)	Dolochar + Imported Coal	Dolochar/washery rejects	1,05,600 1,50,000	In plant generation	---	---
		Imported Coal	1,37,577	Indonesia / South Africa / Australia	~ 600 Kms. (from Vizag Port)	Through sea route, rail route & by road (through covered trucks)
5.	Ferro Alloys (2 x 9 MVA & 4 x 6 MVA)					
5 (i)	<i>Ferro Silicon – 38,900TPA</i>					
a)	Quartz		56,700	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
b)	Coke		44,100	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	MS Scrap / Mill scales		9,870	Inhouse Generation	---	By road (through covered trucks)
d)	Electrode paste		840	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)
e)	Bagfilter dust		467	Own generation	---	---
5 (ii)	<i>Ferro Manganese – 1,40,000 TPA</i>					
a)	Manganese Ore		1,59,600	MOIL / OMC	~ 500 Kms.	By Rail & Road (through covered trucks)
b)	Coke		46,200	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	Dolomite		18,900	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
d)	MS Scrap / Mill scales		16,800	Inhouse Generation	---	By road (through covered trucks)
e)	Electrode Paste		1,470	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)
f)	Bagfilter dust		2334	Own generation	---	---
5 (iii)	<i>Silico Manganese – 80,000 TPA</i>					
a)	Manganese Ore		1,13,400	MOIL / OMC	~ 500 Kms.	By Rail & Road (through covered trucks)

S.No.	Raw Material	Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
b)	Coke	37,800	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	FeMn. Slag	70,686	In house generation	---	----
d)	Dolomite	17,220	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
e)	Electrode paste	1470	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)
f)	Quartz	18,060	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
g)	Bagfilter dust	467	Own generation	---	---
5 (iv)	<i>Ferro Chrome – 83,500 TPA</i>				
a)	Chrome Ore	1,32,300	Sukinda, Odisha	~ 500 Kms.	By road (through covered trucks)
b)	Coke	46,200	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	Quartz	18,900	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
d)	MS Scrap / Mill Scale	6,300	Inhouse Generation	---	By road (through covered trucks)
e)	Bauxite	12,600	Chhattisgarh / Maharashtra	~ 500 Kms.	By road (through covered trucks)
f)	Electrode Paste	1,260	Maharashtra / West Bengal	~ 300 Kms.	By road (through covered trucks)
g)	Bagfilter dust	2,800	Own generation	---	---
5 (v)	<i>Pig Iron – 1,40,000 TPA</i>				
a)	Iron ore / Sinter	214200	Barbil, Orissa NMDC, Chhattisgarh	~ 500 Kms.	By rail & road (through covered trucks)
b)	Coke	100800	Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
c)	Dolomite	13860	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)

S.No.	Raw Material	Quantity (TPA)	Sources	Distance from site (in Kms.)	Mode of Transport
d)	Quartz	7140	Chhattisgarh / Andhra Pradesh	~ 500 Kms.	By road (through covered trucks)
e)	Bagfilter dust	2334	Own generation	---	---
6.	Coal Washery – 6,00,000 TPA (throughput capacity)				
	ROM Coal	6,00,000	SECL Chhattisgarh / MCL Odisha	~ 500 Kms.	By rail & road (through covered trucks)

28.11.11 Water requirement in the operating plant is 645 KLD and same being sourced from Ground water source. Water permission for existing operating plant is obtained from CGWA vide NOC no. CGWA/NOC/IND/REN/2/2024/9320 and same is valid till 11/04/2027. Water required for the proposed expansion project will be 3170 KLD and same will be sourced from Bardeh Jharna Nallah, passing at distance of 1.6 Kms. from the plant site. Total water requirement after the proposed expansion will be 3815 KLD. A dedicated water pipeline will be laid upto the plant site. MoU has been signed with Govt. of Chhattisgarh. As part of MoU water allocation is assured for the project. Application has been submitted to Water Resource Department, Chhattisgarh for drawl of water from Bardeh Jharna Nallah.

28.11.12 Power requirement for the operating plant is 17.0 MW and same is being sourced partly from Captive Power plant & remaining from the state grid. Power required for proposed expansion will be 140 MW. Total Power required after the proposed expansion will be 157 MW. Out of this 86.0 MW will be through Captive Power Plant and remaining 71.0 MW through the State grid.

28.11.13 Baseline Environmental Studies:

Period	15 th October 2021 to 15 th January 2022 and further collected data during 15 th October 2024 to 15 th January 2025 as earlier baseline data was 3 years old.			
AAQ parameters at 8 locations	Parameter	Concentration (15th Oct. 2021 to 15th Jan. 2022)	Concentration (15th Oct. 2024 to 15th Jan. 2025)	Standard as per NAAQS
	PM _{2.5}	21.9 to 45.3 µg/m ³	23.9 to 46.1 µg/m ³	60 µg/m ³
	PM ₁₀	38.6 to 75.6 µg/m ³	40.5 to 76.9 µg/m ³	100 µg/m ³
	SO ₂	6.9 to 18.2 µg/m ³	8.8 to 20.1 µg/m ³	80 µg/m ³
	NO ₂	7.1 to 25.4 µg/m ³	9.1 to 27.3 µg/m ³	80 µg/m ³
	CO	330 to 1025 µg/m ³	360 to 1045 µg/m ³	2000 µg/m ³
AAQ modelling (incremental GLC's) ISC 3 model is used	Incremental GLCs due to the proposed expansion project: PM _{2.5} = 1.03 µg/m ³ (2800 m in SW); PM _{2.5} = 0.31 µg/m ³ (Vehicular) PM ₁₀ = 1.72 µg/m ³ (2800 m in SW) ; PM ₁₀ = 0.68 µg/m ³ (Vehicular) SO ₂ = 6.20 µg/m ³ (2500 m in SW) NO ₂ = 7.10 µg/m ³ (2900 m in SW) ; NO _x (vehicular) = 5.24 µg/m ³ CO = 0.91 µg/m ³ (1200 m in SW) ; CO = 3.34 µg/m ³ (Vehicular)			
Ground water quality at 8 locations	Parameters	Concentration (15th Oct. 2021 to	Concentration (15th Oct. 2024 to	

			15 th Jan. 2022)	15 th Jan. 2025)																					
		pH	7.2 to 8.1	7.1 to 8.0																					
		TDS (in mg/l)	334 to 542	329 to 547																					
		Total Hardness (in mg/l)	190 to 296	192 to 299																					
		Chlorides (in mg/l)	164 to 251	162 to 258																					
		Fluoride (in mg/l)	0.4 to 0.59	0.3 to 0.61																					
		Iron (in mg/l)	0.014 to 0.024	0.012 to 0.025																					
Surface quality	water	Parameter	Concentration (15 th Oct. 2021 to 15 th Jan. 2022)	Concentration (15 th Oct. 2024 to 15 th Jan. 2025)																					
		pH	7.2 to 8.1	7.5 to 8.0																					
		DO (in mg/l)	2.9 to 6.1	3.2 to 6.3																					
		BOD (in mg/l)	2.4 to 3.0	2.5 to 2.9																					
		COD (in mg/l)	6.3 to 7.9	6.5 to 8.4																					
		TDS (in mg/l)	187 to 461	193 to 456																					
		Sulphates (in mg/l)	70 to 172	72 to 171																					
		Chlorides (in mg/l)	89 to 220	92 to 217																					
Noise levels	The equivalent day-night noise levels in the study zone are ranging from 46.80 dBA to 67.90 dBA during December 2021 and further Noise levels collected during revalidation of Noise Levels in December 2024 and equivalent day-night noise levels in the are ranging from 48.01 dBA to 67.15 dBA.																								
Traffic assessment study Findings	- Traffic study has been conducted at State Highway # 1 (Raigarh to Gharghoda) passing at distance of 8.5 Kms. from the plant site. - Existing PCU is 1084.25 PCU/Hr on SH # 1 and existing level of service (LOS) is ‘C’ <table><tr><td>Road</td><td>V (Volume in PCU/hour)</td><td>C (Capacity in PCU/hour)</td><td>Proposed V/C Ratio</td><td>LOS</td></tr><tr><td>State Highway # 1</td><td>1084.25</td><td>2400</td><td>0.45</td><td>C</td></tr></table> - PCU load after proposed expansion project comes into operation will be 1084.25 PCU/hr. (Existing) + 105.62 PCU/hr. (expansion) = 1189.87 PCU/hr. and level of service (LOS) will be: <table><tr><td>Road</td><td>V (Volume in PCU/hour)</td><td>C (Capacity in PCU/hour)</td><td>Proposed V/C Ratio</td><td>LOS</td></tr><tr><td>State Highway # 1</td><td>1189.87 = (1084.25 + 105.62)</td><td>2400</td><td>0.49</td><td>C</td></tr></table>					Road	V (Volume in PCU/hour)	C (Capacity in PCU/hour)	Proposed V/C Ratio	LOS	State Highway # 1	1084.25	2400	0.45	C	Road	V (Volume in PCU/hour)	C (Capacity in PCU/hour)	Proposed V/C Ratio	LOS	State Highway # 1	1189.87 = (1084.25 + 105.62)	2400	0.49	C
Road	V (Volume in PCU/hour)	C (Capacity in PCU/hour)	Proposed V/C Ratio	LOS																					
State Highway # 1	1084.25	2400	0.45	C																					
Road	V (Volume in PCU/hour)	C (Capacity in PCU/hour)	Proposed V/C Ratio	LOS																					
State Highway # 1	1189.87 = (1084.25 + 105.62)	2400	0.49	C																					

	Level of Service (LOS) of the Road as per IRC 106:1990		
	V/C	LOS	Performance
	0.0 – 0.2	A	Excellent
	0.2 – 0.4	B	Very Good
	0.4 – 0.6	C	Good
	0.6 – 0.8	D	Fair/ Average
	0.8 – 1.0	E	Poor
	1.0 & Above	F	Very Poor
	- The Level of Service (LOS) of the Road during operation of the project = $1189.87 / 2400 = 0.49$ As per the above the LOS of the ROAD is categorised under ‘C’, which implies “good”. - Hence the existing road is capable of taking the additional vehicular traffic due to the proposed expansion project		
Flora and fauna	There are no notified National Park/ Wild life sanctuary / Biosphere reserve / Tiger Reserve within 10 Km. radius of the plant. - Movement of elephants observed within 10 Km. radius of the plant . - Wildlife Conservation and Management Plan has been prepared for conservation of schedule – 1 fauna and submitted to PCCF. - Subsequently PCCF has approved the conservation plan with a budget of Rs. 17.06 Lakhs to be spent over a period of 5 years. The following are the Scheduled-I fauna present in study area - Indian monitor lizard (<i>Varanus benglensis</i>) - Indian peafowl (<i>Pavo cristatus</i>) - Sloth bear (<i>Melursus ursinus</i>) - Pangolin (<i>Manis crassicaudata</i>) - Elephant (<i>Elephas maximus</i>)		

28.11.14 The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S.No.	Waste / By Product	Quantity (TPA)			Method of disposal
		Operating plant	Proposed Expansion	After Proposed Expansion	
1.	Ash from DRI	21,600	95,040	1,16,640	Is being used in existing brick making unit within the premises. Similar practice will be continued after expansion also.
2.	Dolochar	24,000	1,05,600	1,29,600	Is being utilized in the existing FBC boiler-based power plant. The same practice will be continued after expansion also.
3.	Kiln Accretion Slag	1,080	4,752	5,832	Is being given to road contractors for road construction& used in existing brick unit and similar practice will be continued after expansion also.
4.	Wet Scraper Sludge	5,520	24,288	29,808	Is being given to road contractors for road construction& used in existing brick unit and similar practice will be continued after expansion also.

S.No.	Waste / By Product	Quantity (TPA)			Method of disposal
		Operating plant	Proposed Expansion	After Proposed Expansion	
5.	SMS Slag	12,350	33,000	45,350	Slag from SMS will be crushed and iron will be recovered & then remaining non-magnetic material being inert by nature will be given to road contractors for road laying and will also be utilized in brick manufacturing unit.
6.	Mill Scales	948	4,356	5,304	Will be used in proposed Ferro Alloys plant captively
7.	End cuttings	1,896	8,712	10,608	Will be reused in SMS.
8.	Ash from Power Plant (Indian Coal + Dolochar)	19,692	1,73,250	1,92,942	Is being given used in brick manufacturing unit and similar pattern will be continued after expansion also.
9.	Slag from FeMn	---	70,686	70,686	Will be reused in manufacture of SiMn as it contains high SiO ₂ and Silicon.
10.	Slag from FeSi	---	2,356	2,356	Will be given to Cast iron foundries
11.	Slag from SiMn	---	72,072	72,072	will be used for Road construction / will be given to slag cement manufacturing
12.	Slag from FeCr	---	65,142	65,142	Will be processed in Jigging plant for Chrome recovery. After Chrome recovery, the left-over slag will be analysed for Chrome content through TCLP test, if the Chrome content in the slag is within the permissible limits, then it will be utilised for Road laying /brick manufacturing. If Chrome content exceeds the permissible limits, it will be sent to nearest TSDF.
13.	Slag from Pig Iron	---	80,388	80,388	Will be given to slag cement manufacturing units
14.	Coal rejects	---	1,50,000	1,50,000	Will be used in existing and proposed FBC boilers as fuel.
15.	Dust from Bagfilters of SEAF & during tapping	---	10,000	10,000	Will be used in Briquetting Plant and briquets made will be reused in Ferro Alloys process.

Note: Solid waste utilisation will be in accordance with SWM rules January 2026.

Hazardous waste Generation:

1. Waste oil: 5.0 KL / Annum

This will be stored in covered HDPE drums in a designated area and will be given to SPCB approved vendors.

2. Used Batteries

Used batteries will be given back to the supplier under buy back agreement with supplier.

3. E-waste

E-waste generated from the plant will be given to authorized recycler having authorization from competent authority.

Disposal of Electronic waste generated from the industry will be done as the E - waste management 2022 Gazette notification dt. 02.11.2022.

4. Plastic waste

Plastic waste generated from the plant will be given to authorized recycler having authorization from competent authority.

28.11.15 Public Consultation:

Details of advertisement given	Initially PH has been scheduled for 06-07-2022 and the same has been cancelled by the District Administration. The same has been published in newspapers on 06-07-2022. Subsequently fresh advt. has been given in the following dates - 14.10.2022 ("Navbharat" & "Jankarm" - Hindi Newspaper) & 14.10.2022 ("Financial Express" - English Newspaper)
Date of Public Consultation	02.11.2022
Venue	Near Banjari Mata Temple, Taraimal Village, Gharghoda Tehsil, Raigarh District, Chhattisgarh.
Presiding Officer	Additional District Magistrate
Major issues raised	• Environmental Pollution • Road repairing (Tamnar road) • Why second time PH date is given within 15 days • Why PH is not conducted within 45 days of submission of EIA report • Land diversion is not completed • PH venue is very far from the project site • Ground water permission has not been obtained • Paper advertisement for PH • Need of PHC in the area • Baseline data collected before issue of TOR • EIA report should be in local language • Employment to local people • Elephant corridor is present within study area
Public opinion in %age	Total no. of people participated in public hearing : 804 nos. No. of people in favour of the project : 796 nos. (99 %) No. of people against the project : 8 nos. (1 %)

Action Plan as per OM dated 30.09.2020

S.NO.	MAJOR HEADS	ACTIVITY	YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
A). Based on Need Based & SIA Study						
1	Community & Infrastructure Development Programmes					
	Solar street light to be provided in the villages	Physical Nos. & village	10 no. in Barpali (V) and 10 no. in Saraipali (V)	10 no. in Bagbura (V) and 10 no. in Gerwani (V)	10 no. in Gaurmudi (V) and 10 no. in Jamadberi (V)	120
		Budget in Lakhs	40	40	40	

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
	Construction of Community Hall	Physical Nos. & village	---	---	1 no. in Saraipali (V)	30
		Budget in Lakhs	---	---	30	
					Sub Total	150
2	Education					
	Providing Sport kits for schools	Physical Nos. & village	10 nos. in Jamadberi (v) & 10 Nos. in Barpali (v)	10 no. in Gaurmudi (v) & 10 Nos. in Saraipali (v)	10 nos.in Gerwani (v) & 10 Nos. in Bagbura (v)	15
		Budget in Lakhs	5	5	5	
	Construction of class rooms in schools of size 8m x 5m x 3 m	Physical Nos. & village	2 no. of room in Barpali (v)	2 nos. of rooms in Saraipali (v)	2 nos. of rooms in Bagbura (v)	30
		Budget Rs in Lakhs	10	10	10	
	Providing Model Anganwadi Centre in consultation with State Women and Child Development Department	Physical Nos. & village	Saraipali (v) – 1 No.	Barpali (v) – 1 No.	Jamadberi (v) -1 No. & Bagbura (v) – 1 No.	40
		Budget Rs in Lakhs	10	10	20	
	Providing furniture, computers, library, sports equipment etc. for nearby local schools of @Rs. 10.0 Lakhs per school	Physical Nos. & village	Barpali (v) -1 No.	Saraipali (v) -1 No.	Bagbura (v) – 1 No.	30
		Budget Rs. in Lakhs	10	10	10	
					Sub Total	115
3	Overhad tanks in villages	Physical Nos. & village	1 nos. in Jamadberi (V)	1 nos. in Barpali (v)	1 nos. in Bagbura (V)	45

S.NO.	MAJOR HEADS	ACTIVITY	YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)	
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)		
		Budget in Lakhs	15	15	15		
4	Support State Govt. for development of Swami Atmanand Schools / Existing School	Physical Nos. & village	Saraipali (V) & Barpali (V)	Harradih (V) & Gadgaon (V)	Raigarh	30	
		Budget in Lakhs	10	10	10		
5	Construction of public toilets	Physical Nos. & village	2 nos. in Barpali (v) & 2 nos. in Gaurmudi (v)	2 nos. in Saraipali (v) & 2 Nos. in Bagbura (v)	2 no. in Gerwani (v) & 2 Nos. in Jamadberi (v)	30	
		Budget in Lakhs	10	10	10		
6	Construction of covered drains and providing water taps are appropriate places	Physical Nos. & village	Barpali (V) and Saraipali (V)	Bagbura (V) and Gerwani (V)	Gaurmudi (V) and Jamadberi (V)	141	
		Budget in Lakhs	47	47	47		
7	RWH pits in the surrounding villages & De-siltation of ponds	Physical Nos. & village	2 nos. in Govt Primary School, Barpali Village 2 nos. in Panchayat Office 2 nos. in Govt. Middle School, Saraipali	---	Increase of 1.0 m depth in storage due to De-siltation of pond in Pali Village	20	
		Budget in Lakhs	6	--	14		
			153	147	231		531
		TOTAL (A)					
B). Based on Public Consultation/Hearing							
1.	Impart training to the local villagers	Physical Nos. & village	One DISHA centre				

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
	for skill development: DISHA Centre” along with necessary infrastructure for various vocational training program for employment generation in association with National Skill Development Mission (Automobile Repair, Welding, Electrical, Computer Hardware, Soft skills like computer programs etc.)	Budget in Lakhs	100	100	100	300
2.	Plantation in nearby villages	Physical Nos. & village	Saraipali (v) 2000 no.s	Barpali (v) 2000 no.s	Gaurmuri (v) 2000 no.s	30
		Budget in Lakhs	10	10	10	
3.	Relaying of village road	Physical Nos. & village	500 m road from Tamnar Village to Plant Site	600 m road from Saraipali Village to Plant Site	---	65
		Budget in Lakhs	30	35	---	
4.	Providing of Primary Health Center with ambulance	Physical Nos. & village	---	Saraipali (V)	---	100
		Budget in Lakhs	---	100	---	

S.NO.	MAJOR ACTIVITY HEADS		YEAR OF IMPLEMENTATION			TOTAL EXPENDITURE (Rs. in Lakhs)
			1 st Year (Rs. in Lakhs)	2 nd Year (Rs. in Lakhs)	3 rd Year (Rs. in Lakhs)	
5.	Water sprinkling on the connecting road	Physical Nos. & village	Saraipali (V), Barpali (V), Gerwani (V)			24
		Budget in Lakhs	8	8	8	
	Total (B)		148	253	118	519
	Grand Total (A+B)		302	400	348	1050
- Recurring expenditures under CSR as per companies Act 2014 (this is not part of SID) - Health checkup will be carried out periodically in surrounding villages i.e. Delari, Pali, Chiraipani, Shivpuri villages @ Rs 5.0 Lakhs every year						

28.11.16 The capital cost of the expansion project is Rs. 700 Crores and the capital cost for environmental protection measures is proposed as Rs. 74.45 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 12.16 Crores. The employment generation from the proposed expansion project is 250 nos. The details of cost for environmental protection measures is as follows:

S.No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / Annum (Rs.in Lakhs)
1.	Air Emission Management		
	• Electro Static Precipitators (ESP) - DRI Kilns	18.00	5.00
	• Electro Static Precipitators (ESP) - Power Plants	15.00	2.00
	• Fume Extraction system with PTFE Bag filters - (Induction Furnaces, Ferro Alloys, Coal Washery)	19.00	2.20
	• Other APCS & Conveyor systems	3.00	0.45
	• Stacks	4.50	0.225
	• Mechanical Dust sweepers	0.60	0.03
	• Water Sprinklers	0.30	0.005
2.	Wastewater Management		
	• Upgradation of existing ETP	0.50	0.1
	• STP	0.80	0.16
	• Garland drains	0.30	0.03
	• Settling ponds	0.03	0.003
3.	Solid waste Management		
	• Fly Ash Handling & disposal	3.50	0.6
	• Slag Handling & Disposal	0.20	0.05
	• Hazardous waste storage & disposal	0.10	0.05
	• Municipal solid waste storage & disposal	0.05	0.025
4.	Greenbelt development, Land scaping	1.00	0.53
5.	Noise Management	0.20	0.1
6.	RWH & Drainage system within the premises	1.10	0.002
7.	Fire Safety Systems	3.50	0.25

S.No.	Particulars	Capital Cost (Rs.in Crores)	Recurring Cost / Annum (Rs.in Lakhs)
8.	Environmental Monitoring		
	• CEMS	0.70	0.01
	• CAAQMS	1.60	0
	• Environment Monitoring	---	0.1018
	• Performance monitoring of APCS	---	0.01
9.	Occupational Health & Safety		
	• Renovation of existing Occupational Health Centre	0.30	0.075
	• Personal Protective Equipment's (PPEs)	0.15	0.15
		74.45	12.1568

28.11.17 Total greenbelt area of 10.93 Ha (27.0 acres), inclusive of existing plantation, shall be developed within the plant premises. At present, about 8,120 plants have already been established. A minimum 15 m wide greenbelt shall be maintained all along the plant boundary. It has been proposed to develop the greenbelt in consultation with the local Divisional Forest Officer (DFO), adopting a three-tier plantation comprising pollutant-tolerant, fast-growing, wind-firm, and deep-rooted species, with an outer barrier layer, middle air-filtering layer, and inner absorptive layer. Plantation density shall be maintained at about 2,500 plants per acre as per CPCB guidelines. The total plantation after expansion will be about 27,300 plants, with additional plantation of 19,180 plants to be completed in a phased manner over a period of three years (7,000 plants in first year, 6,000 plants in second year, and 6,180 plants in third year).

28.11.18 It is reported that there is no violation under EIA, 2006/court case/show cause/direction related to the project under consideration.

Certified compliance report from Regional Office

28.11.19 A request for issuance of Certified Compliance Report (CCR) was made to the Sub-Office, MoEF&CC, Raipur vide letter dated 25.12.2025. Subsequently, site inspection was carried out by Scientist 'E' on 03.03.2026. Based on the inspection, the Certified Compliance Report was issued by the Sub-Office, MoEF&CC, Raipur vide letter no. F.No. 5-24/2011(Env)/165 dated 23rd April, 2026 wherein two non-compliances were identified. PP has submitted the Action Taken Report (ATR) addressing the same to the Sub-Office, MoEF&CC, Raipur vide letter dated 30.04.2026. The details of the non-compliances and corresponding action taken have been furnished by the Project Proponent as below:

Conditions	Non-Compliance raised by IRO	Reply to NC
Non- Compliance # 1 wr.t. Specific Condition No ii	Details are not made available regarding connectivity of the CAAQMS and CEMS data with the server of the SPCB.	We hereby confirm that we have installed CAAQMS & CEMS to the stacks connected and integrated the same with the servers of CPCB & CECB. The details of login credentials are furnished in the ATR

		submitted vide letter dated 30 th April 2026.
Non- Compliance # 2 w.r.t. General Condition No. xv	Details regarding the intimation of date of financial closure and final approval of the project by the concerned authorities and the date of commencement of land development work has not been intimated to the Regional Office as well as the Ministry.	We have inadvertently missed to inform the Regional Office of Ministry, MoEF&CC, New Delhi regarding the Financial closure, Land development commencement. We sincerely apologize for the same and we will take care of the same in future.

28.11.20 Compliance on Applicability of Ministry's OMs:

S.No.	O.M. dated	O.M. pertaining to	Compliance by Shree Rupanadham Steel Pvt. Ltd.
1	14-10-2014	Registration of land /Consent from the Land owner for entire land	Complied Total land envisaged for the project including expansion is 32.890 Ha. [Existing plant land – 11.141 Ha. & Proposed Additional land – 21.749 Ha.] Out of Total land 32.890 Ha., 20.926 Ha. is registered in the name of the company and remaining land of 11.964 Ha. is in the name of sister concern company & Directors for which long term lease deed has been executed.
2	----	Presence of streams/Nalas within the site	Complied No streams / Nallah passing through the project site
3	08-06-2022	Validity of Baseline data for 3 years	Complied 15 th October 2021 to 15 th January 2022 and further fresh baseline data has been collected from 15 th October 2024 to 15 th January 2025 as earlier baseline data was 3 years old.
4	08-06-2022	CCR validity is 1 year from the date of inspection by MOEF&CC/SPCB	Complied Date of inspection: 03-03-2026
5	08-06-2022	PH validity for 3 years	Complied PH held on 02.11.2022 (Final EIA Submitted on 27.05.2025 which is within 3 years)

28.11.21 Compliance Statement of Clause – 9 of Chapter -3 on Criteria For Establishment of Industrial Plants As per G.S.R (O.M.Dated 29-01-2025)

S.No	Chapter -3 Clause -9	Compliance

1.	Restrictions on establishing an industrial plant based on technological and scientific developments to protect sensitive areas like national parks, sanctuaries, wetlands, and archaeological monuments.	Complied There are no National Parks, Sanctuaries, wetlands and archeological monuments within 10 Km. radius of the plant site • Movement of elephant observed within 10 Km. radius of the project site. • Wildlife Conservation and Management Plan has been prepared for conservation of schedule – 1 species and submitted to PCCF. • Subsequently PCCF has approved the conservation plan with a budget of Rs. 17.06 Lakhs to be spent over a period of 5 years.	
2.	Industrial plant must comply with criteria set by Central Government, State Government, or Union Territory Administration	Complied There are no specific criteria set by Chhattisgarh state govt for establishment of industrial plants.	
3.	While establishing an industrial plant, the following minimum distance shall be maintained:		
3(a)	From the nearest boundary of surface water body (flood plain/HFL/Red line) as per revenue records in case of industrial plant of:		
3(a)(i)	Red category: Beyond 500 meters.	NA	
3(a)(ii)(A)	Orange category (with effluent generation): Beyond 75 meters.	---	
3(a)(ii)(B)	Orange category (without effluent generation): Beyond 30 meters.	---	
3(a)(iii)	Green category: Beyond 30 meters.	---	
3(b)	From settlements, educational institutes, worship places, archaeological monuments, national parks, reserve forests, heritage sites, in case of industrial plant of:		
3(b)(i)	Red category: Beyond 500 meters.	Settlement	Barpali Village - 0.5 kms.
		educational institutes	Nil
		worship places	Nil
		archaeological monuments	Nil
		national parks	Nil
		reserve forests	Nil (Nearest RF – Taraimal RF at 0.6 Kms.)
		heritage sites	Nil
3(b)(ii)	Orange category: Beyond 200 meters.	---	
3(b)(iii)	Green category: Beyond 100 meters	---	
3(c)	The State Board shall ensure compliance with all applicable laws, rules, regulations, and notifications	---	

3(d)	Natural or storm drains passing through the industrial plant location shall not be disturbed.	---

28.11.22 The proposal was initially considered during the 14th meeting of the EAC for Industry-I sector held on 30th -31st October, 2025 wherein the Committee deferred the proposal. The deliberation and recommendations of EAC are as follows:

Deliberations by the Committee (EAC during 30th -31st October, 2025)

The Committee noted the following:

- i. The Committee deliberated on the issue related to the Certified Compliance Report (CCR) submitted by the Project Proponent. It was noted that the PP had initially approached the Integrated Regional Office (IRO), MoEF&CC, Raipur, for the issuance of the CCR and that the IRO conducted a site inspection and issued the report on 21st July, 2022, identifying certain non-compliances. The PP subsequently submitted an Action Taken Report (ATR) on 11th April, 2023. Subsequently, for consideration of the instant proposal, PP directly approached the Chhattisgarh Environment Conservation Board (CECB) for issuance of a CCR. The Committee noted that instead of seeking a fresh CCR from the IRO as per the provisions of the Ministry's Office Memorandum dated 8th June, 2022, which also stipulates that the CCR remains valid for one year from the date of inspection, the PP without approaching RO MoEFCC, directly approached CECB.
- ii. The EAC observed that this approach was not in line with the prescribed procedure under the said OM, which mandates that the PP should have re-approached the IRO, MoEF&CC, for a fresh CCR before applying for EC. Only if the RO, MoEFCC had not issued the CCR within a period of three months could the PP have approached the State Pollution Control Board for a CCR. Accordingly, the EAC advised the Project Proponent to follow the due process outlined in the OM dated 8th June, 2022, by obtaining a fresh CCR from the IRO, MoEF&CC.
- iii. The EAC advised PP/ Consultant to represent the case again with revised proposal presentation. The EAC agreed to the request of PP/ Consultant and allowed them to reappear after the revision of the application incorporating the desired information

Recommendations of the Committee (EAC during 30th -31st October, 2025)

In view of the foregoing and after detailed deliberations, the committee recommended to defer the proposal to address the shortcomings enumerated at para above. The proposal may be considered after submission of the requisite information.

28.11.23 Accordingly, PP submitted the ADS reply on PARIVESH portal on 04.05.2026 as follows:

S.No.	ADS point	Reply
1.	The Committee deliberated on the issue related to the Certified Compliance Report (CCR) submitted by the Project Proponent. It was noted that the PP had initially approached the Integrated Regional Office (IRO), MoEF&CC, Raipur, for the issuance of the CCR and that the IRO conducted a site inspection	PP submitted letter to Sub-Office, MoEF&CC, Raipur for issuance of Certified Compliance Report (CCR) vide our letter dated 25-12-2025. Subsequently Scientist 'E' inspected the plant for monitoring on 03-03-2026 . Accordingly, CCR has been issued by Sub-Office of MoEF&CC, Raipur vide letter no

S.No.	ADS point	Reply
	and issued the report on 21st July, 2022, identifying certain non-compliances. The PP subsequently submitted an Action Taken Report (ATR) on 11th April, 2023. Subsequently, for consideration of the instant proposal, PP directly approached the Chhattisgarh Environment Conservation Board (CECB) for issuance of a CCR. The Committee noted that instead of seeking a fresh CCR from the IRO as per the provisions of the Ministry's Office Memorandum dated 8th June, 2022, which also stipulates that the CCR remains valid for one year from the date of inspection, the PP without approaching RO MoEFCC, directly approached CECB.	F.No. 5-24/2011(Env)/165 dated 23rd April 2026.
2.	The EAC observed that this approach was not in line with the prescribed procedure under the said OM, which mandates that the PP should have re-approached the IRO, MoEF&CC, for a fresh CCR before applying for EC. Only if the RO, MoEFCC had not issued the CCR within a period of three months could the PP have approached the State Pollution Control Board for a CCR. Accordingly, the EAC advised the Project Proponent to follow the due process outlined in the OM dated 8th June, 2022, by obtaining a fresh CCR from the IRO, MoEF&CC.	PP submitted letter to Sub-Office, MoEF&CC, Raipur for issuance of Certified Compliance Report (CCR) vide our letter dated 25-12-2025. Subsequently Scientist 'E' inspected the plant for monitoring on 03-03-2026. Accordingly, CCR has been issued by Sub-Office of MoEF&CC, Raipur vide letter no F.No. 5-24/2011(Env)/165 dated 23rd April 2026. As per the CCR issued there are 2 nos. of Non-Compliances and accordingly PP has submitted Action Taken Report (ATR) in the Sub-Office, MoEF&CC, Raipur vide dated 30th April 2026. The following are the Non-Compliances as per CCR. Non- Compliance # 1: (Specific Condition No ii) Details are not made available regarding connectivity of the CAAQMS and CEMS data with the server of the SPCB. Reply to NC #1: We do hereby confirm that we have installed CAAQMS & CEMS to the stacks connected and integrated the same with the servers of CPCB & CECB. The details of login credentials are furnished in the ATR submitted vide letter dated 30th April 2026. Non- Compliance # 2: (General Condition No. xv) Details regarding the intimation of date of financial closure and final approval of the project by the concerned authorities and the date of commencement of land development work has not been intimated to the Regional Office as well as the Ministry.

S.No.	ADS point	Reply
		Reply to NC # 2: We inadvertently missed to inform the Regional Office of Ministry, MoEF&CC, New Delhi regarding the Financial closure, Land development commencement. We sincerely apologize for the same and we will take care of the same in future.
3.	The EAC advised PP / Consultant to represent the case again with revised proposal presentation. The EAC agreed to the request of PP/ Consultant and allowed them to reappear after the revision of the application incorporating the desired information	Revised presentation is shown during meeting.

28.11.24 Based on the above submission of PP, the proposal was re-considered during the 28th meeting of the EAC for Industry-I sector held on 21st -22nd May, 2026. The deliberation and recommendations of EAC are as follows:

Deliberations by the Committee

28.11.25 The Committee noted the following:

1. The instant proposal is for expansion of Steel Plant – DRI Kilns (Sponge Iron from 1,20,000 TPA to 6,48,000 TPA), Induction Furnaces along with CCM & LRF (Hot Billets / Billets / Ingots from 1,23,500 TPA to 4,53,000TPA), Rolling Mills (TMT bars / Structural Steel / Wire Rod Mill with HB Wire cooled Roll & Strip Mill with Pipe Mill) (85% Hot charging with Hot Billets and remaining 15% through RHF with LDO as fuel from 94,800 TPA to 5,30,400 TPA), WHRB based Power Plant from 8 MW to 44 MW, FBC based Power Plant from 4 MW to 54 MW, Brick Manufacturing unit from 80,000 Brick /day to 1,50,000 Bricks/ day, New 2 x 9 MVA& 4 x 6 MVA Ferro Alloys (FeSi - 38900 TPA or FeMn- 1,40,000 TPA or SiMn-80,000 TPA or FeCr-83,500 TPA or Pig Iron-1,40,000 TPA), New Briquetting Unit (1000 Kg/hr.) & New Coal washery unit (6,00,000 TPA).
2. The existing project was initially accorded Consent to establish vide D.No.153/RO/TS/CECB/2008 Raigarh Dt. 16.05.2008 for MS Ingots (33,500 TPA) and TMT Bar (4,800 TPA). Thereafter, EC was granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 29/03/2011 for expansion including Sponge Iron (90,000 TPA), MS Billets (33,500 TPA to 1,23,500 TPA), TMT Bars/Structural Steels/Wire Rod Mill (4,800 TPA to 94,800 TPA), along with WHRB Power Plant (6.0 MW) and FBC Power Plant (12 MW). Further, Extension of EC validity (upto 28/03/2021 for unimplemented units) and Amendment in EC (Break up FBC Power Plant from 1 x 12 MW to 1 x 4 MW & 1 x 8 MW) was granted by MoEF vide F.No. J-11011/308/2009-IA II(I) dt. 09/07/2018. PP further obtained No Increase in Pollution Load” certificate under section 7(ii)c vide letter no. 6172/TS/CECB/2020 dt. 13/10/2020 for additional 30,000 TPA Sponge Iron production capacity. CTE (under NIPL) obtained vide letter no. 6313/TS/HO/CECB/2020 dated 19/10/2020 for Additional Sponge Iron capacity of 30,000 TPA (Kiln #4), along with WHRB (2 MW) and Brick Plant (80,000 bricks/day). The latest CTO granted vide letter no. 11977/TS/CECB/2025 Naya Raipur dt. 19/03/2025 for Sponge Iron 120000 TPA, MS Billets / Ingots – 1,23,500 TPA, Rolling Mill (Hot Charging) – 94,800 TPA, WHRB Power Plant – 6.0 MW, FBC Power Plant – 4.0 MW.

3. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/ domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
4. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
5. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
6. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
7. The Committee noted that the project is a brownfield proposal. The ToR was granted on 24.11.2021 i.e. prior to issuance of GSR 85(E). The EAC apprised the proposal taking into consideration the mitigation measures proposed by the project proponent w.r.t. the proposed site and nearby sensitive receptors. The EAC also reviewed the compliance statement submitted by the project proponent regarding aspects such as land acquisition status / presence of streams or nallahs within the site / validity of baseline data / validity of the Certified Compliance Report / validity of the Public Hearing (PH), among other relevant factors. Upon examination, the Committee found the submission satisfactory for further appraisal of the proposal.
8. The total land envisaged for the project, including expansion, is 32.890 Ha, comprising 11.141 Ha of existing plant land and 21.749 Ha of proposed additional land. Out of the total land, 20.926 Ha is registered in the name of the company, while the remaining 11.964 Ha is in the name of a sister concern company and its Director, for which a 99-year long-term lease deed has been executed.
9. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that the nearest habitation is Barpali village, located at a distance of about 0.50 km in the north-west direction from the project site, along with other environmental features present within the study area. The Committee opined that the Project Proponent shall identify, village-wise, all sensitive receptors including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and implemented, along with a separate, clearly defined budget allocation for each affected village.

10. The EAC further opined that the project proponent shall, in consultation with a reputed public health institution/ agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned
11. The Committee noted the presence of several Reserved Forests within the study area, including Urdana RF (~1.20 km, S), Taraimal RF (~0.60 km, N), Rabo RF (~0.68 km, SW), Samaruma RF (~6.00 km, NNE), Barkachhar PF (~8.80 km, E), Khardungari PF (~8.40 km, SEE), Punjipathra PF (~6.00 km, NE) and Pajhar PF (~8.00 km, NE). In view of the proximity of the project to these forest areas, the Committee emphasized that adequate mitigation measures shall be implemented to prevent any adverse impact on the surrounding forest ecosystem.
12. Korapali Nallah is at a distance of 1.5 km in North, Bardeh Jharna Nallah at 1.6 km in West along with other water bodies within the study area of the project site. The EAC opined that robust and foolproof Drainage Conservation measures shall be implemented to protect the natural drainage and its flow parameters; along with Soil conservation and Erosion control measures.
13. Water requirement in the operating plant is 645 KLD and same being sourced from Ground water source. Water required for the proposed expansion project will be 3170 KLD and same will be sourced from Bardeh Jharna Nallah, passing at distance of 1.6 Kms. from the plant site. Total water requirement after the proposed expansion will be 3815 KLD. A dedicated water pipeline will be laid upto the plant site. MoU has been signed with Govt. of Chhattisgarh. As part of MoU water allocation is assured for the project. The EAC opined that the PP shall secure the required approval from the appropriate authority. Further the pipeline shall be laid in a time bound manner with all the requisite permissions from the competent authority.
14. It is reported that Schedule-I species are present within the study area, including Indian monitor lizard (*Varanus bengalensis*), Indian peafowl (*Pavo cristatus*), Sloth bear (*Melursus ursinus*), Pangolin (*Manis crassicaudata*) and Elephant (*Elephas maximus*). The Committee further noted that movement of elephants has been observed within a 10 km radius of the project site. In this regard, the Project Proponent has prepared a Wildlife Conservation and Management Plan for conservation of Schedule-I fauna. Subsequently, the PCCF has approved the Conservation Plan with a budgetary provision of Rs. 17.06 lakhs to be implemented over a period of five years. The EAC opined that the recommendations of the approved plan shall be ensured to be strictly implemented in coordination with the State Forest Department.
15. The Committee deliberated on the public hearing issues, and the socio-economic Development plan, with allocation of Rs. 10.5 crores for implementation of the commitments made during Public Hearing and found it satisfactory.
16. The EAC opined that PP shall implement skill development programs in a way to align with relevant Government initiatives (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. With regard to the above, PP shall chalk out a detailed action plan and monitoring mechanism, which shall include details

target beneficiaries, training modules, expected outcomes, and periodic progress reports shall be maintained and submitted to RO MoEFCC.

17. The PP reported that total greenbelt area of 10.93 Ha (27.0 acres), inclusive of existing plantation, shall be developed within the plant premises. At present, about 8,120 plants have already been established. The total plantation after expansion will be about 27,300 plants, with additional plantation of 19,180 plants to be completed in a phased manner over a period of three years (7,000 plants in first year, 6,000 plants in second year, and 6,180 plants in third year). The EAC deliberated on the greenbelt action plan and is of the opinion that greenbelt shall be developed within 33% of total project area, as committed, within a period of 2 years and maintained in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025.
18. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
19. The Committee deliberated on the Certified Compliance Report (CCR) issued by the Sub-Office, MoEF&CC, Raipur vide letter dated 23.04.2026, based on site inspection carried out on 03.03.2026. The Committee noted that two non-compliances were observed in the CCR, pertaining to integration of CAAQMS/CEMS data with CPCB/SPCB servers and non-submission of information regarding financial closure and commencement of land development work to the Ministry and Regional Office. The Committee further noted that the Project Proponent has submitted the Action Taken Report (ATR) addressing the observations, wherein it has been reported that CAAQMS and CEMS have been installed and integrated with CPCB and CECB servers, and requisite details regarding financial closure and project implementation have been furnished. After detailed deliberation, the Committee observed that the issues raised are procedural in nature and have been addressed by the Project Proponent; however, the Project Proponent shall ensure strict compliance of all Environmental Clearance conditions and submission of required information to Regional Office of MoEF&CC in a timely manner.
20. The EAC deliberated on the ADS reply of the project proponent and found it satisfactory.
21. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be implemented.
22. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
23. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

24. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

Recommendations of the Committee:

28.11.26 In view of the foregoing and after detailed deliberations, the committee **recommended** the instant proposal under the provisions of EIA Notification, 2006 for grant of Environment Clearance. The EAC categorically noted that the recommendation to grant EC is technical in nature under the provisions of the EIA Notification 2006, and subject to the fulfilment of commitments made by the PP to secure all the permissions/ approvals/ consents from Central/ State Authorities, as may be required. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/ statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013. The specific and general conditions are mentioned below:

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. It is reported that the nearest habitation is Barpali village, located at a distance of about 0.50 km in the north-west direction from the project site, along with other environmental features present within the study area. Project Proponent shall implement a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3 km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, forests, ASI site, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities. The PP shall also include some of these locations in its environmental monitoring programme.
- v. Project Proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall establish and implement a health monitoring system for regular medical check-ups of the local population, and take suitable preventive and remedial measures to address any adverse health outcomes, with records maintained and reported to the concerned regulatory authorities.

- vi. There are several Reserved Forests within the study area, including Urdana RF (~1.20 km, S), Taraimal RF (~0.60 km, N), Rabo RF (~0.68 km, SW), Samaruma RF (~6.00 km, NNE), Barkachhar PF (~8.80 km, E), Khardungari PF (~8.40 km, SEE), Punjipathra PF (~6.00 km, NE) and Pajhar PF (~8.00 km, NE). In view of the proximity of the project to these forest areas, adequate mitigation measures shall be implemented to prevent any adverse impact on the surrounding forest ecosystem.
- vii. Korapali Nallah is at a distance of 1.5 km in North, Bardeh Jharna Nallah at 1.6 km in West along with other water bodies within the study area of the project site. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- viii. Water requirement in the operating plant is 645 KLD and same being sourced from Ground water source. Water required for the proposed expansion project will be 3170 KLD and same will be sourced from Bardeh Jharna Nallah, passing at distance of 1.6 Kms. from the plant site. Total water requirement after the proposed expansion will be 3815 KLD. PP shall secure the required approval from the appropriate authority. Further the pipeline shall be laid in a time bound manner with all the requisite permissions from the competent authority.
- ix. Green Belt shall be developed and maintained in the 10.93 ha area (33% of total project area), as committed and in conformity with MoEF&CC's OM vide F.No. IA3-22/14/2025-IA.III (E-275538) dated 29.10.2025. PP shall develop the greenbelt within a period of 2 years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- x. The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (<https://merilife.nic.in>).
- xi. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented, which is amounting to approx. Rs. 10.5 crores. The action plan shall also cover activities related to (i) promotion of environmental education and awareness (including green skills), and (ii) sub-plan to address the vulnerable sections (*such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill*). An institutional mechanism shall be developed for monitoring the implementation of the commitments made, which shall also manage and address public grievances. The progress of implementation of PH Action plan and grievance redressal shall be submitted regularly to the Regional Office of MoEF&CC.
- xii. PP shall implement the skill development programs, in alignment with relevant Government initiatives/ programmes (like Mission LiFE, ODOP, GSDP etc.) to enhance employability and livelihood opportunities for local communities. These programs shall be designed in consultation with the concerned authorities, such as the District Skill Development Mission, State Government agencies, or other relevant institutions. A detailed action plan and monitoring mechanism (covering target beneficiaries, training modules, and expected outcomes) be prepared for the above. Periodic progress reports shall be maintained, and submitted to RO MoEFCC.
- xiii. The Solid Waste Management Plan for the proposed project shall be implemented in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions for segregation, collection, storage,

processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be prepared and implemented.

- xiv. PP shall Install CO sensors with alarms at strategic locations in the Plant.
- xv. PP shall implement cleaner production and waste minimisation measures, and initiate coordinated action on activities of environmental awareness, education and conservation (covering plantation, solar energy, water harvesting, waste management, green skills etc.) through a dedicated institutional mechanism. The actions shall be monitored reported to RO MoEF&CC on regular basis through the self compliance reporting mechanism.
- xvi. PP shall establish a dedicated in-house Research & Development (R&D) cell aimed at identifying, evaluating, and implementing emerging clean technologies. The focus of this cell will be on enhancing process efficiency, minimizing waste generation, and promoting circular economy practices within the plant operations. The effectiveness of the R&D initiatives shall be reviewed periodically, and outcomes contributing to sustainability shall be documented and reported
- xvii. The project proponent shall conduct periodic soil health monitoring in and around the plant premises, including agricultural fields within a 5 km radius, to assess potential impacts from industrial operations. Soil samples shall be analyzed at least twice a year for parameters including pH, electrical conductivity, organic carbon, macronutrients (N, P, K), micronutrients (Zn, Fe, Mn, Cu), and heavy metals (As, F, Pb, Hg, Cd, Cr). The results shall be recorded, compiled and submitted to the State Pollution Control Board and Regional Office of MoEF&CC, and remedial measures shall be undertaken in case of any adverse trends.
- xviii. The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xix. PP shall implement a Green Mobility Plan within the plant premises in a phased manner, including the use of electric transport for employees and materials, to minimize vehicular emissions and congestion.
- xx. PP shall install windscreen barriers/ wind-breaking walls along village-facing boundaries to reduce dust dispersion.
- xxi. Project Proponent shall ensure strict compliance of all Environmental Clearance conditions and submission of required information to the Regional Office of MoEF&CC in a timely manner.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.
- x. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
- xi. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xiii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xiv. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
- xv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.

- xvi. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xvii. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xviii. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xix. Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
- xx. The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
- xxi. The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
- xxii. Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m³ for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants.
- xxiii. Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
- xxiv. The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
- xxv. The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.
- xxvi. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxvii. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
- xxviii. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xxix. Low NO_x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time

according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- x. The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
- xi. Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
- xii. The rejects/ middling should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run off from reject dumping sites.
- xiii. An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
- xiv. Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
- xv. Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
- xvi. No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m³/tonne of raw coal.
- xvii. Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four

times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.

- xviii. The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government
- xix. Air Cooled condensers shall be used in the captive power plant.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- iii. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

V. Energy Conservation measures

- i. Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
- ii. Restrict Gas flaring to < 1%.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- iv. Provide LED lights in their offices and residential areas.
- v. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- vi. Practice hot charging of slabs and billets/blooms as far as possible.
- vii. Ensure installation of regenerative type burners on all reheating furnaces.
- viii. The project proponent shall provide waste heat recovery system on the DRI Kilns.
- ix. The dolochar generated shall be used for power generation.
- x. Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
- xi. The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees

(PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.

- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. Solid waste utilization
 - a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
 - b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
 - c. Used refractories shall be recycled as far as possible.
- vii. SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
- viii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
- ix. Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
- xiii. Rejects / Middlings from coal washery shall be used either in the captive power plant (or) in the Thermal Power Plants or any other industry meeting emission standards.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.

- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented

- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Agenda No. 28.12

28.12 Expansion of Bank Note Paper Mill (from 16000 TPA to 28000 TPA) by M/s Bank Note Paper Mill India Pvt Ltd, located at Note Mudran Nagar, Metagalli, Mysore, State-Karnataka- Consideration of TOR.

[Proposal no.: IA/KA/IND1/574024/2026; File No. IA-J-11011/239/2010-IA-II (I)]

- 28.12.1 M/s. Bank Note Paper Mill India Pvt Ltd. has made an application online vide proposal no. IA/KA/IND1/574024/2026 dated 07.05.2026 with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S.No. 5(i) Pulp & paper industry under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

Details submitted by Project proponent

- 28.12.2 The project of M/s. Bank Note Paper Mill India Pvt. Ltd. located at Entry Gate-1, Note Mudran Nagar, Metagalli, Mysore, Karnataka is for expansion of Bank Note Paper Mill through increment in production of Bank Note Paper from 16000 TPA to 28000 TPA.

- 28.12.3 Details of EDS:

EDS generated on 05.04.2026

S. No.	EDS Point	EDS Reply
1.	Required Document (Wildlife and Forest related documents) not uploaded by project proponent. -The 2011 EC mentions a specific condition to obtain NBWL clearance. PP may upload the same for further consideration of the proposal.	NBWL clearance is not applicable to the proposed expansion as the unit is situated within the notified industrial area of the Karnataka Industrial Area Development Board (KIADB) and lies outside the Eco-Sensitive Zone (ESZ) boundary of the Ranganathittu Bird Sanctuary. The existing project site is located approximately 6 km from the ESZ boundary and about 7 km from the sanctuary. The same has been authenticated by the Office of the Chief Conservator of Forests, Mysuru Circle vide letter No. C1/Bhumi/R.B.I/GL-297/10-11 dated 03.04.2014. same uploaded on parivesh portal respective tab. The proposed expansion will be undertaken adjacent to the existing plant within Mysore Mudran Nagar, which is located in the notified industrial estate.
2.	Deficiency in application form (Clarity on Area) -PP may submit specific details of existing area and proposed area, in different colors, on kml file. Further, the overall area mention in the form and covered through the kml file are not matching. The same may be reviewed and resubmitted.	In revised kml file existing area polygon marked in red color having area 36.216 acre (146560.95 m ²) and proposed area polygons marked in green color having area 10.612 acre (42946.05 m ²). Total area will be 46.828 Acre (189507.00 m ²). Revised kml is uploaded on parivesh portal respective tab.
3.	Required Document not uploaded by project proponent (Land-related documents) -PP may provide the status of ownership of land proposed to be added in instant expansion phase.	Project is Located under Jurisdiction of KIADB (Belagola Industrial Area). KIADB had allotted land to Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL) in which BRBNMPL has leased out the land parcels

S. No.	EDS Point	EDS Reply
		required for BNPM. BRBNMPL is one of the parent company of BNPM. Land lease document of existing 36.216 acre and proposed 10.612 acre is uploaded on parivesh portal respective tab.

EDS generated on 28.04.2026

S. No.	EDS Point	EDS Reply
1.	Upon examination of the submitted KML file, it has been observed that approximately 2.4 acres of the proposed expansion area (marked in green colour) overlaps with the existing project area (marked in red colour). In view of this discrepancy, the PP may kindly furnish a clarification along with revised authenticated KML/land boundary details, if applicable.	2.4-acre portion of the proposed site currently houses a CISF Barrack (Bachelor Accommodation) and a high-security Armory. These structures existed prior to formation of BNPMIPL and were originally retained by BRBNMPL during the initial land transfer as they were essential for CISF operations. However, as this land is now required for the proposed project expansion, specifically for establishing paper machine and pulping plants, BRBNMPL has agreed to hand over this land and relocate the facilities nearby. Construction of the new CISF Barrack and Armory has already been commenced in different location and is expected to be completed shortly." Once the new building is ready, the existing Barrack and armoury building shall be demolished to construct the new buildings for machines.

28.12.4 Environmental Site Settings:

Sl. No.	Particulars	Details	Remarks						
i.	Total land	18.9507 ha (Existing 14.6561+ Proposed 4.2946 ha) [KIADB Land]	Land Use: Industrial Land						
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Project is Located under Jurisdiction of KIADB (Belagola Industrial Area). KIADB had allotted land to Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL) in which BRBNMPL has leased out the land parcels required for BNPM. BRBNMPL is one of the parent company of BNPM.	--						
iii.	Existence of habitation & involvement of R&R, if any.	Project Site: The unit is located in Belagola Industrial Area. The unit is existing and under operation. No habitation exists in additional land; Hence no R & R is involved. Study Area: Belvatta village – 0.22 km	R & R not required.						
iv.	Latitude and Longitude of all corners of the project site.	<table><tr><th>Corner</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1.</td><td>12°21'45.32"N</td><td>76°38'36.95"E</td></tr></table>	Corner	Latitude	Longitude	1.	12°21'45.32"N	76°38'36.95"E	--
Corner	Latitude	Longitude							
1.	12°21'45.32"N	76°38'36.95"E							

Sl. No.	Particulars	Details			Remarks																														
		2.	12°21'48.22"N	76°38'37.63"E																															
		3.	12°21'43.78"N	76°38'46.06"E																															
		4.	12°21'43.82"N	76°38'47.40"E																															
		5.	12°21'40.44"N	76°38'51.36"E																															
		6.	12°21'40.42"N	76°38'51.63"E																															
		7.	12°21'39.23"N	76°38'52.58"E																															
		8.	12°21'34.91"N	76°38'53.81"E																															
		9.	12°21'34.00"N	76°38'49.30"E																															
		10.	12°21'33.04"N	76°38'49.03"E																															
		11.	12°21'30.42"N	76°38'50.00"E																															
		12.	12°21'31.00"N	76°38'36.79"E																															
		13.	12°21'33.94"N	76°38'36.13"E																															
		14.	12°21'34.11"N	76°38'38.21"E																															
		15.	12°21'37.08"N	76°38'37.60"E																															
		16.	12°21'44.65"N	76°38'39.58"E																															
		17.	12°21'30.22"N	76°38'43.29"E																															
		18.	12°21'30.06"N	76°38'46.84"E																															
		19.	12°21'29.98"N	76°38'46.89"E																															
		20.	12°21'29.95"N	76°38'47.27"E																															
		21.	12°21'27.69"N	76°38'47.08"E																															
		22.	12°21'28.02"N	76°38'43.46"E																															
		23.	12°21'28.99"N	76°38'43.49"E																															
		24.	12°21'29.02"N	76°38'43.22"E																															
v.	Elevation of the project site	767-782 m above mean sea level				--																													
vi.	Involvement of Forest land if any	No, project does not involved forest land.			--																														
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project Site: None Study Area: <table><tr><th>Water Body</th><th>Distance</th><th>Direction</th></tr><tr><td>Kaveri River</td><td>6.45</td><td>NE</td></tr><tr><td>Paschimavahini River</td><td>6.03</td><td>NE</td></tr><tr><td>Kukkarahalli Lake</td><td>5.15</td><td>SSW</td></tr><tr><td>Bommanahalli lake</td><td>5.69</td><td>WSW</td></tr><tr><td>Karanji Lake</td><td>6.62</td><td>SEE</td></tr><tr><td>Dodda Kere lake</td><td>4.33</td><td>SEE</td></tr><tr><td>Belwadi Kere lake</td><td>8.74</td><td>SWW</td></tr><tr><td>Canal near Palahalli</td><td>6.74</td><td>N</td></tr><tr><td>Varuna Canal</td><td>0.04</td><td>E</td></tr></table>			Water Body	Distance	Direction	Kaveri River	6.45	NE	Paschimavahini River	6.03	NE	Kukkarahalli Lake	5.15	SSW	Bommanahalli lake	5.69	WSW	Karanji Lake	6.62	SEE	Dodda Kere lake	4.33	SEE	Belwadi Kere lake	8.74	SWW	Canal near Palahalli	6.74	N	Varuna Canal	0.04	E	--
Water Body	Distance	Direction																																	
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Belwadi Kere lake	8.74	SWW																																	
Canal near Palahalli	6.74	N																																	
Varuna Canal	0.04	E																																	
viii.	Existence of ESZ / ESA / National Park / Wildlife Sanctuary /	Study Area: Ranganathittu Bird Sanctuary is at 7 km from the Project Site.			--																														

Sl. No.	Particulars	Details	Remarks
	Biosphere Reserve / Tiger Reserve / Elephant Reserve etc. if any within the study area	List of Reserved and protected forests: Chamundi Reserve Forest – 9.48 km in SSE	

28.12.5 The existing project was accorded environmental clearance for manufacturing of 12000 TPA Bank Note vide F.no. J-11011/239/2010-IA-II (I) dated 29th April, 2011. After that unit has obtained expansion through Environmental Clearance granted on 1st May 2018 for expansion of Bank Note Paper from 12000 TPA to 16000 TPA. Unit has a valid Consent for Operation from State Pollution Control Board, vide order no AW-331281 dated 16.05.2022 which is valid up to 30.06.2026.

28.12.6 Implementation status of the existing EC:

S. No.	Facilities	Units	As per EC dated	Implementation Status	Production as per CTO
1.	Currency note paper	1	29 th April 2011	12000 TPA	12000 TPA
2	Currency note paper / bank note paper	1	1 st May 2018	12000 + 4000 TPA = 16000 TPA	12000 + 4000 TPA = 16000 TPA

28.12.7 The unit configuration and capacity of existing and proposed project is given as below:

Sl. No.	Plant Equipment / Facility	Existing facilities as per EC dated 29 th April, 2011 & 1 st May 2018	Proposed Units	Final (Existing + Proposed)
1	Currency note paper / bank note paper	16000 TPA	12000 TPA	28000 TPA

28.12.8 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

S. No.	Raw Material	Quantity required per annum			Source	Distance from site (Kms)	Mode of Transportation
		Existing	Expansion	Total			
1.	Cotton comber	47.5 TPD	37.5 TPD	85 TPD	From Cotton Spinning mills	1000 km	Bags in Trucks
2.	Cotton Linters	2.5 TPD	2.5 TPD	5 TPD	From Linter manufacturing units	1000 km	Bags in Trucks

28.12.9 Existing Water requirement is 1362 m³/day, which is obtained from pump house at bank of Cauvery River at Balamuri and permission for the same has been obtained from KUWS&DB (Karnataka Urban Water Supply & Drainage Board) vides letter no. KWB/MYS/DIV/EE/TEC/TA/AE-1/12/2025-26 dated 02.04.2025. The water requirement for the proposed expansion project is

estimated as 5556 m³/day, out of which 2401 m³/day of fresh water requirement will be obtained from the. KUWS&DB (Karnataka Urban Water Supply & Drainage Board) vides letter no. KWB/MYS/DIV/EE/TEC/TA/AE-1/12/2025-26 dated 02.04.2025 and the remaining requirement of 3155 m³/day will be met from the treated water (RO Permeate).

28.12.10 Existing power requirement of 13 MVA is obtained from Karnataka Power Transmission Corporation Limited (KPTCL). The power requirement for the proposed expansion project is estimated as 10 MVA, which will be obtained from the Karnataka Power Transmission Corporation Limited (KPTCL).

28.12.11 The capital cost of the project is Rs. 6975 Crores (Existing 1600 + Proposed 5375) and the capital cost for environmental protection measures is proposed as Rs. 85.50 Crores (Existing 30.50 + Proposed 55). The employment generation from the proposed project / expansion is 500 Nos.

28.12.12 It is reported that there is no violation under EIA, 2006/Court case/show cause/ direction related to the project.

28.12.13 Proposed Terms of Reference (**Baseline data collection period:** 15th December 2025 to 15th March 2026)

Attributes	Parameters	Sampling		Remarks
		No. of Stations	Frequency	
A. Air				
a. Meteorological Parameters	Temperature, Wind Speed, Relative Humidity, Solar Radiation	01 Location	Throughout Study Period	--
b. AAQ Parameters	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ CO	08 Location	Twice in a Week	--
B. Noise	Day Equivalent Night Equivalent	13 Locations	Once during Baseline Monitoring Period	--
C. Water				
Surface Water Quality Parameters	Physical, Chemical and Bacteriological Parameters	8 Locations	Once during Baseline Monitoring Period	--
Ground Water Quality Parameters	Physical, Chemical and Bacteriological Parameters	9 Locations	Once during Baseline Monitoring Period	--
D. Land				
a. Soil Quality	Water Holding Capacity, Texture, Porosity, SAR, CEC, pH, Ca,	8 Locations	Once during Baseline Monitoring Period	--

Attributes	Parameters	Sampling		Remarks
		No. of Stations	Frequency	
	Mg, Na, K, Zn, Mn etc.			
b. Land Use	LU map of the Study Area	Study Area	--	--
E. Biological				
a. Aquatic	--	--	--	--
b. Terrestrial	--	Within Study Area	Once during Baseline Monitoring Period	--
F. Socio-Economic Parameters	--	Villages within Study Area	Once during Baseline Monitoring Period	--

28.12.14 Compliance status of office memorandums issued by MoEF&CC is as follows:

S.No.	Particular	OM applicability	Compliance Status
1.	Status of land acquisition	- Office Memorandum dated 07.10.2014 having F. No. 22-76/2014-IA-III. - Office Memorandum dated 29.03.2022 having F. No. IA3-22/10/2022-IA.III [E 177258].	Complied. Project is Located under Jurisdiction of KIADB (Belagola Industrial Area). KIADB had allotted land to Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL) in which BRBNMPL has leased out the land parcels required for BNPM. BRBNMPL is one of the parent company of BNPM. Land lease document of existing 36.216 acre dated 15.11.2017 and proposed 10.612 acre dated 26.02.2026 is submitted.
2.	Water connection	Office Memorandum dated 29.03.2022 having F. No. IA3-22/10/2022-IA.III [E 177258]	Complied. Total Fresh water 2401 KLD after expansion will be met through Cauvery river. BNPM is having an renewal agreement with KUWS&DB (Karnataka Urban Water Supply & Drainage Board) dated 02.04.2025 for supply of water required for the mill.
3.	Presence of stream/ nallah within site	--	Complied. Stream/ nallah presence is not there from site.
4.	Validity of baseline data	Office Memorandum dated 08.06.2022 having F. No. IA3-22/10/2022-IA.III [E 177258]	Complied. Proposal is for the grant of ToR. Baseline period considered for this project is 15th Dec 2025 to 15th Mar 2026 which is valid till 15 th march 2029.

Written submission by the PP:

28.12.15 During the meeting, based on the deliberations made by the EAC, the project proponent vide letter dated 22.05.2026 through email dated 22.05.2026 submitted the following:

“In the submitted KML file, the total land area within the red colour boundary is 38.6 acres. However, out of this, an area of 2.4 acres is presently occupied by existing CISF Barrack and high-security Armoury units of BRBNMPL and therefore was not handed over to BNPMIPL during implementation of the existing project. Accordingly, the effective existing project area is 36.2 acres.

The aforesaid 2.4-acre land parcel is not part of the existing project area. However, during the proposed expansion, BRBNMPL has proposed to relocate the existing CISF Barrack and Armoury units to another location. Upon such relocation, the said 2.4-acre area is already allotted to BNPMIPL for the proposed expansion project.

Further, the proposed expansion area shown in green colour in the KML file is 10.6 acres, which includes the above-mentioned 2.4-acre land parcel. Accordingly, the total project area after proposed expansion will be 46.8 acres. “

Deliberation by the Committee

28.12.16 The Committee noted the following:

- i. The instant proposal is for expansion of Bank Note Paper Mill through increment in production of Bank Note Paper from 16000 TPA to 28000 TPA.
- ii. The existing project was accorded environmental clearance for manufacturing of 12000 TPA Bank Note vide F.no. J-11011/239/2010-IA-II (I) dated 29th April, 2011. After that unit has obtained expansion through Environmental Clearance granted on 1st May 2018 for expansion of Bank Note Paper from 12000 TPA to 16000 TPA. Unit has a valid Consent for Operation from State Pollution Control Board, vide order no AW-331281 dated 16.05.2022 which is valid up to 30.06.2026.
- iii. The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- iv. PP reported that the total land area is 18.9507 ha comprising 14.6561 ha of existing land and an additional 4.2946 ha, all falling under KIADB industrial land. The project site is located within the jurisdiction of KIADB (Belagola Industrial Area), wherein the land has been allotted to Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL). The required land parcels have been leased to the Project Proponent, and BRBNMPL, being one of the parent entities, facilitates the land allocation for the proposed development. The EAC opined that PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- v. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that Mysuru is at 4.5 km along with other sensitive receptors within the study area of the project site. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.

- vi. Varuna Canal is at a distance of 0.04 km in East of the project site. The EAC opined that PP shall obtain the NOC from the WRD and submit the same with the EIA/EMP report. There are several other water bodies within the study area of the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vii. Ranganathittu Bird Sanctuary is reported at 7 km from the Project Site. The EAC opined that PP shall submit the distance certificate along with authenticated map from the State Forest Department. The certificate shall also carry the geograohical coordinates of the project site.
- viii. The water requirement for the proposed expansion project is estimated as 5556 m³/day, out of which 2401 m³/day of fresh water requirement will be obtained from the Karnataka Urban Water Supply & Drainage Board and the remaining requirement of 3155 m³/day will be met from the treated water (RO Permeate). The EAC opined that PP shall secure necessary permission from the Competent Authority.
- ix. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.
- x. The EAC deliberated on the written submission of the project proponent and found it satisfactory.

Recommendations of the Committee

28.12.17 After deliberations, the Committee **recommended** the proposal for prescribing specific ToRs for undertaking detailed EIA and EMP study **subject to uploading of written submission placed before EAC on PARIVESH portal** along with **Public Hearing** in addition to the generic ToRs enclosed at **Annexure-1** read with additional ToRs at **Annexure-2**. The EAC categorically noted that the recommendation to grant ToR is technical in nature under the provisions of the EIA Notification 2006, and based on the information submitted by the PP and commitments made during deliberations. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013 and G.S.R. 85(E) dated 30th January, 2025 pertaining to “*Criteria For Establishment Of Industrial Plant*”, as amended. The specific ToRs are mentioned below:

- (i) PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- (ii) Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
- (iii) PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally

sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.

- (iv) Varuna Canal is at a distance of 0.04 km in East of the project site. PP shall obtain the NOC from the WRD and submit the same with the EIA/EMP report.
- (v) There are several water bodies within the study area of the project site. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
- (vi) The water requirement for the proposed expansion project is estimated as 5556 m³/day, out of which 2401 m³/day of fresh water requirement will be obtained from the Karnataka Urban Water Supply & Drainage Board and the remaining requirement of 3155 m³/day will be met from the treated water (RO Permeate). PP shall secure necessary permission from the Competent Authority.
- (vii) Ranganathittu Bird Sanctuary is reported at 7 km from the Project Site. PP shall submit the distance certificate along with authenticated map from the State Forest Department. The certificate shall also carry the geograohical coordinates of the project site
- (viii) Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
- (ix) The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
- (x) Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
- (xi) The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
- (xii) Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the

annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.

- (xiii) Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
- (xiv) The “make-up” water required during the operation be reported, without any ambiguity.
- (xv) The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
- (xvi) An action plan must be drawn up and implemented for maximum harvesting of rain water.
- (xvii) The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
- (xviii) PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
- (xix) Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
- (xx) PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
- (xxi) PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

Agenda No. 28.13

28.13 Expansion of existing Pellet Plant from 0.6 MTPA and 5 X 5000 Nm³/Hr PGP (4 Working +1 Stand by) to final capacity of 1.6 MTPA Pellet Plant, 5 X 5000 Nm³/Hr PGP (5 Working), Iron ore Beneficiation Plant 2 MTPA (Throughput), DRI Plant 0.429 MTPA, CPP 40 MW (2X15MW WHRB,10MW AFBC), IF 0.4125 MTPA, Iron ore crushing& screening Plant 1 MTPA and Fly Ash Brick Plant 0.3 MTPA by M/s. Kashvi International Pvt Ltd, located at Village -Champadihi, Tehsil-Jhumpura, Dist- Keonjhar, State-Odisha- Consideration of TOR.

[Proposal no.: IA/OR/IND1/570843/2026; File No. IA-J-11011/73/2019-IA-II (IND-I)]

[Consultant: Visiontek Consultancy Services; Valid upto: 05.12.2028]

28.13.1 M/s. Kashvi International Pvt Ltd. has made an application online vide proposal no. IA/OR/IND1/570843/2026 dated 24.04.2026 along with the application in prescribed format (CAF, Form – I Part A & B), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(a) Metallurgical industries (ferrous and non-ferrous), 2(b) Mineral Beneficiation, 2(c) Pellet Plants and 1(d) Thermal Power Plants under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

Details submitted by Project proponent

28.13.2 The project of M/s Kashvi International Pvt Ltd Limited located at Village -Champadihi, Tehsil-Jhumpura, Dist- Keonjhar, Odisha is for expansion of existing project from 0.6 MTPA Pellet Plant

and 5 X 5000 Nm³/Hr PGP (4Working+1Standby) to final capacity of 1.6 MTPA Pellet Plant, 5 X 5000 Nm³/Hr PGP (5Working), Iron ore Beneficiation Plant 2 MTPA (Throughput), DRI Plant 0.429 MTPA , CPP 40 MW (2X15MW WHRB,10MW AFBC), SMS 0.4125 MTPA, Iron ore crushing & screening Plant 1 MTPA and Fly Ash Brick Plant 0.3 MTPA.

28.13.3 The proposal was considered during the 28th meeting of the EAC for Industry-I sector held during 21st – 22nd May, 2026. The deliberation and recommendations of EAC are as follows:

Deliberations by the Committee

28.13.4 The Committee noted the following:

- i. The Committee deliberated on the proposal for expansion of the project in light of the existing Environmental Clearance granted vide letter dated 12.10.2023 and the subsequent submissions made by the Project Proponent. The Committee noted that the existing project has not yet been commissioned and is presently under construction stage, with no production activity undertaken so far.
- ii. The Committee further noted that at the time of grant of Environmental Clearance dated 12.10.2023, the Project Proponent had indicated that no forest land was involved within the project site. However, as per the revised submissions and verification based on SABIK records, it has now been reported that a portion of the existing project land measuring about 1.416 Ha (3.5 acres) falls under forest land. The Committee observed that this constitutes a material change in the status of land vis-à-vis the earlier EC and requires appropriate examination under the provisions of the Forest (Conservation) Act, 1980.
- iii. The Committee also took note of the submission of the Project Proponent that no construction activity has been undertaken on the identified forest land and that the construction activities are being carried out only on non-forest land as per the Consent to Establish. The Committee further noted that the Project Proponent has applied for diversion of the identified forest land and the proposal for obtaining Forest Clearance is presently under process.
- iv. However, the Committee was of the considered view that the issue pertaining to identification of forest land within the already granted EC area is of substantive nature and requires prior resolution. The Committee observed that continuation of appraisal for expansion, without first addressing the forest land involvement in the existing project area, may lead to regulatory inconsistencies and potential violation of statutory provisions.
- v. The Committee, therefore, emphasized that the Project Proponent shall first obtain the requisite Forest Clearance for the identified forest land falling within the existing EC area and accordingly seek amendment in the existing Environmental Clearance reflecting the correct land status. The Committee also stressed that no construction or project-related activity shall be undertaken on the identified forest land until such time the Forest Clearance is obtained.
- vi. In view of the above, the Committee opined that the proposal for expansion cannot be appraised in the present form and requires resolution of the forest land issue in the existing project area prior to consideration of any further expansion.

Recommendations of the Committee

28.13.5 In view of the foregoing and after detailed deliberations, **the Committee recommended to return the proposal in present form.** PP is advised to take necessary action in accordance with the observations made by the Committee in the deliberation above.

Agenda No. 28.14

- 28.14 Establishment of Greenfield steel plant by B.S. Sponge Pvt. Ltd. (Nawapara Unit) comprising of Iron Pellet plant - 12,00,000 TPA, along Coal Gasifier for Pellet Plant- 2 x 15,000 M³/Hr, Sponge Iron of 8,58,000TPA, Hot Billets/Ingots through Induction Furnaces -7,92,000 TPA& through Electric Arc Furnaces -3,30,000 TPA, TMT/Wire/Strip/Plate/Structural Steel through Rolling Mill with RHF of 7,92,000 TPA, along Coal Gasifier for Reheating Furnace- 2 x 20,000 M³/Hr, Coal Washery Unit of 22,50,000 TPA, SEAFs of 4 x 24 MVA (FeSi-85,000 TPA / FeMn -2,40,000 TPA / SiMn-1,60,000 TPA / FeCr-1,80,000 TPA/ Pig Iron-2,80,000 TPA.), Sinter Plant - 1,32,000 TPA, AOD (MC FeMn/ LC FeMn/ MC FeCr/ LC FeCr)- 1,98,000 TPA, Jigging Plant - 10,000 TPA, Briquetting Unit - 1,000 Kg/hr, Argon Plant -19.8 Mm³, Oxygen Plant - 99 Mm³, Nitrogen Plant - 297 Mm³, Slag Crusher - 50 TPH, WHRB Power Plant-100 MW, FBC Power Plant-100 MW, Fly Ash Brick unit-1,00,000 Bricks/Day by M/s. B S Sponge Private Limited, located at Nawapara (Tenda) & Charmar Villages, Gharghoda Tehsil, Raigarh District, Chhattisgarh-Consideration of TOR.**

[Proposal no.: IA/CG/IND1/571407/2026; File No. IA-J-11011/93/2026-IA-II (IND-I)]
[Consultant: Pioneer Enviro Consultants Private Limited; Valid upto: 09.09.2029]

- 28.14.1 M/s. B.S. Sponge Pvt. Ltd. (Nawapara Unit). has made an application online vide proposal no. IA/CG/IND1/571407/2026 dated 06.05.2026 along with the application in prescribed format (CAF, Form – I Part A & B), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(a) Metallurgical industries (ferrous and non-ferrous), 2(a) Coal washeries and 1(d) Thermal Power Plants under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

Details submitted by Project proponent

- 28.14.2 The project of M/s. B S Sponge Private Limited, located at Nawapara (Tenda) & Charmar Villages, Gharghoda Tehsil, Raigarh District, Chhattisgarh is for establishment of Greenfield steel plant comprising of Iron Pellet plant - 12,00,000 TPA, along Coal Gasifier for Pellet Plant- 2 x 15,000 M³/Hr, Sponge Iron of 8,58,000TPA, Hot Billets/ Ingots through Induction Furnaces -7,92,000 TPA & through Electric Arc Furnaces -3,30,000 TPA, TMT/ Wire/ Strip/ Plate/ Structural Steel through Rolling Mill with RHF of 7,92,000 TPA, along Coal Gasifier for Reheating Furnace- 2 x 20,000 M³/Hr, Coal Washery Unit of 22,50,000 TPA, SEAFs of 4 x 24 MVA (FeSi-85,000 TPA / FeMn -2,40,000 TPA / SiMn-1,60,000 TPA / FeCr-1,80,000 TPA/ Pig Iron-2,80,000 TPA.), Sinter Plant - 1,32,000 TPA, AOD (MC FeMn/ LC FeMn/ MC FeCr/ LC FeCr)- 1,98,000 TPA, Jigging Plant - 10,000 TPA, Briquetting Unit - 1,000 Kg/hr, Argon Plant -19.8 Mm³, Oxygen Plant - 99 Mm³, Nitrogen Plant - 297 Mm³, Slag Crusher - 50 TPH, WHRB Power Plant-100 MW, FBC Power Plant-100 MW, Fly Ash Brick unit-1,00,000 Bricks/Day.

28.14.3 Details of EDS:

EDS raised vide dt.30.03.2026

MITIGATION MEASURES PROPOSED FOR EDUCATIONAL INSTITUTIONS /SCHOOLS

Name of School & Village	Distance	Direction	Mitigation Measures proposed
Primary School Charmar Village	0.65 kms	SW	- The nearest Educational Institutions /school - Greenbelt of width 30 m will be maintained towards the Primary School Charmar Village. 3 rows of plantation will be taken up in the premises of Primary School, Charmar Village. - However winds are predominantly blowing from SW to NE as per IMD, Jharsuguda Annual wind rose
Govt. High School Nawapara(Tenda) Village	1.2 kms	NE	- Greenbelt of width 30 m will be maintained towards the Govt. Middle School, Nawapara Village. 3 rows of plantation will be taken up in the premises of Govt. Middle School, Nawapara Village.
Middle School Bhengari Village	1.4 kms	SE	- Greenbelt of width 20 m will be maintained towards the Govt. Middle School, Bhengari Village. 3 rows of plantation will be taken up in the premises of Govt. Middle School, Bhengari Village.
Primary School Nawapara(Tenda) Village	1.7 kms	NE	- Greenbelt of width 30 m will be maintained towards the Primary School, Nawapara (Tenda) Village. 3 rows of plantation will be taken up in the premises of Primary School, Nawapara (Tenda) Village.
Primary School Dongabhauna Village	1.9 kms	W	- Greenbelt of width 30 m to 100 m will be maintained towards the Primary School dongabhauna Village. 3 rows of plantation will be taken up in the premises of Primary School, Dongabhauna Village.
Thakurdev Public School Dongabhauna Village	2.0 Kms.	W	- Greenbelt of width 30 m to 100 m will be maintained towards the Thakurdev Public School, Dongabhauna Village. 3 rows of plantation will be taken up in the premises of Thakurdev Public School, Dongabhauna Village.
			Other mitigation measures All required environmental protection measures such as ESPs (with high

Name of School & Village	Distance	Direction	Mitigation Measures proposed
			efficiency Rigid discharge electrodes with transformer), Bagfilters (PTFE membrane bagfilters), covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³ • Interlocking system will be provided to ESPs and whenever the Particulate emission exceeds the emission norm, the raw material feed to the unit will stop. Consequently, there will be no production in the unit till the ESP is rectified. • Automated Lime dosing will be provided to bring down the SOx emission to within 100 mg/Nm³. • Low NOx burners with 3-stage combustion, flue gas recirculation and auto combustion system will be provided to ensure NOx emission within 100 mg/Nm³. • Ash will be stored in silos only and there will not be any open storage of ash. • Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. • All transport vehicles will be with PUC certification. • Wheel washing facility will be provided at entry and exit gates. • Zero liquid discharge will be maintained. No wastewater will be discharged outside the plant premises. With the aforementioned measures there will not be any adverse impact on Educational Institutions due to the proposed project.

MITIGATION MEASURES PROPOSED FOR HOSPITALS

Name of the Hospitals	Distance	Direction	Mitigation Measures proposed
Primary Health care Centre Nawapara (Tenda) Village	1.4 Kms	NE	• Greenbelt of width 30 m will be maintained towards the Primary Health care Centre Nawapara (Tenda) Village. • 3 rows of plantation will be planted inside & outside of Primary Health care Centre, Nawapara (Tenda) Village premises • Project site is well connected to Major District Road and no vehicle movement towards Hospital side.

			• It is ensured that proper road maintenance will be taken up to minimize dust generation. • All required environmental protection measures such as ESPs (with high efficiency Rigid discharge electrodes with transformer), Bagfilters (PTFE membrane bagfilters), covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³ • Interlocking system will be provided to ESPs and whenever the Particulate emission exceeds the emission norm, the raw material feed to the unit will stop. Consequently, there will be no production in the unit till the ESP is rectified. • Automated Lime dosing will be provided to bring down the SO_x emission to within 100 mg/Nm³. • Low NO_x burners with 3-stage combustion, flue gas recirculation and auto combustion system will be provided to ensure NO_x emission within 100 mg/Nm³. • Use acoustic enclosures for major equipment (compressors, DG sets, blowers). • Restrict high-noise activities during night time. • Maintain buffer distance and plant trees to reduce noise propagation. • Ash will be stored in silos only and there will not be any open storage of ash. • Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. • All transport vehicles will be with PUC certification. • Wheel washing facility will be provided at entry and exit gates. • Zero liquid discharge will be maintained. No wastewater will be discharged outside the plant premises With the aforementioned measures there will not be any adverse impact on Primary Health care Centre, Nawapara (Tenda) Village due to the proposed project.

MITIGATION MEASURES PROPOSED FOR HABITATIONS / VILLAGES

Name of the Habitations / Villages	Distance	Direction	Mitigation Measures proposed
Few Commercial shops belongs to Charmar Village	0.04 kms	(W).	- Greenbelt of width 30 m to 100 m will be maintained towards the shops belongs to Charmar Village. - Winds are predominantly blowing from SW to NE as per IMD, Jharsuguda Annual wind rose - Out of total 35.37 Ha. of land, 12.15 Ha. i.e. 34 % of land is envisaged for greenbelt.
Charmar Village	0.52 Kms	(SW)	- Greenbelt of width 30 m will be maintained towards the shops of Charmar Village. 1000 nos. of plants will be planted in Charmar Village. - Winds are predominantly blowing from SW to NE as per IMD, Jharsuguda Annual wind rose - Out of total 35.37 Ha. of land, 12.15 Ha. i.e. 34 % of land is envisaged for greenbelt.
Dangninar Village	1.0 kms	(NNW)	- Greenbelt of width 20 m will be maintained towards the Dangninar Village. 1000 no. of plants will be planted in Dangninar Village.
Bansmura Village	1.10kms	(N)	- Greenbelt of width 20 m will be maintained towards the Bansmura Village. 500 no. of plants will be planted in Bansmura Village.
Nawapara(Tenda) Village	1.18 kms	(NE)	- Greenbelt of width 30 m will be maintained towards the Nawapara (Tenda) Village. 500 no. of plants will be planted in Nawapara (Tenda) Village.
Bhengari Village	1.3 kms	(E)	- Greenbelt of width 20 m will be maintained towards the Bhengari Village. 500 no. of plants will be planted in Bhengari Village.
Dongabhauna Village	1.6 kms	(W)	- Greenbelt of width 30 m to 100 m will be maintained towards the Dongabhauna Village. 500 no. of plants will be planted in Dongabhauna Village.
Lotan Village	2.7 kms	(SW)	- Greenbelt of width 30 m will be maintained towards the Lotan Village. 500 no. of plants will be planted in Lotan Village
			Other mitigation measures All required environmental protection measures such as ESPs (with high efficiency Rigid discharge electrodes with

Name of the Habitations / Villages	Distance	Direction	Mitigation Measures proposed
			transformer), Bagfilters (PTFE membrane bagfilters), covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³ • Interlocking system will be provided to ESPs and whenever the Particulate emission exceeds the emission norm, the raw material feed to the unit will stop. Consequently, there will be no production in the unit till the ESP is rectified. • Automated Lime dosing will be provided to bring down the SO_x emission to within 100 mg/Nm³. • Low NO_x burners with 3-stage combustion, flue gas recirculation and auto combustion system will be provided to ensure NO_x emission within 100 mg/Nm³. • Ash will be stored in silos only and there will not be any open storage of ash. • Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. • All transport vehicles will be with PUC certification. • Wheel washing facility will be provided at entry and exit gates. • Zero liquid discharge will be maintained. No wastewater will be discharged outside the plant premises. With the aforementioned measures there will not be any adverse impact on Habitations / Villages due to the proposed project.

MITIGATION MEASURES PROPOSED FOR FORESTS

Name of Forests	Distance	Direction	Mitigation Measures proposed
Scrub Forest	0.08 kms	SE	• Greenbelt of width 20 m will be maintained towards the Scrub Forest.
Lamikhair RF	1.4 kms	(NW)	• Greenbelt of width 30 m will be maintained towards the Lamikhair RF.
Suhai RF	1.6 kms	(SE)	• Greenbelt of width 20 m will be maintained towards the Suhai RF.
Dhumapahari RF	1.6 kms	(W)	• Greenbelt of width 30 m to 100 m will be maintained towards the Dhumapahari RF.
Bhengari PF	1.2 kms	(S)	• Greenbelt of width 20 m to 30 m will be maintained towards the Bhengari PF

Name of Forests	Distance	Direction	Mitigation Measures proposed
Chhindpani PF	2.1 km	(E)	Greenbelt of width 20 m will be maintained towards the Chhindpani PF
Panikhet PF	2.8 km	(S)	Greenbelt of width 20 m to 30 m will be maintained towards the Panikhet PF
Katangdi PF	2.95kms	(NE)	Greenbelt of width 30 m will be maintained towards the Katangdi PF
			Other mitigation measures - In order to reduce the impact of light on animals, lighting will be used as and when needed with properly shielded outdoor lights, blinds in the rooms will be closed by evening. - Regarding safety aspects, motion detector light will be provided. - Acoustic enclosures will be provided to STG, DG sets, etc. Thick greenbelt helps to prevent impact of noise on fauna. - All required air emission control measures such as ESPs (with high efficiency Rigid discharge electrodes with transformer), Bagfilters, covered conveyers, dust suppression systems, pucca internal roads, mechanical dust sweepers, wheel washing facility, mist cannon sprayers, etc. will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³. - Interlocking system will be provided to ESPs and whenever the particulate emission exceeds the emission norm, the raw material feed to the unit will stop. Consequently, there will be no production in the unit till the ESP is rectified. - Ash will be stored in silos only and there will not be any open storage of ash. - Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. - All transport vehicles will be with PUC certification. - Wheel washing facility will be provided at entry and exit gates. - Zero Liquid discharge will be maintained Proposed Project - Rain guns will be provided for dust suppression. With the aforementioned measures there will not be any adverse impact on Forests due to the proposed project

MITIGATION MEASURES PROPOSED FOR SURFACE WATER BODIES

Name of Water Bodies	Distance	Direction	Mitigation Measures proposed
Chinni Nala	0.70 kms	(W)	- Greenbelt of width 20 m will be maintained towards the Chinni Nala. 6ft height Boundary wall will be constructed towards Chinni Nala.
Tenda Nala	1.7 kms	(N)	- Greenbelt of width 20 m will be maintained towards the Tenda Nala. 6ft height Boundary wall will be constructed towards Chinni Nala.
			Other mitigation measures - Zero Liquid Discharge (ZLD) will be maintained. No wastewater will be discharged outside the plant premises. - Solid waste generated will be utilized / disposed of as per stipulated procedures. - All required environmental protection measures such as 4th Hole Fume Extraction system with PTFE membrane bagfilters, covered conveyers, dust suppression systems, pucca internal roads (designed as per IRC - 37), mechanical dust sweepers will be provided and operated duly ensuring compliance with the particulate emission norms of 30 mg/Nm³. - Slag will be stored in Covered Shed only and there will not be any open storage of ash. - Garland drains will be constructed around the storage yards to prevent any run off from the storage yards entering into the water bodies. - Effluent will be treated and after ensuring compliance with SPCB norms, it will be utilized for dust suppression, ash conditioning and for greenbelt development. - Net resultant GLCs during operation of the project will be within the National Ambient Air Quality Standards. - All transport vehicles will be with PUC certification. - Wheel washing facility will be provided at entry and exit gates. - No effluent will be released outside the project boundary as the proposal will be implemented with ZLD. - Solid waste generated will be utilized/disposed as per stipulated procedures With the aforementioned measures there will not be any adverse impact on Surface water Bodies due to the proposed project.

28.14.4 Environmental Site Settings:

S.No.	Particulars	Details	Remarks												
i.	Total Land	35.37 Ha. (87.40 Ac.) - SH #17 is passing between 2 patches of proposed land area. - Safety measures of the proposed overhead pathway / structure are enclosed at the end.	- Single crop & Un irrigated Agriculture land. - We have obtained permission from PWD Department to construct overhead conveyer between two parcels of land pertaining to the project site to Transport of Raw materials to one parcel to another parcel of land vide letter no.3042 dated 13.05.26												
ii.	Land acquisition details as per MoEF& CC O.M. dated 7/10/2014.	Total Land: 35.37 Ha. (87.40 Ac.) Total land is same is registered in the company name. The land is in 2 parcels separated by SH # 17. Parcel -1 : 18.494 Ha & Parcel -2 : 16.876 Ha.													
iii.	Existence of habitation & involvement of R & R, if any	<u>Plant site:</u> No habitation exists in plant site; Hence no R & R is not involved. <u>Study area:</u> Nearest habitation: <table><tr><th>Name</th><th>Distance</th><th>Direction</th></tr><tr><td>Few shops of Charmar (V)</td><td>0.08 Kms</td><td>W</td></tr><tr><td>Charmar (V)</td><td>0.52 Kms</td><td>SW</td></tr></table>	Name	Distance	Direction	Few shops of Charmar (V)	0.08 Kms	W	Charmar (V)	0.52 Kms	SW	Mitigation measures enclosed			
Name	Distance	Direction													
Few shops of Charmar (V)	0.08 Kms	W													
Charmar (V)	0.52 Kms	SW													
iv.	Latitude and Longitude of the project site	Latitude and Longitude of the project site: <table><tr><th>S.No</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>22° 8'5.96"N</td><td>83°13'50.81"E</td></tr><tr><td>2</td><td>22° 8'5.06"N</td><td>83°13'50.75"E</td></tr><tr><td>3</td><td>22° 8'3.99"N</td><td>83°13'57.07"E</td></tr></table>	S.No	Latitude	Longitude	1	22° 8'5.96"N	83°13'50.81"E	2	22° 8'5.06"N	83°13'50.75"E	3	22° 8'3.99"N	83°13'57.07"E	---
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v.	Elevation of the project site	Elevation of the Project area – 307 m to 323 m	---																																																															
vi.	Involvement of Forest land, if any	No Forest land is involved in the project site.	---																																																															
vii.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	<u>Project site:</u> Nil <u>Study area:</u> <table><thead><tr><th>Water Body</th><th>Distance (Kms.)</th><th>Direction</th></tr></thead><tbody><tr><td>Chinni Nala</td><td>0.70</td><td>W</td></tr><tr><td>Kurket River</td><td>6.9</td><td>S</td></tr><tr><td>Tenda Nala</td><td>1.7</td><td>N</td></tr><tr><td>Barkha Nala</td><td>5.7</td><td>NE</td></tr><tr><td>Rabo Dam</td><td>6.2</td><td>S</td></tr><tr><td>Upka Nala</td><td>7.2</td><td>NE</td></tr><tr><td>Bhengari Nala</td><td>1.3</td><td>SE</td></tr><tr><td>Kesh Nala</td><td>2.4</td><td>SE</td></tr><tr><td>Khaimura Nala</td><td>6.4</td><td>E</td></tr><tr><td>Katangahara Nala</td><td>6.4</td><td>SW</td></tr><tr><td>Sukhia Nala</td><td>6.9</td><td>SW</td></tr><tr><td>Bojia Nala</td><td>6.6</td><td>SW</td></tr></tbody></table>	Water Body	Distance (Kms.)	Direction	Chinni Nala	0.70	W	Kurket River	6.9	S	Tenda Nala	1.7	N	Barkha Nala	5.7	NE	Rabo Dam	6.2	S	Upka Nala	7.2	NE	Bhengari Nala	1.3	SE	Kesh Nala	2.4	SE	Khaimura Nala	6.4	E	Katangahara Nala	6.4	SW	Sukhia Nala	6.9	SW	Bojia Nala	6.6	SW	--- ■ Mitigation measures enclosed																								
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viii.	Existence of ESZ / ESA / National Park / Wildlife Sanctuary / Biosphere Reserve / Tiger Reserve etc. if any within the study area	Study Area: Nil <u>Study area:</u>	● There are no notified National Park/Wildlife sanctuary/ Biosphere reserve/																																																															

S.No.	Particulars	Details			Remarks
		Forests	Distance (Kms.)	Direction	Tiger Reserve. within 10Km. Radius of the plant. • Movement of elephants is observed within 10 Kms. radius of the project site. • Conservation Plan will be prepared and PCCF budget approval will be obtained and submitted in EIA report.
		Unnamed Forest	0.08	SE	
		<u>Reserved Forests:-</u>			
		Suhai RF	1.6	SE	
		Dhumapahari RF	1.6	W	
		Marpahar RF	3.5	N	
		Lotan RF	4.2	SW	
		Bojia RF	4.7	NW	
		Lamikhair RF	1.4	NW	
		<u>Protected Forests:-</u>			
		Bhengari PF	1.2	S	
		Nawangarh PF	3.7	NE	
		Katangdi PF	2.95	NE	
		Panikhet PF	2.8	S	
		Chhindpani PF	2.1	E	
		Kurket PF	8.4	NW	

28.14.5 The unit configuration and capacity of proposed project is given as below:

S.No.	Units (Products)	Plant Configuration	Production Capacity
1.	Iron Pellet plant (Pellets)	2 x 0.6 MTPA	12,00,000 TPA
2.	Coal Gasifier for Pellet plant (Producer gas)	2 x 15,000 M ³ /Hr	30,000 M ³ /Hr
3.	DRI Kilns (Sponge Iron)	4 x 650 TPD	8,58,000 TPA
4.	Induction Furnaces with matching LRF, CCM, AOD (Hot Billets / Billets / Ingots)	8 x 30 T	7,92,000 TPA
5.	Electric Arc Furnace (EAF) & BOF	2 x 50 T	3,30,000 TPA
6.	Rolling Mills (TMT /WIRE/STRIP/PLATE/ Structural Steel) (85% Hot charging with Hot Billets and remaining 15% through RHF with Producer gas as fuel)	3x 800 TPD (2400 TPD)	7,92,000 TPA
7.	Coal Gasifier for Reheating furnace (Producer gas)	2 x 20,000 NM ³ /Hr	40,000 NM ³ /Hr
8.	Coal Washery	1 x 2.25 MTA	22,50,000 TPA
9.	Submerged Electric Arc Furnaces (FeSi / FeMn / SiMn / FeCr / Pig Iron)	4 x 24 MVA	FeSi-85,000 TPA / FeMn-2,40,000 TPA / SiMn-1,60,000 TPA / FeCr-1,80,000 TPA/ Pig Iron-2,80,000 TPA.
10.	Sinter Plant	2 x 15 M ³	1,32,000 TPA
11.	AOD (MC FeMn/ LC FeMn / MC FeCr / LC FeCr)	2 x 25 T/Hr	1,98,000 TPA
12.	Jigging Plant	2 x 20 TPH	10,000 TPA

S.No.	Units (Products)		Plant Configuration	Production Capacity
13.	Briquetting plant		4 x 250 Kg/hr	1,000 Kg/hr
14.	Argon Plant		60,000 m ³ /day	19.8 Mm ³
15.	Oxygen Plant		3,00,000 m ³ / day	99 Mm ³
16.	Nitrogen Plant		9,00,000 m ³ / day	297 Mm ³
17.	Slag Crusher		2 x 25 TPH	50 TPH
18.	Brick Manufacturing Unit		1,00,000 Bricks/day	1,00,000 Bricks/day
19.	Power Plant (200 MW)	WHRB Power Plant	2 x 50 MW	100 MW
		CFBC Power Plant	2 x 50 MW	100 MW

28.14.6 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

S.No.	Raw Material	Quantity (TPA)	Sources	Distance w.r.t site (inKms.)	Mode of Transport
1	Iron Ore Concentrate	12,00,000	Chhattisgarh/Orissa	~ 600	By rail & road (covered trucks)
2	Bentonite	9,600	Gujarat	~ 600	By rail & road (covered trucks)
3	Lime Stone	77,600	Chhattisgarh	~ 100	By road (covered trucks)
4	Anthracite Coal	42,000	SECL Chhattisgarh / MCL Odisha	~ 500	By rail & road (covered trucks)
5	Indian coal	29,99,400	SECL Chhattisgarh / MCL Odisha	~ 500	By rail & road (covered trucks)
6	Imported Coal	12,27,416	Imported	~ 600	Through vessel, rail & by road (Covered trucks)
7	Pellets	12,26,940	Own Generation	---	Through covered conveyers
8	Iron Ore	16,79,400	Odisha & Chhattisgarh	~ 500	By rail & road (covered trucks)
9	Dolomite	1,01,900	Chhattisgarh	~ 150	By road (covered trucks)
10	Sponge Iron	11,30,000	Own generation	---	Through covered conveyers
11	MS Scrap / Pig Iron	1,42,000	Own generation & Purchased from outside	~ 100	By road (covered trucks)
12	Ferro alloys	57,000	Own generation	---	By road (covered trucks)
13	Hot Billets / Billets	7,00,128	Own generation	---	----
14	Billets (for RHF)	1,30,680	Own generation	---	----
15	Raw Coal	33,75,000	SECL Chhattisgarh /MCL Odisha	~ 500	By rail & road (covered trucks)

S.No.	Raw Material	Quantity (TPA)	Sources	Distance w.r.t site (inKms.)	Mode of Transport
16	Quartz	1,87,000	Chhattisgarh / A.P.	~ 500	By road (covered trucks)
17	Mill scales & MS Scrap	3,82,500	In house Generation	---	By road (covered trucks)
18	Char coal/Coke	1,31,750	A.P. / Jharkhand	~ 500	By road (covered trucks)
19	Electrode paste	8,500	Maharashtra / West Bengal	~ 300	By road (covered trucks)
20	Briquetted Bagfilter dust	5,950	Own generation	---	---
21	Manganese Ore	5,76,000	MOIL / OMC	~ 500	By Rail & Road (covered trucks)
22	Chrome Ore	4,32,000	Sukinda, Odisha	~ 500	By road (covered trucks)
23	Bauxite	27,000	Chhattisgarh / Maharashtra	~ 500	By road (covered trucks)
24	Iron Ore Fines	1,18,800	Barbil, Orissa NMDC, Chhattisgarh	~ 500.	By rail & road (covered trucks)
25	Fluorspar	7,000	Maharashtra / West Bengal	~ 300	By road (covered trucks)
26	Coke	1,75,840	A.P./Jharkhand	~ 500	By road (covered trucks)
27	High-Carbon FeMn	2,33,640	Own generation	---	Through covered conveyers
28	Additives (flux, etc.)	25,740	Chhattisgarh	~ 200	By road (covered trucks)
12	Ferro alloys	57,000	Own generation	---	By road (covered trucks)

28.14.7 The water requirement for the proposed project is estimated as 6,716 KLD and same will be sourced from Chinni Nala / Kurket river which is located 0.70 Kms. & 4.6 Kms. Water withdrawal permission will be obtained from WRD, Govt. of C.G after receipt of the TOR letter.

28.14.8 The power requirement for the proposed project is estimated as 242.3 MW Out of which 200 MW will be sourced from the Captive Power Plant and the remaining 42.3 MW Power will be sourced from the State grid.

28.14.9 It is reported that there is no violation under EIA, 2006/Court case/show cause/ direction related to the project.

28.14.10 Proposed Terms of Reference (**Baseline data collection period: 1stMarch 2026 to 31stMay 2026**)

Attributes	Sampling		Remarks
	No. of Stations	Frequency	

A. Air			
a. Meteorological parameters	1	On hourly basis for one season	• Wind Speed • Wind Direction • Temperature • Relative Humidity • Rainfall
b. AAQ parameters	8	24 hourly Twice a week for 3 months (One Season)	• Parameters Monitored: • PM_{2.5} • PM₁₀ • SO₂ • NO₂ • CO
B. Noise	8	On hourly basis for 24 Hrs. at each station	Parameters Monitored: • Day equivalent • Night equivalent
C. Water			
a. Ground Water	8	One sample at each of the locations	Parameters Monitored: as per IS: 10500
b. Surface Water	3	One sample at each of the locations	Parameters Monitored: as per BIS: 2296
D. Land			
a. Soil quality	8	One sample at each of the locations	Parameters Monitored: Texture, infiltration rate, SAR bulk density, pH, Ca, Mg, Na, K, Zn, Mn
b. Land use	--	--	LULC map prepared by concerned FAE for study area
E. Biological			
a. Aquatic	--	Once in Season	---
b. Terrestrial	--	Once in Season	Conservation Plan will be prepared
F. Socio economic parameters	--	Once in Season	Social Impact Assessment by concerned FAE for study area
G. Traffic Density	---	Once in Season	Vehicular traffic study carried out at Transportation route.

28.14.11 COMPLIANCE ON APPLICABILITY OF MINISTRY'S OMs

S.No.	O.M. dated	O.M. pertaining to	Compliance by the Industry
1	14-10-2014	Registration of land /Consent from the Land for entire land	Complied Total land identified for the proposed project is 35.37 Ha. (87.40 acres). Total land is same is registered in the company name. The land earmarked for the proposed project is Private Land (Unirrigated Agriculture land).
2	----	Presence of streams/Nalas within the site	Complied No Streams/Nalas passing through the Plant site.
3	08-06-2022	Validity of Baseline data for 3 years	NOT APPLICABLE As Proposal submitted for Grant of TOR However Baseline data period is from 1 st March 2026 to 31 st May 2026 We will ensure submission of Final EIA within the TOR validity period.

S.No.	O.M. dated	O.M. pertaining to	Compliance by the Industry
4	08-06-2022	CCR validity is 1 year from the date of inspection by MOEF&CC/SPCB	NOT APPLICABLE As it is Greenfield project
5	08-06-2022	PH validity for 3 years	NOT APPLICABLE PH is yet to be conducted (Proposal submitted for Grant of TOR)

28.14.12 Compliance Statement of Clause – 9 of Chapter -3 on Criteria For Establishment of Industrial Plants As per G.S.R (O.M. dated 29-01-2025)

S.No	Chapter -3 Clause -9		Compliance
1.	Restrictions on establishing an industrial plant based on technological and scientific developments to protect sensitive areas like national parks, sanctuaries, wetlands, and archaeological monuments.		Complied There are no National Parks, Sanctuaries, wetlands and archeological monuments within 10 Km. radius of the plant site.
2.	Industrial plant must comply with criteria set by Central Government, State Government, or Union Territory Administration		Complied Total land identified for the proposed project is 35.37 Ha. (87.40 acres). Total land is same is registered in the company name. The land earmarked for the proposed project is Private Land (Unirrigated Agriculture land) There are no specific criteria set by Chhattisgarh State Govt. for establishment of industrial plants
3.	While establishing an industrial plant, the following minimum distance shall be maintained:		
3(a)	From the nearest boundary of surface water body (flood plain/HFL/Red line) as per revenue records in case of industrial plant of:		
3(a)(i)	Red category: Beyond 500 meters.		Complied
3(a) (ii) (A)	Orange category (with effluent generation): Beyond 75 meters.		---
3(a) (ii) (B)	Orange category (without effluent generation): Beyond 30 meters.		---
3(a)(iii)	Green category: Beyond 30 meters.		---
3(b)	From settlements, educational institutes, worship places, archaeological monuments, national parks, reserve forests, heritage sites, in case of industrial plant of:		
3(b)(i)	Red category: Beyond 500 meters.	Settlement	Nil within 500 m 1) Charmar Village – 0.52 kms(SW) Mitigation measures are shown above
		educational institutes	Nil within 500 m 1) Primary School Charmar Village – 0.65 kms (NW) Mitigation measures are shown above.

S.No	Chapter -3 Clause -9	Compliance
	worship places	Nil within 500 m
	archaeological monuments	Nil within 500 m
	national parks	Nil within 500 m
	reserve forests	Nil within 500 m
	heritage sites	Nil within 500 m
3(b)(ii)	Orange category: Beyond 200 meters.	---
3(b)(iii)	Green category: Beyond 100 meters	---
3(c)	The State Board shall ensure compliance with all applicable laws, rules, regulations, and notifications	Not applicable
3(d)	Natural or storm drains passing through the industrial plant location shall not be disturbed.	Not applicable

Deliberation by the Committee

28.14.13 The Committee noted the following:

- i. The instant proposal is for establishment of Greenfield steel plant comprising of Iron Pellet plant - 12,00,000 TPA, along Coal Gasifier for Pellet Plant- 2 x 15,000 M³/Hr, Sponge Iron of 8,58,000TPA, Hot Billets/ Ingots through Induction Furnaces -7,92,000 TPA & through Electric Arc Furnaces -3,30,000 TPA, TMT/ Wire/ Strip/ Plate/ Structural Steel through Rolling Mill with RHF of 7,92,000 TPA, along Coal Gasifier for Reheating Furnace- 2 x 20,000 M³/Hr, Coal Washery Unit of 22,50,000 TPA, SEAFs of 4 x 24 MVA (FeSi-85,000 TPA / FeMn -2,40,000 TPA / SiMn-1,60,000 TPA / FeCr-1,80,000 TPA/ Pig Iron-2,80,000 TPA.), Sinter Plant - 1,32,000 TPA, AOD (MC FeMn/ LC FeMn/ MC FeCr/ LC FeCr)- 1,98,000 TPA, Jigging Plant - 10,000 TPA, Briquetting Unit - 1,000 Kg/hr, Argon Plant -19.8 Mm³, Oxygen Plant - 99 Mm³, Nitrogen Plant - 297 Mm³, Slag Crusher - 50 TPH, WHRB Power Plant-100 MW, FBC Power Plant-100 MW, Fly Ash Brick unit-1,00,000 Bricks/Day.
- ii. The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- iii. The total land requirement for the project is 35.37 Ha (87.40 acres), which is in the name of the company. The land is single crop, unirrigated agricultural land. It is noted that the project land is divided into two parcels, separated by State Highway (SH-17), with Parcel-1 admeasuring 18.494 Ha and Parcel-2 admeasuring 16.876 Ha. The Project Proponent has obtained permission from the PWD Department for construction of an overhead conveyor to facilitate material transfer between the two land parcels. Necessary safety measures for the proposed overhead structure have been envisaged by the Project Proponent. The EAC opined that the construction of an overhead conveyor may be considered subject to obtaining necessary permissions from the concerned authorities and ensuring adequate safety measures, including structural stability, clearance, and uninterrupted movement of traffic.
- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearby habitations include Few shops of Charmar Village at 0.08 km, Charmar Village at 0.52 km, Gollapuram

- village at about 0.99 km in the south-east direction and Hunasenahalli village at about 1.27 km in the north-east direction. Other sensitive receptors in the vicinity include Primary School, Charmar Village (~0.65 km, SW), Govt. High School, Nawapara (Tenda) (~1.2 km, NE), Middle School, Bhengari (~1.4 km, SE), Primary Health Centre, Nawapara (Tenda) (~1.4 km, NE), scrub forest (~0.08 km, SE), and reserved/protected forests such as Lamikhairi RF (~1.4 km, NW), Suhai RF (~1.6 km, SE), Dhumapahari RF (~1.6 km, W), Bhengari PF (~1.2 km, S) and Chhindpani PF (~2.1 km, E). Water bodies in the study area include Chinni Nala (~0.70 km, W) and Tenda Nala (~1.7 km, N), along with other sensitive receptors within the study area of the project site. The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. The Committee noted that there are water bodies within the study area of the project site, including Chinni Nala (~0.70 km, W) and Tenda Nala (~1.7 km, N) along with several other water bodies. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
 - vi. Project Proponent submitted that there is movement of elephants reported within a 10 km radius of the project site based on secondary information. In this regard, the Project Proponent has committed to prepare a Conservation Plan and obtain approval of the competent authority, including budgetary provisions from the PCCF, which shall be submitted as part of the EIA study. The Committee, after deliberation, opined that the presence of elephant movement in the surrounding area warrants due consideration and emphasized that the Conservation Plan shall be prepared in consultation with the State Forest Department and implemented in a time-bound manner. The Committee further advised that adequate mitigation measures shall be incorporated to avoid any adverse impact on wildlife movement and habitat in the region.
 - vii. The water requirement for the proposed project is estimated as 6,716 KLD and same will be sourced from Chinni Nala / Kurket river which is located 0.70 Kms. & 4.6 Kms. PP shall secure necessary permission from the Competent Authority. PP shall also submit an action for laying of pipelines from the water source to plant premises with all the requisite permissions from WRD.
 - viii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

- 28.14.14 After deliberations, the Committee **recommended** the proposal for prescribing specific ToRs for undertaking detailed EIA and EMP study along with **Public Hearing** in addition to the generic ToRs enclosed at **Annexure-1** read with additional ToRs at **Annexure-2**. The EAC categorically noted that the recommendation to grant ToR is technical in nature under the provisions of the EIA Notification 2006, and based on the information submitted by the PP and commitments made during

deliberations. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013 and G.S.R. 85(E) dated 30th January, 2025 pertaining to “*Criteria For Establishment Of Industrial Plant*”, as amended. The specific ToRs are mentioned below:

- (i) PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- (ii) Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.
- (iii) PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
- (iv) PP shall submit detailed design and layout of the proposed overhead conveyor connecting the two land parcels, including structural design, safety features, and clearance details across State Highway (SH-17). The EIA/EMP report shall include necessary permissions obtained from concerned authorities, traffic management plan during construction and operation, and assessment of potential impacts on public movement and safety. Adequate mitigation measures to ensure structural stability, sufficient vertical and horizontal clearance, and uninterrupted traffic flow shall be clearly elaborated.
- (v) There are water bodies within the study area of the project site, including Chinni Nala (~0.70 km, W) and Tenda Nala (~1.7 km, N) along with several other water bodies. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
- (vi) Project Proponent shall prepare a detailed Wildlife Conservation Plan, specifically addressing elephant movement in the study area, in consultation with the State Forest Department. The plan shall be submitted as part of the EIA/EMP report and necessary approval shall be obtained from the competent authority.
- (vii) The water requirement for the proposed project is estimated as 6,716 KLD and same will be sourced from Chinni Nala / Kurket river which is located 0.70 Kms. & 4.6 Kms. PP shall secure necessary permission from the Competent Authority. PP shall also submit an action for laying of pipelines from the water source to plant premises with all the requisite permissions from WRD.
- (viii) Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.

- (ix) The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
- (x) Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
- (xi) The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation, collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.
- (xii) Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
- (xiii) Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
- (xiv) The “make-up” water required during the operation be reported, without any ambiguity.
- (xv) The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
- (xvi) An action plan must be drawn up and implemented for maximum harvesting of rain water.
- (xvii) The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
- (xviii) PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
- (xix) Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
- (xx) PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
- (xxi) PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

Agenda No. 28.15

28.15 Proposed 2 x 21 MVA Ferro Alloy Plant (42,000 TPA Fe-Si) by M/s. Prasam Alloycraft Industries LLP, located at Village Denlo, District Lower Dibang Valley, Arunachal Pradesh- Consideration of TOR.

[Proposal no.: IA/AR/IND1/578763/2026; File No. IA-J-11011/154/2026-IA-II (IND-I)]

[Consultant: J. M. Environet Pvt. Ltd; Valid upto: 07.08.2026]

28.15.1 M/s. Prasam Alloycraft Industries LLP has made an application online vide proposal no. IA/AR/IND1/578763/2026 dated 12.05.2026 along with the application in prescribed format (CAF, Form – I Part A & B), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 3(a) Metallurgical industries (ferrous and non-ferrous) under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.

Details submitted by Project proponent

28.15.2 The project of M/s. Prasam Alloycraft Industries LLP, located at Village Denlo, District Lower Dibang Valley, Arunachal Pradesh is for establishment of 2 x 21 MVA Ferro Alloy Plant (42,000 TPA Fe-Si).

28.15.3 Environmental Site Settings:

S. No	Particulars	Details			Remarks																					
i.	Total Land	14.0 hectares (34.59 acres) (Private land)			Industrial in nature																					
ii.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	The total project area is 14.0 hectares (34.59 acres) & completely under the possession of the company & industrial in nature.			-																					
iii	Existence of habitation & involvement of R&R, if any.	Project Site: No village inside plant site. Study Area: No village falls within 1 km radius of the project site.			R&R is not applicable.																					
iv	Latitude and Longitude of all corners of project site.	<table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1.</td><td>28°1'48.11"N</td><td>95°55'24.16"E</td></tr><tr><td>2.</td><td>28°1'46.21"N</td><td>95°55'33.38"E</td></tr><tr><td>3.</td><td>28°1'43.30"N</td><td>95°55'42.39"E</td></tr><tr><td>4.</td><td>28°1'37.04"N</td><td>95°55'29.54"E</td></tr><tr><td>5.</td><td>28°1'35.34"N</td><td>95°55'27.54"E</td></tr><tr><td>6.</td><td>28°1'38.73"N</td><td>95°55'17.58"E</td></tr></table>	Point	Latitude	Longitude	1.	28°1'48.11"N	95°55'24.16"E	2.	28°1'46.21"N	95°55'33.38"E	3.	28°1'43.30"N	95°55'42.39"E	4.	28°1'37.04"N	95°55'29.54"E	5.	28°1'35.34"N	95°55'27.54"E	6.	28°1'38.73"N	95°55'17.58"E			-
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5.	28°1'35.34"N	95°55'27.54"E																								
6.	28°1'38.73"N	95°55'17.58"E																								
v	Elevation of the project site	253 m to 270 m above mean sea level.			-																					
vi	Involvement of Forest land if any.	No Forest Land is involved in the project site. The company has obtained NOC from DFO officer, Govt of Arunachal Pradesh, Dibang Forest Division: Roing vide Memo no. DF/DRG-37/NOC/2023/2975 dated 08.04.2026 stating that			-																					

S. No	Particulars	Details	Remarks																					
		the project site does not fall within any notified reserve forests/ village reserve forests/Anchal reserve forests/ plantation area of the division.																						
vii	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: No water body present within the project site. Study area: 6 surface water bodies fall within 10 km radius: <table><thead><tr><th>Water body</th><th>Distance (in km)</th><th>Direction</th></tr></thead><tbody><tr><td>Enju Pani</td><td>~850 m</td><td>NW</td></tr><tr><td>Difu River</td><td>~3.9 km</td><td>ESE</td></tr><tr><td>Aba N</td><td>~6.5 km</td><td>WNW</td></tr><tr><td>Jowe N</td><td>~8.0 km</td><td>NNW</td></tr><tr><td>Kundil River</td><td>~8.7 km</td><td>South</td></tr><tr><td>Balijan River</td><td>~8.8 km</td><td>ESE</td></tr></tbody></table>	Water body	Distance (in km)	Direction	Enju Pani	~850 m	NW	Difu River	~3.9 km	ESE	Aba N	~6.5 km	WNW	Jowe N	~8.0 km	NNW	Kundil River	~8.7 km	South	Balijan River	~8.8 km	ESE	-
Water body	Distance (in km)	Direction																						
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Jowe N	~8.0 km	NNW																						
Kundil River	~8.7 km	South																						
Balijan River	~8.8 km	ESE																						
viii	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Study Area: ▪ Mehao Wildlife Sanctuary (~3.2 km in NE direction) ▪ The company has obtained NOC from Office of the Deputy Commissioner, Lower Dibang Valley Roing dated 11.03.2024 stating that the site does not fall within the notified area of Mehao WLS and lies beyond the proposed area of ESZ of PA ▪ Two reserved forests- Digaru Reserved Forest (~6.2 km in ESE) and Kundil Kalia Reserved Forest (~8.0 km in South) within 10 km study area. ▪ The company has obtained NOC from DFO officer, Govt of Arunachal Pradesh, Dibang Forest Division: Roing vide Memo no. DF/DRG-37/NOC/2023/2975 dated 08.04.2026 stating that the project site does not fall within any notified reserve forests/village reserve forests/Anchal reserve forests/plantation area of the division	-																					

28.15.4 The unit configuration and capacity of proposed project is given as below:

Unit	Configuration	Capacity	Product
Ferro Alloy Plant	2 x 21 MVA	42,000 TPA	Fe-Si (Ferro silicon)

28.15.5 The details of the raw material requirement for the proposed project along with its source and mode of transportation is given as below:

Name of the Raw Materials	Total Requirement (TPA)	Source	Distance from Plant Site (Km)	Mode of Transportation
Quartz	73,920	Local Market & Nearby States	500 km	Roads
Iron Ore/ Mill Scale/ Scrap	26,880		500 km	Roads
Dolomite	3,360		500 km	Roads

Coke	20,790		500 km	Roads
Coal	32,340		500 km	Roads

28.15.6 The water requirement for the proposed project is estimated as 160 m³/day, which will be obtained from Ground water/Surface water. The permission for drawl of surface water/groundwater will be obtained from Central Ground Water Board /Water Resource Department.

28.15.7 The power requirement for the proposed project is estimated as 42.0 MW. The power will be sourced from State grid connection.

28.15.8 The capital cost of the project is Rs. 227 Crores and the capital cost for environmental protection measures is proposed as Rs. 20 Crores. The employment generation from the proposed project is 300 persons during operation (Temporary-100 and Permanent-200).

28.15.9 It is reported that there is no violation under EIA, 2006/Court case/show cause/ direction related to the project.

28.15.10 Proposed Terms of Reference (**Baseline data collection period: March to May, 2026**)

S. No.	Environmental Component	Primary data		
		Parameters	Frequency	Monitoring / Sampling Locations
1.	Land	Agriculture, Habitation, Industry, Stony waste / Quarries, Forest area, Plantation / Vegetation, Open scrub, Water bodies etc.	Once in a Study period Season	10 km radius Buffer from Plant site (Core zone)
2.	Meteorology	Temperature, Relative Humidity, Wind Speed, Wind Direction, Rainfall	Hourly	01 (Project site)
3.	Air	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO and other parameters relevant to the Plant shall be collected	twice a week (24 hourly)	8
4.	Noise	Equivalent noise levels in Leq in dB (A)	Once in a season (day & night time)	8
5.	Water			
a.	Surface Water	Parameters as per IS 10500 - 2012	Once in a season	As per actual condition of water availability in surface water bodies
b.	Ground Water		Once in a season	8
7.	Soil	Parameters As per IS 2720/USDA	Once in a season	6
8.	Biological Environment	Flora and fauna	Once in a season	Study area

S. No.	Environmental Component	Primary data		
		Parameters	Frequency	Monitoring / Sampling Locations
9.	Socio- Economic Environment	Economic Demography	Once in a season	Study area

28.15.11 COMPLIANCE ON APPLICABILITY OF MINISTRY'S OM_s

Sl. No	Particular	Comments/Remarks		
1.	Location of the project	Village/Mouza: Denlo District: Lower Dibang Valley State: Arunachal Pradesh		
2.	Land details: Total land area of the project & area of land acquired	The total project area is 14 hectares (34.59 acres) & completely under the possession of the company & industrial in nature		
3.	Project site proximity to sensitive area	Yes		
	i. Habitation	S. 0No.	Environmentally Sensitive Areas (ESA)	Approx. Distance From Plant Boundary (Km) and Direction From Plant site
	ii. School	i) Habitation		
	iii. River/Waterbody	1.	Village Denlo	~2 km in NW
	iv. Forest	ii) Schools		
	v. Archaeological Survey of India (ASI) protected site	1.	Govt. Primary School, Koronu	~1.2 km in west
	vi. Any other	2.	Govt. Primary School, Elambro (Denlo)	~1.5 km in WSW
		iii) River /Water Body		
		1.	Enju Pani	~850 m in NW
		2.	Difu River	~3.9 km in ESE),
		3.	Aba N	~6.5 km in WNW
		4.	Jowe N	~8.0 km in NNW
		5.	Kundil River	~8.7 km in South
		6.	Balijan River	~8.8 km in ESE
		iv) Forest & Wildlife Sanctuary		
		1.	Mehao Wildlife Sanctuary	3.2 km in NE
		2.	Digaru Reserved Forest	~6.2 km in ESE
		3.	Kundil Kalia Reserved Forest	~8.0 km in h
		v) Archaeological Survey of India (ASI)		
		1.	Bhismaknagar (Remains of a fort)	7.39 km in ENE
		vi) Hospitals – Not present within 2 km		
		vii) Places of worship-Not present within 2 km		

Sl. No	Particular	Comments/Remarks
4.	Involvement of Forest land if any. Status of FC land approval under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 as per Ministry's O.M. dated 9/9/2011 & its subsequent amendments	Not Applicable The company has obtained NOC from DFO officer, Govt of Arunachal Pradesh, Dibang Forest Division: Roing vide Memo no. DF/DRG-37/NOC/2023/2975 dated 08.04.2026 stating that the project site does not fall within any notified reserve forests/village reserve forests/Anchal reserve forests/plantation area of the division.
5.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. within 10 km radius of project site	Mehao Wildlife Sanctuary (~3.2 km in NE as per Draft Notification 10th Sept, 2025) and two reserved forests- Digaru Reserved Forest (~6.2 km in ESE) and Kundil Kalia Reserved Forest (~8.0 km in South) within 10 km study area. The company has obtained NOC from Office of the Deputy Commissioner, Lower Dibang Valley Roing dated 11.03.2024 stating that the site does not fall within the notified area of Mehao WLS and lies beyond the proposed area of ESZ of PA. Mehao Wildlife Sanctuary (with default 10 km ESZ) The project site is located at a distance of ~3.2 km in NE direction from Mehao Wildlife Sanctuary as per Draft Notification dated 10.09.2025.
6.	Whether there is any requirement of CRZ clearance?	Not applicable
7.	Critically Polluted Area/Severely Polluted a. whether project located in CPA/SPA b. Distance of project from CPA/SPA c. whether Additional environmental safeguards have been proposed as per MoEF&CC O.M. dated 31/10/2019, 30/12/2019 & 05/07/2022.	Not Applicable
8.	Status of baseline data collection	Summer season (March to May, 2026)

28.15.12 Compliance Statement of Clause – 9 of Chapter -3 on Criteria For Establishment of Industrial Plants As per G.S.R (O.M. dated 29-01-2025)

S. No.	G.S.R 62(E) dated 23 rd January, 2026– Criteria for Establishment of Industrial Plant	Compliance Status
1	From the nearest boundary of surface water body (flood plain/ HFL/Red line) as per the revenue records in case of industrial unit of- (i) red category, beyond five hundred meters; (ii) orange category, (A) with effluent generation, beyond seventy-five meters; (B) without effluent generation, beyond thirty meters; (iii) green category, beyond thirty meters;	No Surface water Body with flood plain/ HFL/Red line as per the revenue records within 500 m of project boundary.

S. No.	G.S.R 62(E) dated 23 rd January, 2026– Criteria for Establishment of Industrial Plant	Compliance Status
2	from the settlement, educational institute, worship place, archaeological monuments, national park, reserve forest, heritage site, in case of industrial unit of – i. red category, beyond five hundred meters; ii. orange category, beyond two hundred meters; iii. green category, beyond one hundred meters.	There are no settlements, educational institutions, places of worship, archaeological monuments, national parks, reserve forests, or heritage sites within 500 meters of the project site. Hence, the proposed Red Category industry complies with the prescribed siting criteria.
3	The State Board shall ensure that other laws, rules, and regulations, and notifications are complied with by the industrial plant.	Agreed to comply.
4	The natural or storm drain passing through the location of industrial unit shall not be disturbed.	Not applicable as no natural or storm drain passes through the project site.

Deliberation by the Committee

28.15.13 The Committee noted the following:

- i. The instant proposal is for establishment of 2 x 21 MVA Ferro Alloy Plant (42,000 TPA Fe-Si).
- ii. The EAC took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- iii. The total project area is 14.0 hectares (34.59 acres) & completely under the possession of the company & industrial in nature.
- iv. The Committee noted the presence of habitation and other environmentally sensitive areas within the study area of the project site. In this regard, it is reported that nearest habitation is Village Denlo located at about 2.0 km in the north-west direction. Other sensitive receptors in the vicinity include Govt. Primary School, Koronu (~1.2 km, W) and Govt. Primary School, Elambro (Denlo) (~1.5 km, WSW). Water bodies in the study area include Enju Pani (~0.85 km, NW), Difu River (~3.9 km, ESE). Environmentally sensitive areas within the study area include Mehao Wildlife Sanctuary (~3.2 km, NE). The Committee opined that the Project Proponent shall identify all sensitive receptors village-wise, including habitations, places of worship, educational institutions, water bodies, and other vulnerable locations, and shall formulate and implement appropriate environmental safeguard and mitigation measures to minimise adverse impacts of project activities. A village-wise mitigation plan shall be prepared and incorporated in the EIA/EMP Report, along with a separate, clearly defined budget allocation for each affected village, for appraisal by the Committee.
- v. The Committee noted that Mehao Wildlife Sanctuary is located at a distance of approximately 3.2 km in the north-east direction. The Committee noted that the Project Proponent has submitted a certificate from the Office of the Deputy Commissioner, Lower Dibang Valley dated 11.03.2024 stating that the project site does not fall within the notified area of the

Wildlife Sanctuary and lies beyond the proposed Eco-Sensitive Zone. However, the Committee observed that in view of the proximity of the project site to the Wildlife Sanctuary and the applicability of the default Eco-Sensitive Zone of 10 km in the absence of a final notified ESZ, the proposal attracts the provisions of the Hon'ble Supreme Court directions and requires consideration under the Wildlife (Protection) Act, 1972. Accordingly, the Committee emphasized that the Project Proponent shall obtain prior approval from the Standing Committee of the National Board for Wildlife (NBWL), as applicable. The Committee further advised that the impact on wildlife and associated habitats shall be adequately assessed and appropriate mitigation measures shall be incorporated in the EIA/EMP.

- vi. The Committee noted that there are water bodies within the study area of the project site, including Enju Pani (~0.85 km, NW), Difu River (~3.9 km, ESE) along with several other water bodies. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and submitted.
- vii. The water requirement for the proposed project is estimated as 160 m³/day, which will be obtained from Ground water/Surface water. PP shall secure necessary permission from the Competent Authority. PP shall also submit an action for laying of pipelines from the water source to plant premises with all the requisite permissions from WRD.
- viii. The Committee noted that the Solid Waste Management Rules, 2026 have been notified and shall come into force with effect from 1st April, 2026. The EAC opined that the Solid Waste Management Plan for the proposed project shall be formulated in consonance with the provisions of the Solid Waste Management Rules, 2026, and the same shall be presented in detail in the EIA/EMP Report at the time of appraisal for EC.

Recommendations of the Committee

28.15.14 After deliberations, the Committee **recommended** the proposal for prescribing specific ToRs for undertaking detailed EIA and EMP study along with **Public Hearing** in addition to the generic ToRs enclosed at **Annexure-1** read with additional ToRs at **Annexure-2**. The EAC categorically noted that the recommendation to grant ToR is technical in nature under the provisions of the EIA Notification 2006, and based on the information submitted by the PP and commitments made during deliberations. The recommendation does not create an obligation for authorities that handle issues related and relevant to construction and operation of the project under other independent procedures/statutes, including the provisions stipulated in the Land Acquisition (R&R) Act, 2013 and G.S.R. 85(E) dated 30th January, 2025 pertaining to "*Criteria For Establishment Of Industrial Plant*", as amended. The specific ToRs are mentioned below:

- (i) PP shall ensure that the status of land is in compliance with the provisions of MoEF&CC Office Memorandum dated 07.10.2014, as amended on 20.02.2025.
- (ii) Project Proponent shall prepare and present a village-wise plan for implementation of environmental safeguards and mitigation measures for habitations falling within 3km radial distance. The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations. The plan shall address each receptor individually to address adverse impacts of project activities.

- (iii) PP shall also formulate a generic set of environmental safeguards in respect of habitations falling beyond 3kms, and up to the study area limits. The The plan shall address environmentally sensitive receptors, covering villages, places of worship, educational institutions, hospitals, water bodies, and other environmentally vulnerable locations.
- (iv) Project Proponent shall obtain prior approval from the Standing Committee of the National Board for Wildlife (NBWL), as applicable, in view of the project's location within the Eco-Sensitive Zone/within 10 km of Mehao Wildlife Sanctuary. The recommendations/conditions stipulated by NBWL shall be strictly complied with. A copy of the NBWL clearance along with compliance status shall be submitted to the Ministry prior to commencement of any construction/expansion activities. Also, the impact on wildlife and associated habitats shall be adequately assessed and appropriate mitigation measures shall be incorporated in the EIA/EMP.
- (v) The Committee noted that there are water bodies within the study area of the project site, including Enju Pani (~0.85 km, NW), Difu River (~3.9 km, ESE) along with several other water bodies. The PP shall include in the EIA/EMP report suitable steps /conservation plan along with contouring (close intervals), Run -off calculations, disposal etc. Robust and foolproof Drainage Conservation measures to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be prepared and included in EIA/EMP Report.
- (vi) The water requirement for the proposed project is estimated as 160 m³/day, which will be obtained from Ground water/Surface water. PP shall secure necessary permission from the Competent Authority. PP shall also submit an action for laying of pipelines from the water source to plant premises with all the requisite permissions from WRD.
- (vii) Project Proponent shall make specific and documented efforts to ensure effective participation of representatives of nearby environmentally sensitive receptors, including but not limited to schools, hospitals, habitations, water user groups, and other community institutions, during the Public Hearing process. Adequate and prior intimation shall be provided to such stakeholders to facilitate their informed participation.
- (viii) The project proponent shall present a detailed Action Plan during the appraisal of the Environmental Clearance proposal, covering all commitments towards socio-economic development of the nearby villages in line with the Ministry's OM dated 30.09.2020. The Action Plan shall include sub-plans for: (i) promoting environmental education and awareness in local educational institutions, including mechanisms for disclosure of the project's environmental performance to the community, and (ii) addressing the specific needs of vulnerable sections of the impacted community—such as the elderly, children, pregnant women, persons with disabilities, and the terminally ill. The plan shall also detail the institutional mechanisms for regular monitoring, stakeholder engagement, and dissemination of information on the status of socio-economic development commitments.
- (ix) Project proponent shall, in consultation with a reputed public health institution/agency, carry out a baseline and periodic epidemiological study of the nearby villages to assess potential health impacts arising from project activities. Based on the findings, the project proponent shall prepare a health monitoring system for regular medical check-ups of the local population, and prepare suitable preventive and remedial measures to address any adverse health outcomes, and submit the same with the EIA/EMP Report.
- (x) The Solid Waste Management Plan for the proposed project shall be prepared in accordance with the Solid Waste Management Rules, 2026 (effective from 1st April, 2026), as amended from time to time. Detailed provisions, responsibilities and proposed actions for segregation,

collection, storage, processing, treatment and disposal of solid waste, along with institutional mechanism and compliance framework, shall be incorporated in the EIA/EMP Report.

- (xi) Project Proponent shall prepare and submit a map clearly depicting the proposed layout of project site vis-à-vis environmentally sensitive receptors within the study area vis-à-vis the annual wind rose diagram, duly superimposed on each other to present the likely dispersion pattern and potential impact of emissions on nearby receptors.
- (xii) Annual Wind Rose Diagrams (for all seasons) must be constructed, taking data from secondary sources.
- (xiii) The “make-up” water required during the operation be reported, without any ambiguity.
- (xiv) The maximum amount of solar power that can be generated within the premises of the Plant must be reported.
- (xv) An action plan must be drawn up and implemented for maximum harvesting of rain water.
- (xvi) The “input” parameters used in the AAQ modelling, and the “inversion height” and “mixing height” be reported, without any ambiguity.
- (xvii) PP shall present the “Social & Environment Cost Benefit “ analysis in the EIA report and EC appraisal.
- (xviii) Project Proponent shall collect an additional one month baseline data before the preparation and submission of the EIA/EMP report, in case, the baseline data has been collected prior to the EAC Recommendation.
- (xix) PP shall specifically submit the basis of choosing sampling locations in the EIA-EMP Report, duly addressing the number and locations so selected for drawing air, water and soil samples within study area. The relevant BIS/ CPCB Guidelines may be referred, as may be applicable.
- (xx) PP/ Consultant shall ensure that the annual meteorology data is used in the GLC predictive modelling, and include this aspect in the UNDERTAKING submitted along with EIA-EMP report.

Consideration of Amendment in TOR Proposal

Agenda No. 28.16

- 28.16 Amendment in Terms of Reference of Expansion-cum-modification of existing integrated steel plant for reducing sponge Iron Production from 12,37,500 TPA (500 TPD + 5 x 650 TPD DRI Kiln) to 5,94,000 TPA (500 TPD + 2 x 650 TPD DRI Kilns), Increase in MS Billet Production from 1254800 TPA to 1293600 TPA with addition of facilities of AOD (70 tonnes), VD (70 tonnes) in SMS Unit, Increase in Capacity of Captive Power Plant from 236.5 MW (WHRB – 102.5 MW + BFG Fired Boiler – 19 MW + BF TRT – 5 MW + COG Fired Boiler – 50 MW + CFBC – 60 MW) to 246 MW (WHRB – 52 MW + BFG Fired Boiler – 18 MW + BF TRT – 5 MW + COG Fired Boiler – 21 MW + CFBC – 150 MW), increase in capacity of Sinter Plant from 1509375 TPA (90 m2) to 2209375 TPA (90 m2 + 45 m2), increase in capacity of Rolling Mill from 800000 TPA to 1250000 TPA, increase in capacity of Oxygen Plant from 17300 Nm3/hr to 24000 Nm3/hr, reducing capacity of Coke Oven Plant from 600000 TPA to 400000 TPA, along with additional facilities of Ferro Alloy Plant (3 x 18 MVA SAF and 400 TPD AOD) for production of 1,52,000 TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr or 73,000 Si-Cr, Wire Drawing Mill (300000 TPA), Galvanised Product Unit (150000 TPA), Coal Washery (1000000 TPA), Iron ore Beneficiation Plant (1000000**

TPA), Ferro Sinter Plant (300000 TPA), Slag Crusher (280000 TPA) and Metal recovery Plant (420000 TPA), removal of Ductile Iron Pipe Plant and retention with same capacity of Blast Furnace (11,92,205 TPA with 350 m³ + 410 m³) Rolling Stock (800 per month) and Lime Calcination plant (132000 TPA) by M/s. Ramsarup Industries Limited, located at Industrial Estate Kharagpur, District-Paschim Medinipur, West Bengal- Consideration of Amendment in TOR.

[Proposal no.: IA/WB/IND1/577920/2026; File No. IA-J-11011/229/2006-IA-II (I)]

[Consultant: Grass Roots Research and Creation India (P) Ltd.; Valid upto: 04.08.2028]

- 28.16.1 M/s Ramsarup Industries Limited has made an online application vide proposal No. IA/WB/IND1/577920/2026 dated 08.05.2026 along with the application in prescribed format- Form 4 (CAF, Form – I Part A, B and C) and Addendum PFR seeking amendment in ToR obtained from MoEF&CC vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 w.r.t modification in the configuration/capacity of the proposed project along with key project parameters.

Details submitted by Project proponent

- 28.16.2 M/s Ramsarup Industries Limited made online application for obtaining ToR vide proposal no. IA/WB/IND1/544315/2026 dated 10.07.2025 for Expansion-cum-modification of existing integrated steel plant for reducing sponge Iron Production from 12,37,500 TPA (500 TPD + 5 x 650 TPD DRI Kiln) to 5,94,000 TPA (500 TPD + 2 x 650 TPD DRI Kilns), Increase in MS Billet Production from 1254800 TPA to 1293600 TPA with addition of facilities of AOD (70 tonnes), VD (70 tonnes) in SMS Unit, Increase in Capacity of Captive Power Plant from 236.5 MW (WHRB – 102.5 MW + BFG Fired Boiler – 19 MW + BF TRT – 5 MW + COG Fired Boiler – 50 MW + CFBC – 60 MW) to 246 MW (WHRB – 52 MW + BFG Fired Boiler – 18 MW + BF TRT – 5 MW + COG Fired Boiler – 21 MW + CFBC – 150 MW), increase in capacity of Sinter Plant from 1509375 TPA (90 m²) to 2209375 TPA (90 m² + 45 m²), increase in capacity of Rolling Mill from 800000 TPA to 1250000 TPA, increase in capacity of Oxygen Plant from 17300 Nm³/hr to 24000 Nm³/hr, reducing capacity of Coke Oven Plant from 6,00,000 TPA to 4,00,000 TPA, along with additional facilities of Ferro Alloy Plant (3 x 18 MVA SAF and 400 TPD AOD) for production of 1,52,000 TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr or 73,000 Si-Cr, Wire Drawing Mill (300000 TPA), Galvanised Product Unit (150000 TPA), Coal Washery (1000000 TPA), Iron ore Beneficiation Plant (1000000 TPA), Ferro Sinter Plant (300000 TPA), Slag Crusher (280000 TPA) and Metal recovery Plant (420000 TPA), removal of Ductile Iron Pipe Plant and retention with same capacity of Blast Furnace (11,92,205 TPA with 350 m³ + 410 m³) Rolling Stock (800 per month) and Lime Calcination plant (1,32,000 TPA) located at Industrial Estate Kharagpur, District-Paschim Medinipur, WB by M/s Ramsarup Industries Limited and Standard TOR was granted vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 along with public hearing.
- 28.16.3 The instant proposal is for seeking amendment in ToR obtained from MoEF&CC vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 w.r.t modification in the configuration/capacity of the proposed project along with key project parameters as detailed below:

S.No.	Facilities	Capacity as per ToR dated 18.07.2025	Amendment Required	Final Capacity
PROJECT CONFIGURATION				
1.	Sponge Iron plant			
	Configuration	1 x 500 TPD + 5 x 650 TPD	Removing 3 x 650 TPD	1 x 500 TPD + 2 x 650 TPD
	Capacity	12,37,500 TPA	-6,43,500 TPA	5,94,000 TPA
2.	Blast furnace			
	Configuration	1x350 m3 + 1x410 m3	No Change	1x350 m3 + 1x410 m3
	Capacity	11,92,205 TPA		11,92,205 TPA
3.	Electric Arc Furnace (EAF)			
	Electric Arc Furnace	2 x 70 tonnes	No Change	2 x 70 tonnes
	Ladle Furnace	2x70 Ton	No Change	2x70 Ton
	Molten Metal Production	12,93,600 TPA	No Change	12,93,600 TPA
	Argon Oxygen Decarbonizer (AOD)	--	70 tonnes	70 tonnes
	Vacuum Degassing (VD)	--	70 tonnes	70 tonnes
	Billet Caster	12,54,800 TPA (2 nos. Matching Strand CCM)	+ 38800 TPA	12,93,600 TPA (2 nos. Matching Strand CCM)
4.	Captive Power Plant			
	WHRB	102.5 MW (1x52.5 TPH + 5 X 72 TPH)	-50.5 MW (Removing 3 x 72 TPH)	52 MW (1x52.5 TPH + 2 X 72 TPH)
	BFG Fired Boiler	19MW (35 TPH + 41 TPH)	-1 MW	18 MW (35 TPH + 41 TPH)
	BF Top Recovery Turbine	5 MW	No Change	5 MW
	COG Fired Boiler	50 MW (200 TPH)	-29 MW (Replacing 200 TPH with 80 TPH)	21 MW (80 TPH)
	CFBC	60 MW (240 TPH)	+ 90 MW (Addition of 3 x 120 TPH)	150 MW (5 x 120 TPH)
	Total	236.5 MW	+9.5 MW	246 MW
5.	Sinter Plant	15,09,375 TPA (1x90 m2)	7,00,000 TPA (45 m2))	2209375 TPA (90 m2 + 45 m2)
6.	Oxygen Plant	17,300 Nm3/hr	7300 Nm3/Hr existing. Additional plant will be set up of 16700 Nm ³ /Hr in place of 10000 Nm ³ /hr	24,000 Nm3/hr
7.	Rolling Mill	8,00,000 TPA	+4,50,000 TPA	12,50,000 TPA

S.No.	Facilities	Capacity as per ToR dated 18.07.2025	Amendment Required	Final Capacity
8.	Ferro Alloy Plant			
	Submerged Arc Furnace	--	3 x 18 MVA	3 X 18 MVA
	AOD	--	400 TPD	400 TPD
	Production	--	1,52,000TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr, 73,000 TPA SiCr	1,52,000TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr, 73,000 TPA SiCr
8.	Coke Oven Plant	6,00,000 TPA	-2,00,000 TPA	4,00,000 TPA
9.	Rolling Stock	800 Nos/Month	No Change	800 Nos/Month
10.	Lime Calcination Plant	1,32,000 TPA	No Change	1,32,000 TPA
11.	DI Pipe unit	5,50,000 TPA	Removing Facility	Nil
12.	Wire Drawing Mill	--	3,00,000 TPA	3,00,000 TPA
13.	Galvanised Product	--	1,50,000 TPA	1,50,000 TPA
14.	Coal Washery	--	10,00,000 TPA	10,00,000 TPA
15.	Iron Ore Beneficiation	--	10,00,000 TPA	10,00,000 TPA
16.	Ferro Sinter Plant	--	3,00,000 TPA	3,00,000 TPA
17.	Slag Crusher	--	2,80,000 TPA	2,80,000 TPA
18.	Metal Recovery Plant	--	4,20,000 TPA	4,20,000 TPA

Changes in Key Parameters:

S.No.	Parameter	As per ToR dated 18.07.2025	Amendment Required	Final Capacity
1	Project Cost	INR 4823.90 Cr	INR 434.10 Cr	INR 5258.00 Cr
2	Total Area	127.47 ha	No Change	127.47 ha
3	Water Requirement	7060 KLD	+ 20 KLD	7080 KLD
4	Power Requirement	277.1 MW	+5.1 MW	282.2 MW
5	Manpower	3637	-850	2787

Revised Raw Material details will be as followed:

S. No.	Raw Material	Consumption (TPA)	Source	Distance (km)	Transport
A. Sponge Iron (DRI) Plant (5,94,000 TPA)					
1.	Iron ore Pellet	8,41,800	Local Market	20-30	By Roads
2.	Iron Ore	82,700	Nearby Mines	300-350	By Rail and Roads
2.	Indian Coal	5,63,000	Purchase from CIL	20 – 30	By Rail and Roads
3.	Dolomite	68,050	Local purchase	20 – 40	By Roads
B. Blast Furnace (BF) Plant (11,92,205 TPA)					

S. No.	Raw Material	Consumption (TPA)	Source	Distance (km)	Transport
1.	Iron Ore Sinter	15,09,375	Sinter Plant	--	Conveyer belt
2.	Iron Ore Lump	78,810	Nearby Mines	300-350	By Rail and Roads
3.	Nut Coke	4,84,500	Local Market	20-30	By Roads
4.	PCI Coke	41,780	Local Market	20-30	By Roads
5.	Limestone	1,91,010	Local Market	20-30	By Roads
6.	Dolomite	59,690	Local Market	20-30	By Roads
7.	Quartzite	59,690	Local Market	20-30	By Roads
C. Steel Melting Shop (EAF+LRF+CCM) (12,93,600 TPA)					
1.	Sponge Iron	6,11,800	In house Production	--	By Conveyer Belt
2.	Pig Iron	7,65,072	In house Production	--	By Conveyer Belt
3.	Ferro Alloys	3,100	Local Market	20 – 40	By Roads
4.	Scrap	1,52,950	In house Production	--	By Conveyer Belt
5	Lime	1,62,310	Local Market	20 – 40	By Roads
D. Captive Power Plant - CFBC Boiler (5 x 120 TPH)					
1	Indian Coal	5,72,000	Purchase from CIL	100-120	By Rail/Road
2	Washery Rejects	60,000	In house	--	By Conveyer Belt
3	Dolochar	1,29,888	In house DRI Plant	--	By Conveyer Belt
E. Sinter Plant (22,09,375 TPA)					
1.	Iron Ore Fines	21,15990	Nearby Mines	300-350	By Rail and Roads
2.	Limestone	1,88,070	Local Market	20-30	By Roads
3.	Quicklime	1,17,550	Local Market	20-30	By Roads
4.	Dolomite	94,050	Local Market	20-30	By Roads
5.	Coke breeze	1,41,070	Local Market	20-30	By Roads
F. Rolling Mill (12,50,000 TPA)					
1.	MS Billets	12,93,600	In House Production	--	By Conveyor Belt
G. Coke Oven Plant (4,00,000 TPA)					
1.	Coking Coal	6,00,000	Nearby coal Mine	100-120	By Rail and Road
H. Rolling Stock (800 Nos./Month)					
1.	Steel Plate	8,000 TPM	RDSO approved vendor	--	By Rail
2.	Rubber & Paper	16 TPM			
3.	Bogies	1,600 Nos./month			
4.	CBC Item	800 set/month			
5.	Bearing	6,400 Nos./month			
6.	Assembled wheel set	3,200 Nos./month			
7.	Epoxy & Enamel paint	160 KL/month	Local Market	20-30	By Roads
I. Lime Calcination Plant (1,32,000 TPA)					

S. No.	Raw Material	Consumption (TPA)	Source	Distance (km)	Transport
1.	Limestone	2,35,720 TPA	Nearby Mines	300-350	By Rail and Roads
J.	Ferro Alloy Plant (3 X 18MVA)				
J1	Ferro Manganese				
1.	Mn Ore Sinter	2,83,660	In house	--	Conveyer
2.	Coke	68,450	In house	--	Conveyer
3.	Coal	39,550	CIL	100-120	Rail/Road
4.	Dolomite	38,030	Local Market	20-30	Road
5.	Carbon Paste	3,040	Local Market	20-30	Road
J2	Silico Manganese				
1	Mn Ore Sinter	1,94,550	In house	--	Conveyer
2.	Coke	47,320	In house	--	Conveyer
3.	Coal	36,807	CIL	100-120	Rail/Road
4.	Dolomite	15,770	Local Market	20-30	Road
5.	Quartz	23,140	Local Market	20-30	Road
6.	Carbon Paste	2,110	Local Market	20-30	Road
7.	Fe-Mn Slag	47,320	In house	--	Conveyer
J3	Ferro Silicon				
1.	Quartzite	1,16,440	Nearby Mine	300-350	Rail/Road
2.	Mill Scale	23,920	Rolling Mill	--	Conveyer
3.	Charcoal	1,41,560	Local Market	20-30	Road
4.	Coke Breeze	15,740	Local Market	20-30	Road
5.	Carbon Paste	3,150	Local Market	20-30	Road
J4	Ferro Chrome				
1.	Chrome Chips	2,52,000	Local Market	20-30	Road
2.	Quartz	31,500	Local Market	20-30	Road
3.	Lime	12,600	Local Market	20-30	Road
4.	Steam Coal	63,000	Local Market	20-30	Road
J5	Ferro Chrome				
1.	Chrome Chips	45,000	Local Market	20-30	Road
2.	Quartz	1,16,150	Local Market	20-30	Road
3.	Coke	18,990	In house	--	Conveyer
K	Ferro Sinter Plant (0.3MTPA)				
1	Mn Ore Fines	2,76,780	Nearby Mines	300-350	By Rail and Roads
2	Limestone	24,600	Local Market	20-30	By Roads
3	Quicklime	15,380	Local Market	20-30	By Roads
4	Dolomite	12,300	Local Market	20-30	By Roads
5	Coke breeze	18,450	Local Market	20-30	By Roads
L	Coal Washery (1MTPA)				
1.	ROM Coal	10,00,000	CIL	100-120	By Rail/Roads
M	Iron ore Beneficiation (1MTPA)				
1	Low Grade Iron Ore	10,00,000	Nearby Mines	300-350	Rail/Road
2	Flocculants	130	Local Market	30	Road
N	Wire Drawing Mill (0.3MTPA)				
	Wire Road	3,15,000	Local Market	20-30	Road
O.	Galvanisation (0.15MTPA)				
1.	HR Coils	1,60,000 TPA	Local Market	20-30	Roads

S. No.	Raw Material	Consumption (TPA)	Source	Distance (km)	Transport
2.	Zinc	12,000 TPA	Local Market	20-30	By Roads
3.	Pickling Acid (HCl/H ₂ SO ₄)	7200 TPA	Local Market	20-30	By Roads
4.	Flux Chemical (NH ₄ Cl/ZnCl ₂)	1200 TPA	Local Market	20-30	By Roads

28.16.4 **Justification for Amendment:** PP has sought amendment in the Terms of Reference due to revision in project configuration arising from changes in planning and market demand. The proposed modifications involve optimization of production units, addition of certain facilities, and rationalization of capacities, along with consequential changes in key project parameters such as project cost, water requirement, power requirement, and manpower, while the total land area remains unchanged.

28.16.5 PP has also reported that they also applied for NIPL Certificate for increasing of production output through efficiency enhancement by modification & optimization of production process in Blast Furnace, DRI Kiln and Sinter Plant. Application is under process at West Bengal Pollution Control Board. However, vide letter dated 22.05.2026 PP has intimated to the Member Secretary & Chief Engineer, WBPCB for withdrawal of application of NIPL as suggested by EAC members.

28.16.6 It is reported that Ramsarup Industries Limited (RIL), Kharagpur is involved in an NGT matter (O.A. No. 188 of 2023 – Rajkumar Das vs. MoEF), where the applicant has alleged illegal use of groundwater and unauthorized construction/modernization of the steel plant without a valid Environmental Clearance (EC). However, as per the Resolution Plan upheld by the Hon'ble Supreme Court in May 2021, the residual validity of the original EC (dated 03.06.2009) continues, and the MoEF&CC has subsequently extended the EC validity till May 2030. Further, the West Bengal Pollution Control Board has granted Consent to Establish for expansion on 29.10.2024. PP further reported that the MoEF&CC has already clarified that there is no violation, and the matter is presently pending before the NGT. Last hearing was done on 11.05.2026 and it is listed for next hearing on 24.08.2026.

Written submission by the PP:

28.16.7 During the meeting, based on the deliberations made by the EAC, the project proponent vide letter dated 22.05.2026 through email dated 22.05.2026 informed that PP has submitted a request for withdrawal of NIPL application to WBPCB to the Member Secretary & Chief Engineer vide letter dated 22.05.2026. Copy of the same is submitted. Further, PP has also submitted an undertaking regarding withdrawal of NIPL application.

Deliberations by the Committee

28.16.8 The Committee noted the following:

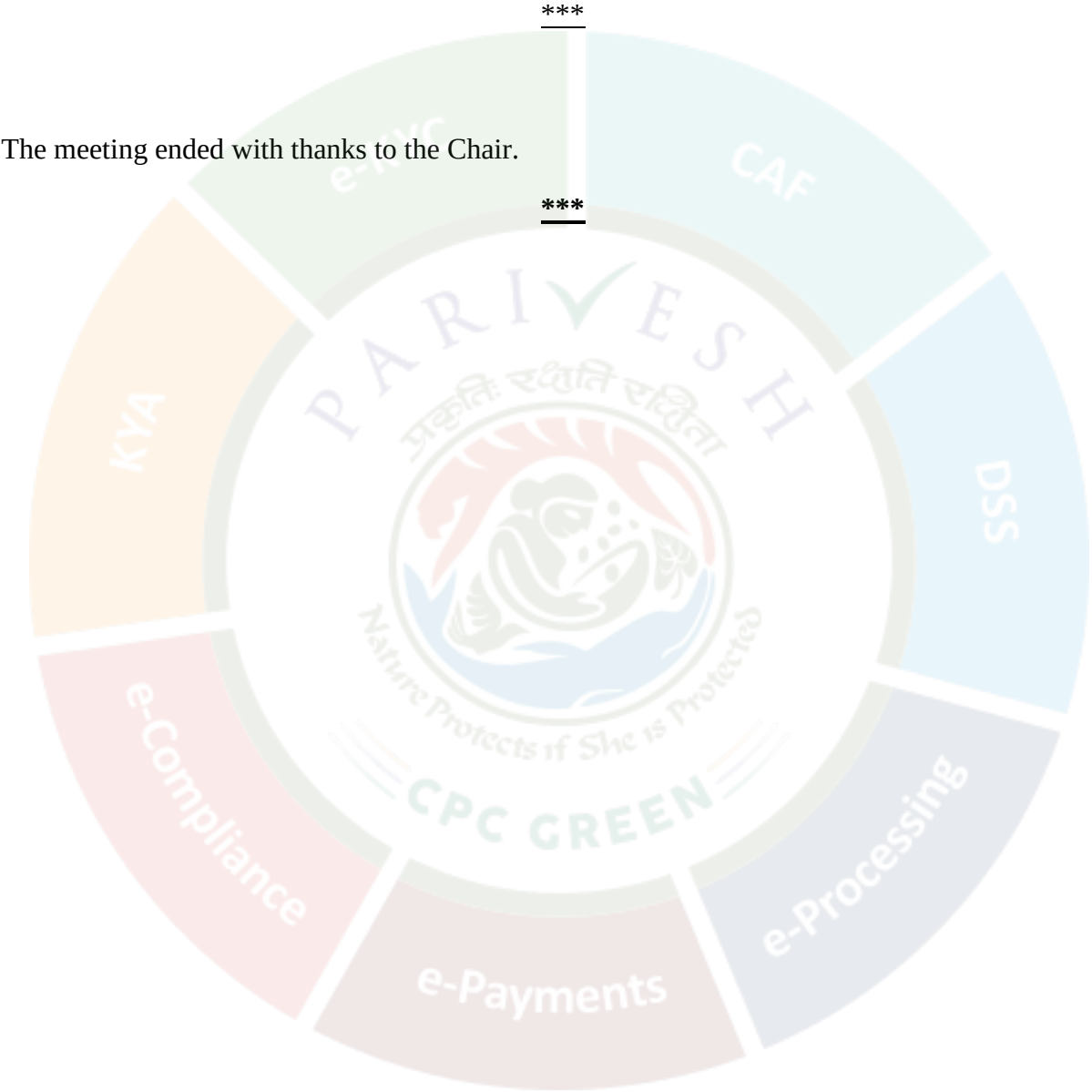
1. M/s Ramsarup Industries Limited made online application for obtaining ToR vide proposal no. IA/WB/IND1/544315/2026 dated 10.07.2025 for Expansion-cum-modification of existing integrated steel plant for reducing sponge Iron Production from 12,37,500 TPA (500 TPD + 5

x 650 TPD DRI Kiln) to 5,94,000 TPA (500 TPD + 2 x 650 TPD DRI Kilns), Increase in MS Billet Production from 1254800 TPA to 1293600 TPA with addition of facilities of AOD (70 tonnes), VD (70 tonnes) in SMS Unit, Increase in Capacity of Captive Power Plant from 236.5 MW (WHRB – 102.5 MW + BFG Fired Boiler – 19 MW + BF TRT – 5 MW + COG Fired Boiler – 50 MW + CFBC – 60 MW) to 246 MW (WHRB – 52 MW + BFG Fired Boiler – 18 MW + BF TRT – 5 MW + COG Fired Boiler – 21 MW + CFBC – 150 MW), increase in capacity of Sinter Plant from 1509375 TPA (90 m²) to 2209375 TPA (90 m² + 45 m²), increase in capacity of Rolling Mill from 800000 TPA to 1250000 TPA, increase in capacity of Oxygen Plant from 17300 Nm³/hr to 24000 Nm³/hr, reducing capacity of Coke Oven Plant from 6,00,000 TPA to 4,00,000 TPA, along with additional facilities of Ferro Alloy Plant (3 x 18 MVA SAF and 400 TPD AOD) for production of 1,52,000 TPA Fe-Mn or 1,05,000 TPA Si-Mn or 63,000 TPA Fe-Si or 1,05,000 TPA Fe-Cr or 73,000 Si-Cr, Wire Drawing Mill (300000 TPA), Galvanised Product Unit (150000 TPA), Coal Washery (1000000 TPA), Iron ore Beneficiation Plant (1000000 TPA), Ferro Sinter Plant (300000 TPA), Slag Crusher (280000 TPA) and Metal recovery Plant (420000 TPA), removal of Ductile Iron Pipe Plant and retention with same capacity of Blast Furnace (11,92,205 TPA with 350 m³ + 410 m³) Rolling Stock (800 per month) and Lime Calcination plant (1,32,000 TPA) located at Industrial Estate Kharagpur, District-Paschim Medinipur, WB by M/s Ramsarup Industries Limited and Standard TOR was granted vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 along with public hearing.

2. The instant proposal is for seeking amendment in ToR obtained from MoEF&CC vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 w.r.t modification in the configuration/capacity of the proposed project along with key project parameters as detailed in relevant para above.
3. The PP reported that they have sought amendment in the Terms of Reference due to revision in project configuration arising from changes in planning and market demand. The proposed modifications involve optimization of production units, addition of certain facilities, and rationalization of capacities, along with consequential changes in key project parameters such as project cost, water requirement, power requirement, and manpower, while the total land area remains unchanged.
4. The Committee deliberated on the amendment sought in the Terms of Reference with respect to modification in the configuration and capacity of the proposed project and associated key project parameters. The Committee noted that the proposed changes involve rationalization and optimization of production units, addition of certain facilities, and restructuring of capacities in line with revised planning and market demand. The Committee further observed that the total land area remains unchanged and the amendment pertains to revision in project configuration to be duly reflected in the EIA/EMP study. Accordingly, the Committee found the justification for amendment in ToR to be acceptable.
5. The Committee further noted that consequent to the proposed amendment in ToR, the Project Proponent shall revise the EIA/EMP report incorporating the modified project configuration and updated assessment of environmental impacts and mitigation measures. The Project Proponent shall also ensure that all relevant statutory requirements, including public consultation, are addressed in accordance with the revised project scope, as applicable, prior to submission of the final EIA/EMP report for further appraisal.

Recommendations of the Committee:

28.16.9 After deliberations, the Committee **recommended** the proposal **subject to withdrawal of NIPL application from SPCB** for amendment in ToR obtained from MoEF&CC vide File No. IA-J-11011/229/2006-IA-II (I) dated 08.07.2025 w.r.t modification in the configuration/capacity of the proposed project along with key project parameters as detailed in relevant para above. The other terms and conditions of ToR dated 08.07.2025 shall remain the same.



Standard ToR in line with Appendix III of the EIA, 2006.
applicable to Proposals Under Industry-1 Sector

Preliminary requirements:

- i. EIA/EMP report cover page shall consist of project title with location, applicable schedule of the EIA Notification, 2006, ToR letter No. with date, study period along with EIA consultant & laboratory details with QCI/NABET/NABL accreditation certificate detail.
- ii. Besides, following points shall be compiled as per QCI/NABET norms:
 - a. Disclaimer by the EIA consultant.
 - b. Declaration by the Functional Area Experts contributed to the EIA study and declaration by the head of the accredited consultant organization/authorized person.
 - c. Undertaking by the project proponent owning the contents (information and data) of the EIA/EMP report.
 - d. Undertaking by the EIA consultant regarding compliance of ToR issued by MoEF&CC.
 - e. Consultant shall submit the Plagiarism Certificate for the EIA/EMP Report.

Structure of EIA/EMP report**Executive Summary**

- i. Table of Contents of the EIA report including list of tables/figures/annexures/abbreviations/symbols/notations.
- ii. Point wise compliance to the ToR issued by MoEF&CC.
- iii. Executive Summary
 - I. Introduction
 - i. Name of the project along with applicable schedule and category as per EIA, 2006.
 - ii. Location and accessibility
 - II. Project description
 - i. Resource requirements (Land; water; fuel; manpower)
 - ii. Operational activity
 - iii. Key pollution concerns
 - III. Baseline Environment Studies
 - i. Ambient air quality
 - ii. Ambient Noise quality
 - iii. Traffic study
 - iv. Surface water quality
 - v. Ground water quality
 - vi. Soil quality
 - vii. Biological Environment
 - viii. Land use
 - ix. Socio-economic environment
 - IV. Anticipated impacts
 - i. Impact on ambient air quality
 - ii. Impact on ambient noise quality
 - iii. Impact on road and traffic

- iv. Impact on surface water resource and quality
- v. Impact on ground water resource and quality
- vi. Impact on terrestrial and aquatic habitat
- vii. Impact on socio-economic environment
- V. Alternative analysis
- VI. Environmental Monitoring program
 - i. Ambient air, noise, water and soil quality
 - ii. Emission and discharge from the plant
 - iii. Green belt
 - iv. Social parameters
- VII. Additional studies
 - i. Risk assessment
 - ii. Public consultation
 - iii. Action plan to address the issues raised during public consultation as per MoEF&CC O.M. dated 30/09/2020
- VIII. Project benefits
- IX. Environment management plan
 - i. Air quality management plan
 - ii. Noise quality management plan
 - iii. Solid and hazardous waste management plan
 - iv. Effluent management plan
 - v. Storm water management plan
 - vi. Occupational health and safety management plan
 - vii. Green belt development plan
 - viii. Socio-economic management plan
 - ix. Project cost and EMP implementation budget.

EIA/EMP Report

1. Introduction

- i. Background about the project
- ii. Need of the project
- iii. Purpose of the EIA study
- iv. Scope of the EIA study

2. Project description

A. Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State.
- ii. Site accessibility
- iii. A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
- iv. Latest High-resolution satellite image data having 1 m - 5 m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100 m all around the project location.
- v. Environment settings of the site and its surrounding along with map.

- vi. A list of major industries with name, products and distance from plant site within study area (10 km radius) and the location of the industries shall be depicted in the study area map.
- vii. In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
- viii. In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
- ix. In case of canal/ nala/ seasonal drain and any other water body passing through project site, the PP shall submit the suitable steps /conservation plan/mitigation measures along with contouring, Run -off calculations, disposal etc. A robust and foolproof Drainage Conservation scheme to protect the natural drainage/water bodies and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be provided in the report.
- x. Type of land, land use of the project site needs to be submitted.
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
- xii. Project proponent shall prepare Engineering layout plan showing all internal roads minimum 6 m width and 9 m turning radius for smooth traffic flow inside including fire tender as per NBC. Road network shall connect all service areas in layout. This drawing shall include area statement showing plot area, area under roads, parking, green belt with calculations and % with respect to plot area of project site and proper indexing. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- xiii. Project proponent shall submit contour map of project site along with drainage disposal system with calculations and drawings supported with proper indexing including Rain Water Harvesting details with calculations mentioning about GW recharge along with relevant drawing.
- xiv. A detailed report covering all aspects of Fire Safety Management and Fire Emergency Plan shall be submitted.
- xv. Details of drone survey for the site, needs to be included in report and presented before the EAC during appraisal of the project.

B. Forest and wildlife related issues (if applicable):

- i. Status of Forest Clearance for the use of forest land shall be submitted.
- ii. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10 km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
- iii. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive

areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.

- iv. Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna along with budget and action plan, if any exists in the study area.

C. Salient features of the project

- i. Products with capacities in **Tons per Annum** for the proposed project.
- ii. If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
- iii. Site preparatory activities.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other than raw materials, other chemicals and materials required with quantities and storage capacities.
- vi. Manufacturing process details along with process flow diagram of proposed units.
- vii. Consolidated materials and energy balance for the project.
- viii. Total requirement of surface/ ground water and power with their respective sources, status of approval.
- ix. Water balance diagram
- x. Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
- xi. Man-power requirement.
- xii. Cost of project and scheduled time of completion.
- xiii. In case of expansion projects, project proponent shall submit structural stability certificate showing whether existing structure withstand for proposed expansion activity.
- xiv. Brief on present status of compliance (Expansion/modernization proposals)
 - a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out.
 - b. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next two years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source.
 - c. Copy of all the Environment Clearance(s) including Amendments/validity of extension/transfer of EC, there to obtained for the project from MoEF&CC/SEIAA shall be attached as Annexures. A Certified Compliance Report (CCR) of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change/ or concerned authority as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. A Certified Compliance Report (CCR) issued by the concerned Authority shall be valid for a period of one year from the date of inspection.
 - d. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. A proper justification needs to be submitted along with documentary proof. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 1994 or 2006, CTE and CTO of FY 2005-2006) obtained from the

SPCB shall be submitted. Further, compliance report to the conditions of CTO from the Regional Office of the SPCB shall be submitted, as per OM No. IA3-22/10/2022-IA.III [E 1772581], dated 8th June, 2022. CCR on CTO conditions issued by the concerned SPCBs/PCCs shall be valid for a period of one year from the date of inspection of the project.

3. Description of the Environment

- i. Study period
- ii. Approach and methodology for data collection as furnished below.

Attributes	Sampling		Remarks
	Network	Frequency	
A. Air Environment			
Micro-Meteorological - Wind speed (Hourly) - Wind direction - Dry bulb temperature - Wet bulb temperature - Relative humidity - Rainfall - Solar radiation - Cloud cover - Environmental Lapse Rate	Minimum 1 site in the project impact area	1 hourly continuous	- IS 5182 Part 1-20 - Site specific primary data is essential - Secondary data from IMD, New Delhi - CPCB guidelines to be considered.
Pollutants - PM_{2.5} - PM₁₀ - SO₂ - NO_x - CO - HC - Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	- Sampling as per CPCB guidelines - Collection of AAQ data (except in monsoon season) - Locations of various stations for different parameters should be related to the characteristic properties of the parameters. - The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive

Attributes	Sampling		Remarks
	Network	Frequency	
			receptors including reserved forests, Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
B. Noise			
Hourly equivalent noise levels	At least 8-12 locations	As per CPCB norms	-
C. Water			
Parameters for water quality - pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity - Total nitrogen, total phosphorus, DO, BOD, COD, Phenol - Heavy metals - Total coliforms, faecal coliforms - Phyto-plankton - Zoo-plankton - Microalgae/microalgal bloom	Samples for water quality should be collected and analyzed as per: - IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents - Standard methods for examination of water and wastewater analysis published by American Public Health Association.		
For River Bodies - Total Carbon - pH	Surface water quality of the	Yield of water sources to be measured during critical season	

Attributes	Sampling		Remarks
	Network	Frequency	
- Dissolved Oxygen - Biological Oxygen Demand - Free NH₄ - Boron - Sodium Absorption Ratio - Electrical Conductivity - TDS	nearest River (60m upstream and downstream) and other surface water bodies	Standard methodology for collection of surface water (BIS standards)	
For Ground Water		Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.	
D. Traffic Study			
- Type of vehicles - Frequency of vehicles for transportation of materials - Additional traffic due to proposed project - Parking arrangement	-		
E. Land Environment			
Soil - Particle size distribution - Texture - pH - Electrical conductivity - Cation exchange capacity - Alkali metals - Sodium Absorption Ratio (SAR) - Permeability - Water holding capacity - Porosity	Soil samples be collected as per BIS specifications		
Land use/Landscape - Location code - Total project area - Topography - Drainage (natural)	-		

Attributes	Sampling		Remarks
	Network	Frequency	
Cultivated, forest, plantations, water bodies, roads and settlements			
E. Biological Environment			
Aquatic - Primary productivity - Aquatic weeds - Enumeration of phyto plankton, zoo plankton and benthos - Fisheries - Diversity indices - Trophic levels - Rare and endangered species - Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) Terrestrial - Vegetation-species list, economic importance, forest produce, medicinal value - Importance value index (IVI) of trees - Fauna - Avi fauna - Rare and endangered species - Sanctuaries / National park / Biosphere reserve - Migratory routes			- Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. - Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. - For forest studies, direction of wind should be considered while selecting forests. - Secondary data to collect from Government offices, NGOs, published literature.
F. Socio-economic			
- Demographic structure - Infrastructure resource base - Economic resource base			- Socio-economic survey is based on proportionate, stratified and random sampling method. - Primary data collection through questionnaire

Attributes	Sampling		Remarks
	Network	Frequency	
- Health status: Morbidity pattern - Cultural and aesthetic attributes - Education	Secondary data from census records, statistical hand books, topo sheets, health records and relevant official records available with Govt. agencies		

iii. Interpretation of each environment attribute shall be enumerated and summarized as given below:

- Ambient air quality
- Ambient Noise quality
- Surface water quality
- Ground water quality
- Soil quality
- Biological Environment
- Land use
- Socio-economic environment

4. Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)

i. Identification of potential impacts in the form of a **matrix** for the construction and operation phase for all the environment components

Activity	Environment	Ecological	Socio-economic
Construction phase			
Operation phase			

ii. Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

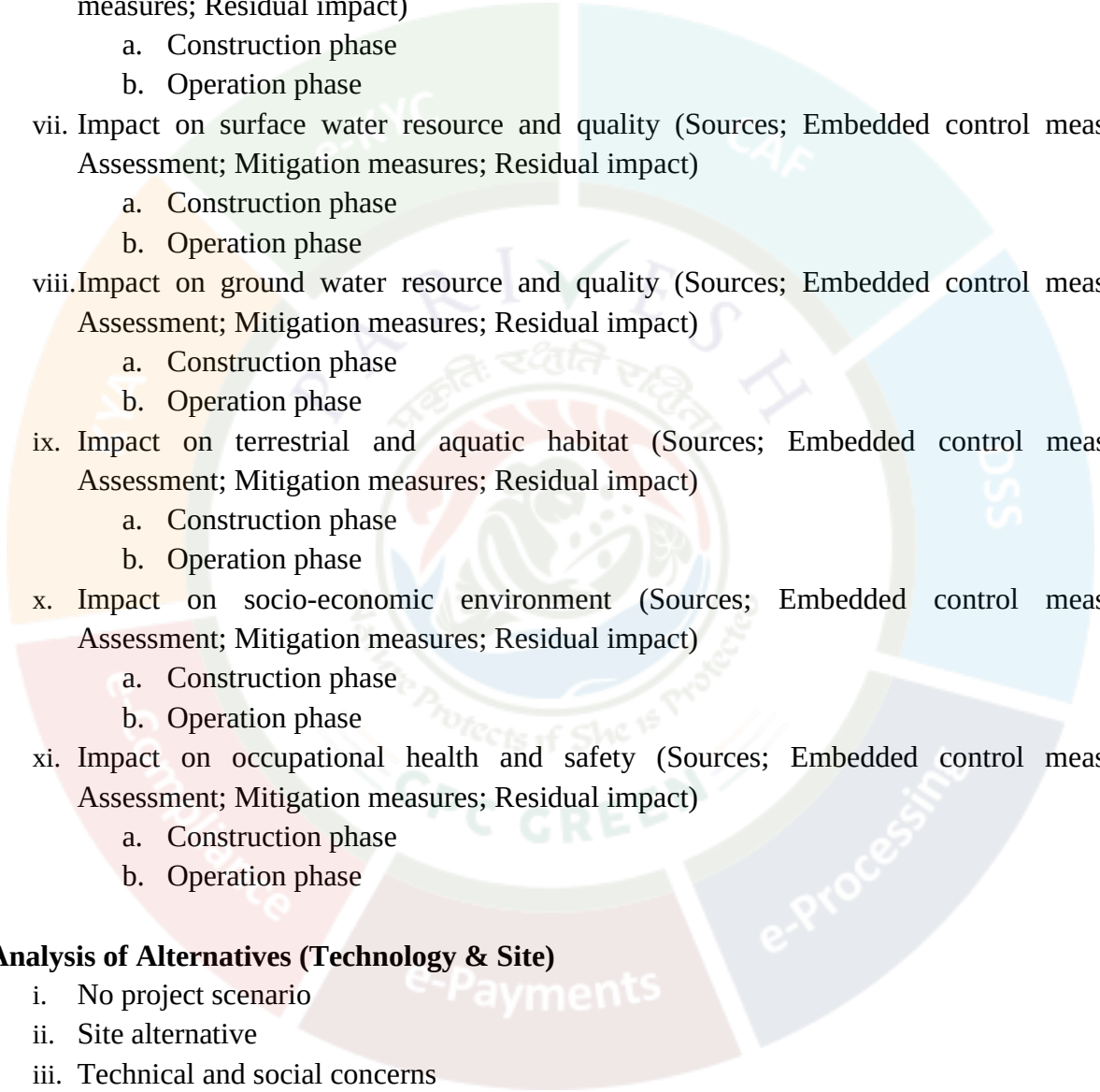
b. Operation phase

- Details of stack emissions from the existing as well as proposed activity.
- Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period
- Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.

iii. Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

- 
- iv. Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
 - v. Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
 - vi. Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
 - vii. Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
 - viii. Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
 - ix. Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
 - x. Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
 - xi. Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase

5. Analysis of Alternatives (Technology & Site)

- i. No project scenario
- ii. Site alternative
- iii. Technical and social concerns
- iv. Conclusion

6. Environmental Monitoring Program

- i. Details of the Environment Management Cell
- ii. Performance monitoring schedule for all pollution control devices shall be furnished.
- iii. Corporate Environment Policy
 - a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

- b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA.
 - c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given.
 - d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- iv. Action plan for **post-project environment monitoring matrix**:

Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility
Construction phase					
Operation phase					

7. Additional Studies

- i. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.
- ii. Details of adoption/ implementation status/plan to achieve the goal of Glasgow COP26 Climate Submit with regard to enhance the non-fossil energy, use of renewable energy, minimization of net carbon emission and carbon intensity with long-term target of "net Zero" emission.
- iii. Implementation status/measures adopted for avoiding the generation of single used plastic waste.
- iv. In cases the project is located in Critically and Severely Polluted Areas, additional mitigation measures adopted and detailed action plan to be submitted in the EIA/EMP Report as per MoEF&CC O.M. No. 22-23/2028-IA.III dated 31/10/2019 and MoEF&CC O.M. No. 22-23/2028-IA.III dated 5/07/2022 has to be submitted.
- v. Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).
- vi. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration. In this regard, time bound action plan as per the MoEF&CC Office Memorandum dated 30/09/2020 shall be submitted.
- vii. Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020

S No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
	Name of the Activity	Physical Targets	1 st	2 nd	3 rd	

viii. Risk assessment

- Methodology
- Hazard identification
- Frequency analysis
- Consequence analysis
- Risk assessment outcome

ix. Emergency response and preparedness plan

8. Project Benefits

- i. Environment benefits
- ii. Social infrastructure
- iii. Employment and business opportunity
- iv. Other tangible benefits

9. Environment Cost Benefit Analysis

- i. Net present value
- ii. Internal rate of return
- iii. Benefit cost ratio
- iv. Cost effectiveness analysis

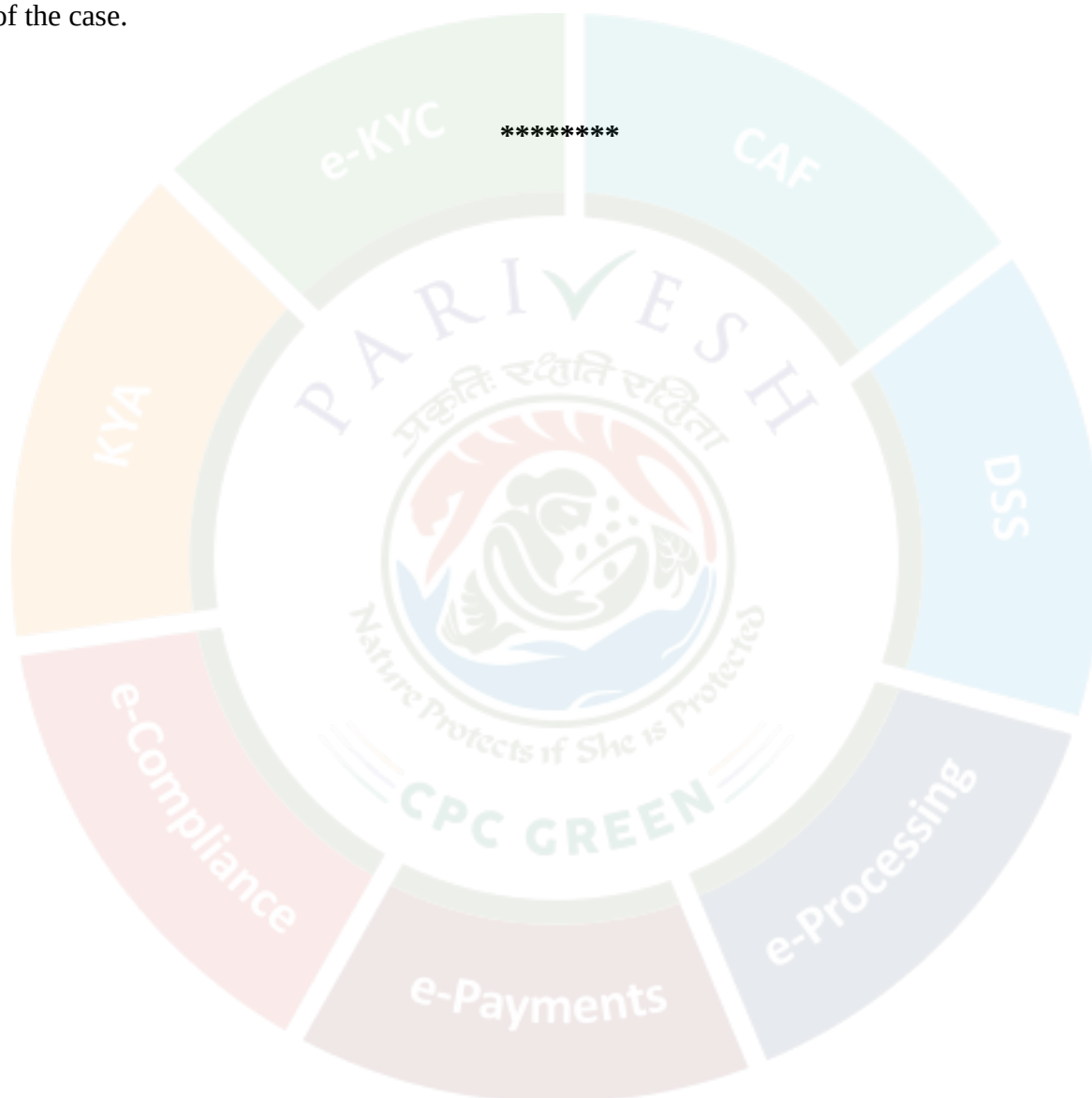
10. Environment Management Plan (Construction and Operation phase)

- i. Air quality management plan
- ii. Noise quality management plan
- iii. Action plan for hazardous waste management
- iv. Action plan for solid waste management
- v. Action plan for e-waste management.
- vi. Action plan for plastic waste management.
- vii. Action plan for construction and demolition waste management.
- viii. Effluent management plan
- ix. Storm water management plan
- x. Rain water harvesting plan
- xi. Plan for maximum usage of waste water/treated water in the Unit
- xii. Occupational health and safety management plan
- xiii. Green belt development plan: An action plan for Green Belt development consisting of 3 tiers of plantations of native species all along the periphery of the project of adequate width shall be raised in 33% of total area with a tree density shall not less than 2500 per ha within a time frame of one year shall be submitted. Survival rate of green belt shall be monitored on periodic basis to ensure that survival rate not be less than 80 %.
- xiv. Socio-economic management plan

- xv. Wildlife conservation plan (In case of presence of schedule I species)
- xvi. Total capital cost and recurring cost/annum for environment pollution control measures shall be included.

11. Conclusion of the EIA study

12. In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.



Standard ToRs FOR CEMENT INDUSTRY [3(b)]

1. Limestone and coal linkage documents along with the status of environment clearance of limestone and coal mines.
2. Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
3. Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
4. If the raw materials used have trace elements, an environment management plan shall also be included.
5. Plan for the implementation of the recommendations made for the cement plants in the Corporate Responsibility for Environmental Protection (CREP) guidelines shall be prepared.
6. Energy consumption per ton of clinker and cement grinding
7. Provision of waste heat recovery boiler
8. Arrangement for co-processing of hazardous waste in cement plant.
9. Provision of Alternate fuels.
10. Details of Implementation of Fly Ash Management Rules
11. Emission/Effluent norms as per GSR 496 (E) dated 9/5/2016 [EPA Rules 1986].
12. Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
13. Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm³ shall be furnished.
14. PP shall explore the possibility of plastic waste utilization in the Plant/Unit process.
15. Action plan for 100 % solid waste utilization shall be submitted.
16. PM (PM₁₀ and P_{2.5}) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM₁₀ to be carried over.

Standard ToRs FOR INTEGRATED STEEL PLANT [3(a)]

1. Iron ore/coal linkage documents along with the status of environment clearance of iron ore and coal mines.
2. Quantum of production of coal and iron ore from coal & iron ore mines and the projects they cater to. Mode of transportation to the plant and its impact.
3. For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
4. Recent land-use map based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
5. PM (PM₁₀ and PM_{2.5}) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM₁₀ to be carried over.

6. All stock piles will have to be on top of a stable liner to avoid leaching of materials to ground water.
7. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
8. Plan for slag utilization
9. Plan for utilization of energy in off gases (coke oven, blast furnace)
10. System of coke quenching adopted with justification.
11. Trace metals Mercury, arsenic and fluoride emissions in the raw material.
12. Trace metals in waste material specially in slag.
13. Trace metals in water
14. Details of proposed layout clearly demarcating various units within the plant.
15. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
16. Details on design and manufacturing process for all the units.
17. Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
18. Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
19. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
20. Details on toxic content (TCLP), composition and end use of slag.
21. Fourth Hole fume extraction system shall be provided for submerged Arc Furnace (SAF). Waste heat recovery (WHR) system shall be installed to recover the sensible heat from flue gases of electric arc furnace (EAF).
22. Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019 [EPA Rules 1986].
23. Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
24. Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm³ shall be furnished.
25. Action plan for 100 % solid waste utilization shall be submitted.
26. PP shall explore the possibility of plastic waste utilization in the Plant/Unit process.

Standard ToRs FOR METALLURGICAL INDUSTRY (Ferrous and Non-ferrous)[3(a)]

1. A 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
2. Plan for the implementation of the recommendations made for the proposed Unit in the Corporate Responsibility for Environmental Protection (CREP) guidelines.
3. Plan for solid wastes utilization.
4. Plan for utilization of energy in off gases (coke oven, blast furnace)
5. System of coke quenching adopted with full justification.
6. Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
7. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).

8. Details on toxic content using Toxicity Characteristic Leaching Procedure (TCLP), composition and end use of slag.
9. 100 % dolo char generated in the plant shall be used to generate power.
10. Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
11. No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
12. Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019 [EPA Rules 1986].
13. Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
14. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be submitted.
15. Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm³ shall be furnished.
16. Action plan for 100 % solid waste utilization shall be submitted.
17. PM (PM₁₀ and P_{2.5}) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of PM₁₀ to be carried over.

Standard ToRs FOR PULP AND PAPER INDUSTRY [5(i)]

1. A note on pulp washing system capable of handling wood pulp shall be included.
2. Manufacturing process details for the existing and proposed plant shall be included. Chapter on Pulping & Bleaching shall include: no black liquor spillage in the area of pulp mill; no use of elemental chlorine for bleaching in mill; installation of hypo preparation plant; no use of potcher washing and use of counter current or horizontal belt washers. Chapter on Chemical Recovery shall include: no spillage of foam in chemical recovery plant, no discharge of foul condensate generated from MEE directly to ETP; control of suspended particulate matter emissions from the stack of fluidized bed recovery boiler and ESP in lime kiln
3. Studies shall be conducted and a chapter shall be included to show that Soda pulping process can be employed for Eucalyptus/Casuarina to produce low kappa (bleachable) grade of pulp.
4. Commitment that only elemental Chlorine-free technology will be used for the manufacture of paper and existing plant without chemical recovery plant will be closed within 2 years of issue of environment clearance.
5. A commitment that no extra chlorine base bleaching chemicals (more than being used now) will be employed and AOx will remain within limits as per CREP for used based mills. Plan for reduction of water consumption.
6. Undertaking to comply with the norms stipulated in the S.O. 3187 (E) dated 7/10/2016 for the projects located in Ganga basin.
7. Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.
8. Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm³ shall be furnished.

9. Action plan for 100 % waste utilization shall be submitted.

Standard ToRs FOR LEATHER/SKIN/HIDE PROCESSING INDUSTRY [4(f)]

1. Justification for engaging a particular type of process (raw hide/skin into semi finishing or finished leather, semi-finished leather to finished leather, dry finishing operations, chrome/vegetable tanning, etc.).
2. Details regarding complete leather/ skin/ hide processing including the usage of sulphides, nitrogen compounds, chromium or other tanning agents, post-tanning chemicals, biocides, etc., along with the material balance shall be provided.
3. In case of chrome tanning, details of the chrome recovery plant, management of shavings/solid waste including safe disposal.
4. Details on reuse of soak liquor / saline stream from membrane system, if applicable, to the extent possible in pickling activity after required treatment. Also, mention the salt recovery measures.
5. Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm³ shall be furnished.
6. Action plan for 100 % waste utilization shall be submitted.

Standard ToRs FOR COKE OVEN PLANT [4(b)]

1. Justification for selecting recovery/non-recovery (beehive) type batteries with the proposed unit size.
2. Details of proposed layout clearly demarcating various facilities such as coal storages, coke making, by-product recovery area, etc within the plant.
3. Details of coke oven plant (recovery/non-recovery type) including coal handling, coke oven battery operations, coke handling and preparation.
4. Scheme for coal changing, charging emission centre, Coke quenching technology, pushing emission control.
5. Scheme for coke oven effluent treatment plant details including scheme for meeting cyanide standard.
6. Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019. Provision of CDQ in case of coke oven plant of 0.8 MTPA and above.
7. Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm³ shall be furnished.
8. Action plan for 100 % solid waste utilization shall be submitted.
9. Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.

Standard ToRs FOR ASBESTOS MILLING AND ASBESTOS BASED PRODUCTS[4(c)]

1. Type of fibres used (Asbestos and others) and preference of selection from techno-environment angle should be furnished

2. As asbestos is used in several products and as the level of precautions differ from milling to usage in cement products, friction products gasketing, textiles and also differ with the process used, it is necessary to give process description and reasons for the choice for selection of process
3. Technology adopted, flow chart, process description and layout marking areas of potential environment impacts
4. National standards and codes of practice in the use of asbestos particular to the industry should be furnished
5. In case of newly introduced technology, it should include the consequences of any failure of equipment/ technology and the product on environment status.
6. In case of expansion project asbestos fibre to be measured at stack emission and work zone area, besides base line air quality.
7. In case of green field project asbestos fibre to be measured in the ambient air.
8. Action plan to limit the particulate matter emission from all the stacks below 30 mg/Nm³ shall be furnished.
9. Action plan for 100 % solid waste utilization shall be submitted.
10. PM (PM₁₀ and P_{2.5}) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations in case of expansion projects (trace elements /asbestos fibre) of PM₁₀ to be carried over.
11. Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.

Standard ToRs FOR IRON ORE BENEFICIATION PLANT [2 (b)]

1. Details regarding pollution control measures to be adopted in the mineral handling area, loading and unloading areas including all transfer points shall be submitted.
2. The Project proponent shall submit action plan for conditioning of the ore with water to mitigate fugitive dust emission, without affecting flow of ore in the ore processing and handling areas.
3. Treatment details regarding effluent generated from the ore beneficiation plant and the mode of transportation of tailing slurry shall be submitted.
4. Separate chapter on slime management shall be submitted.
5. Action plan for regular monitoring of ground water level and quality in and around the project area of beneficiation plant and tailing/slime pond shall be submitted by establishing a network of existing wells and constructing new piezometers.
6. Details regarding lining of the tailing/slime pond to be provided shall be submitted in order to ensure that there is no leaching from the tailing/slime pond.
7. Details regarding establishment of garland drain around the tailing/slime pond and the quantity of decanted water to be re-circulated from the tailing/slime pond shall be submitted along with complete water balance.
8. Technology to be adopted for maximum recovery of ore in order to reduce slurry discharge and to increase the life of the tailing/slime pond shall be submitted.
9. Action plan for 100 % solid waste utilization shall be submitted.
10. Action plan for the stock piles with impervious floor, provision of garland drains and catch pits to trap run off material shall be submitted.

Executive Summary

Executive summary of the report in about 8/10 pages incorporating the following:

- i. Project name and location (Village, Dist, State, Industrial Estate (if applicable))
- ii. Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes. Materials balance shall be presented.
- v. Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi. Capital cost of the project, estimated time of completion
- vii. Site selected for the project – Nature of land – Agricultural (single/double crop), barren, Govt/private land, status of its acquisition, nearby (in 2/3 km.) water body, population, within 10km other industries, forest, eco/sensitive zones, accessibility, (note – in case of industrial estate this information may not be necessary)
- viii. Baseline environmental data – air quality, surface and ground water quality, soil characteristic, flora and fauna, socio/economic condition of the nearby population
- ix. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- x. Likely impact of the project on air, water, land, flora/fauna and nearby population
- xi. Emergency preparedness plan in case of natural or in plant emergencies
- xii. Issues raised during public hearing (if applicable) and response given
- xiii. CSR plan with proposed expenditure.
- xiv. Occupational Health Measures
- xv. Post project monitoring plan

List of the Expert Appraisal Committee (Industry-1) members participated during VC Mode meeting

S. No.	Name	Position	21.05.2026	22.05.2026
1.	Shri Rajive Kumar	Chairman	Present	Present
2.	Dr. Dipankar Shome	Vice Chairman	Present	Present
3.	Dr. S. Ranganathan	Member	Present	Present
4.	Dr. Ranjit Prasad	Member	Present	Present
5.	Dr. W G Prasanna Kumar	Member	Present	Present
6.	Prof. Dinesh Kumar Sharma	Member	Present	Present
7.	Dr. Suranjan Sinha	Member	Present	Present
8.	Dr. E V R Raju	Member	Present	Present
9.	Dr. S K Chaturvedi, (Representatives of NCCBM)	Member	Present	Present
10.	Dr. Prasoon Gargava, Scientist 'F'(Representative of CPCB)	Member	Absent	Absent
11.	Dr. Ankit Viragami, Scientist D (Representative of National Institute of Occupational Health -NIOH)	Member	Present	Present
12.	Dr. Sandip Kumar Mukhopadhyay, Scientist-F, (Representative of M/o Earth Sciences)	Member	Present	Present
13.	Dr. Sonu Singh, Member Secretary (EAC Ind-1), Scientist 'E', MoEFCC	Member Secretary	Present	Present
Ministry Officials (Industry-1 Sector)				
14.	Dr P Suresh Babu	Scientist D	Present	Present
15.	Dr Sandeepan BS	Scientist C	Present	Present

Approval of EAC Chairman

Re: Approval of MoM of 28th EAC (Industry-1) held on 21-22 May 2026 - reg.

Rajive Kumar <chairman.eac.ind.1@gmail.com>

Fri, 29 May 2026 17:47:56 +0530INBOX

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**Dear Dr Sonu Singh ji,
The minutes are approved.
Kindly do the needful.
Best wishes
Rajive Kumar
Chairman- EAC- Industry-1**

On Fri, 29 May 2026 at 4:02 PM, Sonu Singh <sonu.singh@gov.in> wrote:

Respected Chairman Sir,

The 28th EAC Meeting of the Industry-1 Sector was held on 21st-22nd May 2026 in HYBRID mode. The draft Minutes of Meeting (MoM) of the meeting were shared to EAC Members on 28-05-2026 seeking comments/ inputs from the esteemed EAC Members. Based on the feedback received, the MoM have been updated. Since the comments have been duly considered and incorporated in the draft MoM, the Final Version of the MoM of the 28th Meeting of the EAC (Industry-1 Sector), are being attached in word and pdf version.

It is requested to kindly accord approval so that the same may be published on PARIVESH portal.

Regards

Sonu Singh
Scientist-E,
Impact Assessment Division,
Ministry of Environment, Forest and Climate Change of [India](https://www.india.gov.in)
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