



Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division  
(Non-Coal Mining)

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Minutes of AGENDA FOR 57th MEETING OF THE EXPERT APPRAISAL COMMITTEE (NON- COAL MINING SECTOR), SCHEDULED ON 31st DECEMBER, 2025 THROUGH VIDEO CONFERENCING MODE meeting Non-Coal Mining held from 31/12/2025 to 31/12/2025 Date: 07/01/2026

MoM ID: EC/MOM/EAC/633954/12/2025

Agenda ID: EC/AGENDA/EAC/633954/12/2025

Meeting Venue: N/A

Meeting Mode: Virtual

Date & Time:

31/12/2025	10:30 AM	05:30 PM
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1. Opening remarks

MINUTES OF 57<sup>th</sup> MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006 HELD ON 31<sup>st</sup> DECEMBER 2025.

2. Confirmation of the minutes of previous meeting

Deliberation & Circulation of Earlier Minutes

- (1.0) Deliberation & Circulation on the Minutes of 56<sup>th</sup> EAC (Non-Coal Mining) Meeting held during 22<sup>nd</sup> December 2025.
- (2.0) Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 MTPA of Limestone in the mine lease area of 251.9 ha, located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat - For Amendment in Environmental Clearance - reg.

**[Online Proposal No. IA/GJ/MIN/474873/2025; File No. J-11015/121/2007-IA.II (M), EIA Consultant - M/s J. M. Environet Pvt. Ltd.]**

The instant proposal is for amendment in Environment Clearance vide letter dated 30<sup>th</sup> July, 2020 Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12MTPA of Limestone in the mine lease area of 251.9 ha, located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat. The amendment in EC w.r.t reduction of Mining lease area from 251.9 ha to 238.0807 ha.

The proposal was appraised and recommended for grant of amendment in EC vide minutes of the 48<sup>th</sup> EAC Meeting of the Expert Appraisal Committee (Non-Coal Mining sector) held on 7-8<sup>th</sup> August, 2025. However, the reduction in Mining lease area from 251.9 ha to 238.0807 ha was not reflected in the recommendation paragraph. Accordingly, following corrigendum has been recommended by the EAC in the minutes of the 48<sup>th</sup> EAC meeting held on 7-8<sup>th</sup> August, 2025: -

Location in MoM	As per 48 <sup>th</sup> EAC Minutes of Meeting	Corrigendum in MoM of 48 <sup>th</sup> EAC Meeting
Para 3.2.4, sub-para 8, Page no. 226 of 477	Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in 48 <sup>th</sup> EAC meeting held during 7-8 <sup>th</sup> August, 2025 under the provisions of the EIA Notification, 2006 and its subsequent amendments, recommended the proposal for grant of amendment in Environmental Clearance of Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 MTPA of Limestone in the mine lease area of 251.9 ha, located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat subject to following specific conditions in addition to the standard EC conditions applicable to non-	Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in 48 <sup>th</sup> EAC meeting held during 7-8 <sup>th</sup> August, 2025 under the provisions of the EIA Notification, 2006 and its subsequent amendments, recommended the proposal for grant of amendment in <b><i>Environmental Clearance for reduction of mine lease area from 251.9 ha to 238.0807 Ha for Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 MTPA of Limestone</i></b> located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat subject to following specific conditions in addition to the standard EC conditions applicable to non-coal mining projects:-

	coal mining projects:-	
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### 3. Details of proposals considered by the committee

Day 1 -31/12/2025

#### 3.1. Agenda Item No 1:

##### 3.1.1. Details of the proposal

Bailadila Iron Ore Mines, Deposit-11 Project of M/s. NMDC Limited for capacity expansion of existing production from 11.3 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh. by NMDC LIMITED located at DANTEWADA, CHHATTISGARH			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity Sub-Activity (Schedule Item)
<a href="#">IA/CG/MIN/559993/2025</a>	IA-J-11015/70/2018-IA.II(NCM)	19/12/2025	Mining of minerals Non-Coal Mining (Major Minerals)- Opencast (1(a))

##### 3.1.2. Project Salient Features

The proposal is for Term of Reference(ToR) for Bailadila Iron Ore Mines, Deposit-11 Project of M/s. NMDC Limited for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh

2. The details of the project submitted by the Project Proponent are given under:

#### i. Project details:

Name of the Proposal	Bailadila Iron Ore Mines, Deposit-11 Project of M/s. NMDC Limited for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM I
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	ron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 H a located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh.	
Location	Village	Kirandul
	Tehsil/Taluka	South Bastar
	District	Dantewada
	State / UT	Chhattisgarh
	Latitudes	18°37'34.6066" to 18° 41'26.1792" N
	Longitudes	81° 13'13.2276" to 81°15'18.0396" E
	Sol Topo sheet No.	E44J2/J6
Company's Name	NMDC Limited	
Accredited Consultant and certificate no. and Validity	Proposal is for obtaining of TOR. Hence, EIA consultant has not been appointed for TOR.	
KML file	Submitted	
Seismic zone	II	
ii. Category details:		

Category of the project	A
Schedule No.	EIA Notification 2006
Mining lease Area (in ha.)	874.924 Ha
General Conditions (if any)	Not Applicable

**iii. Details of Mine Lease in chronological manner:**

S.No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1	Initial Grant (30 years)	11.09.1967	10.09.1997	Hematite	1809.23
2	1 <sup>st</sup> year renewal (20 years)	11.09.1997	10.09.2017	Hematite	874.924
3	1 <sup>st</sup> Lease extension (20 years)	11.09.2017	10.09.2037	Hematite	874.924

**iv. Land Use/Land Cover of the Mine Lease Area:**

Private land	Nil
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Government land	Nil
Forest land	874.924
Total Mining lease area (MLA), ha	874.924
Private land for crusher, workshop & other infrastructure outside the MLA.	<ul style="list-style-type: none"><li>· NMDC has acquired 54.854 ha revenue land outside ML area for Loading plant at Kirandul. NMDC has also acquired revenue land outside ML area measuring 245 Ha out of which an area of 120.10Ha has been utilized for Tailing dam at Kadampal. NMDC has also acquired lands at Bacheli for infrastructural facilities.</li><li>· The screening plants are located inside the Mining Lease area of Deposit-14 NMZ. These facilities are common to the Mining lease of Deposit-14 and 11B and Deposit-11C part of Deposit-11 ML. The RoM iron ore of Deposit-11A is processed in the infrastructure facilities created at Bacheli.</li></ul>
Additional information (if any)	<p>Existing: 3000 TPH Gyratory crusher in located inside lease area.</p> <p>Proposed: 3.00 MTPA capacity In Pit Crushing &amp; Conveying system (IPCC) at Deposit-11A.</p>

**v. Mining plan details:**

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	RPR/DANTEWADA/IRON/1456/RMP/2024-25
	Date	26/03/2025



	Mineral & (Major/Minor)	Major
	Mine Lease Area, Ha	874.924 Ha
	Validity	FY 2025-26 to FY 2029-2030
Additional information (if any)	---	
<b>Mining Parameters</b>	<b>Quantitative Description</b>	
Method of Mining	Fully Mechanized open cast Method	
Drilling/Blasting	<p><b>Drilling</b></p> <ul style="list-style-type: none"> <li>· Primary Drilling: by 250 mm dia. and 150 mm dia. blast hole drills.</li> <li>· Wet drilling adopted due to which dust generation is eliminated at source.</li> <li>· Secondary drilling: for toes and ledges</li> </ul> <p><b>Blasting</b></p> <ul style="list-style-type: none"> <li>· Primary Blasting: using Site Mix Emulsion Explosives (SME) in conjunction with cast boosters and Nonel (Non-Electric delay detonators).</li> <li>· Secondary blasting: by cartridge explosives of 83mm diameter. Blast holes are drilled in staggered / rectangular pattern for primary drilling.</li> <li>· Carried out only in day time and is avoided during high windy periods.</li> </ul>	
Geological Reserves	558.84 Million Tons (MT) as on 1/1/2025.	
Mineable Reserves	351.32 MT (as on 01.01.2025)	

Breakup of Total Excavation (Topsoil/OB/SB/IB/ Mineral Rejects/ Waste, MTPA)	RoM Iron Ore excavation: 11.30 to 14.50 MTPA Waste excavation: 2.70 to 15.39 MTPA Total Excavation 14.00 to 29.89 MTPA
Life of mine	25 years
Mine Bench Height & Bench Width	12 m height & 20m - 30m
No. of Mine Benches	Pit 11A-08 nos; Pit 11B-10 nos.; Pit 11C - 14 nos
Existing Depth, m bgl	11A- 96 m (1224 MRL to 1128MRL) 11B- 120 m (1260MRL to 1140MRL) 11C - 168 m (1186 MRL to 1018 MRL)
Ultimate Depth of Mining, m bgl	Pit-11A-984 MRL Pit 11B-984 MRL Pit 11C-922 MRL
Ground Water Table, m bgl	730 mRL
Details of ground water intersection	No intersection of GW table occurs
Individual bench slope	70°-80°
Overall pit slope	<=45°
Details of existing/ proposed Crusher	Existing: 3000 TPH Gyratory crusher is located inside lease area. Proposed: 3.00 MTPA capacity In Pit Crushing & Convey



	ing system (IPCC) at Deposit-11A.
Mineral Beneficiation	No
RoM output size	150mm from gyratory crusher and size less than 20 m m from proposed IPCC.
Transportation details including capacity of dumper/tipper, mode of transport and distance	The iron ore is transported to various customers through (i) KK railway line (ii) conveyor system to AMNS beneficiation plant at Kirandul and (iii) marginal quantity through SH/NH road.
Generation of Topsoil/OB & its Management during plan period & conceptual period	It is an existing mine with rock exposures & laterite capping top soil is not available.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	Waste will be dumped to the designated waste dumps duly approved by Indian Bureau of Mines.
Additional information (if any)	<ul style="list-style-type: none"> <li>· The blasted ore is transported from mining benches by using 100 tones capacity dumpers to Crushing Plant.</li> <li>· The crushed iron ore is transported through closed down hill conveyor system from crushing plant to screening plant.</li> <li>· The final products from screening plant(s) to Loading plant is also transported through covered conveyor system.</li> </ul> <p><b>Deposit-11A</b></p> <ul style="list-style-type: none"> <li>· Presently, ROM Iron Ore of Deposit-11A is fed to crushing plant of Deposit-10 (adjacent ML of NMDC) for crushing along with Deposit-10 ROM Iron ore and processed in existing Screening Plant located at Bacheli and stacked at loading plant for despatch of ore by rail &amp; road.</li> <li>· Under capacity expansion proposal, It is proposed to</li> </ul>

install 3 MTPA IPCC at Deposit-11A. The out-put size of iron ore shall be less than 20mm and is transported through new downhill conveyor to new screening and new loading plant proposed to be developed at Bacheli (Outside the lease). A provision shall be made to divert the products to existing loading plant at Bacheli. The final products shall be 10 to 20mm size and less than 10 mm size.

#### **Deposit-11B**

· Presently, ROM Iron Ore of Deposit-11B is fed to existing 3,000 TPH Gyratory crushing plant located inside lease area for crushing. The crushed iron ore is fed to Screening Plant-I and II located in Deposit-14 NMZ ML (adjacent ML of NMDC) for sizing of iron ore along with ore of Deposit-14 and 11C. The new SP-III has also commissioned which will cater the screening requirements of all Mines such as 14mine, 11C mine and 11B mine of Kirandul complex. The same shall be continued even after capacity expansion. No changes proposed.

#### **Deposit-11C**

· Presently, ROM Iron Ore of Deposit-11C is fed to existing 2,300 TPH Gyratory crushing plant located at Deposit-14 NMZ ML (adjacent ML of NMDC) for crushing the ore along with Dep-14 NMZ (11C) Ore. The crushed iron ore is fed to Screening Plant-I and II located in Deposit-14 NMZ ML for sizing of iron ore along with ore of Deposit-14 & 11C. A new SP-III (outside lease) has also been commissioned which is catering the requirement of all mines of Kirandul Complex.

Ø The sized iron ore of SP-I, II and III is transported to Loading plant at Kirandul (mechanical, MV siding manual, MV siding RWLS and Route 15).

Ø The same shall be continued even after capacity expansion.

#### **vi. Water requirement:**

Total water requirement	Existing: 1500 m <sup>3</sup> /day & Expansion: 450 m <sup>3</sup> /day. Total: 1950 m <sup>3</sup> /d	Fresh water	1900 m <sup>3</sup> /day

Source	ay.	Treated water	50 m <sup>3</sup> /day-rain water harvesting
Permission for withdrawal/ intersection along with details of grant and its validity	Existing water sources Malinger nalla, Kirandul nalla, Gallinalla etc		
	Water Resource Dept, Govt. of Chhattisgarh vide letter dated 20/2/2023 accorded permission to withdraw 6.735 cu.m / annum from the surface water source of Malangir bandh, Kurup bandh, Intek well bandh, Nalla no.25.		
Additional information (if any)	---		

vii. **Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest**

Particulars	Particular's Name	Distance & Directions
Village	Kadampal	6 Km, E
	Padhapur	3.3Km, NE
	Kirandul TS	3.9 Km, SE
	Kodenar	2.6 Km, SE
	Pina Bacheli	6.3 Km, NE
	Bainpal	3.6 Km, E
Highway	SH-5	1.5 Km, E

	NH-63	35 Km, N
Interstate Boundary		Not Applicable Telangana:
Railway Station/Railway line	Kirandul	0.6 Km, SE
Water Bodies	Koyar nadi	4.6 Km, NE
	Malinger nadi	4.5 Km, SSE
	Madadi nadi	2.9 Km, E
	Sankini nadi	5.5 Km, NE
	Galli nalla	1.1 Km, W
Forest	Bailadila RF	Within and Adjacent

viii. **Presence of Environmentally Sensitive areas in the study area**

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	Yes 874.924 Ha (Entire land)	Forest Clearance for diversion of 874.924 Ha Forest land was obtained from MOEFCC vide letter no. 8-98/97-FC dated 22/12/1999 and the same has been extended upto 10/09/2037 by CG State Forest Dept, Govt. of Chhattisgarh, Mantalaya, Nava Raipur letter no. 5-3

		4/1997/10-2 dated 31/03/2020.
National Park	No	-
Wildlife Sanctuary	No	-
Elephant/Tiger Reserve	No	-
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	-
Coastal Regulation Zone (CRZ)	No	-
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	<p>There are 22 Schedule-I species reported as per Wild Life (Protection) Amendment Act 2022 in the study area.</p> <p><b>Mammals:</b> Sloth Bear, Leopard, Jungle Cat, Jackel, Sambar, Bengal Fox, Grey Mongoose, Indian Pangolin, Indian Porcupine, Giant flying Squirrel</p> <p><b>Reptiles:</b> Bengal Monitor, Python, Dharman or Indian Rat snake, cobra, Russels Vipor, Checkered Keelback.</p> <p><b>Birds:</b> Bustar Hill Myna, Common peafowl, euracian eagle owl, brown fish owl, common barn owl, cotton pygmy goose.</p> <p>A site-specific conservation plan has been prepared and submitted to DFO, Dantewada on 4/2/2021 for an amount of ₹10.25 crores.</p>

Wildlife Conservation Plan	Site Specific Wildlife Conservation Plan as per Wildlife (Protection) Act, 1972 (9 <sup>th</sup> September, 1972) has already been prepared and got approval by PCCF (Wildlife) / CWLW, Forest Department, Raipur for a total expenditure of ₹ 13.93 crore vide a letter dated 4 <sup>th</sup> February, 2017. NMDC transferred an amount of <b>₹13,68,82,700/-</b> to Chhattisgarh CAMPA account on 30 <sup>th</sup> January 2017. The plan is under implementation by Forest Department, Dantewada.
Additional information	Wild life conservation plan for entire Dantewada Forest Division was prepared against one of the FC conditions for proposal for diversion of 65.936 Ha Forestland at Kirandul of NMDC and got approval of PCCF (WL)/CWLW, Forest Dept, Raipur vide letter no.3445 dated 7/12/2013 for an amount of ₹15.50 Cr which has been deposited on 30/4/2014 in CAMPA AC by NMDC.
<b>ix. Green belt/plantation details:</b>	
Proposed area for green belt/plantation and no. of saplings proposed	<ul style="list-style-type: none"> <li>· The entire Mining Lease area of Deposit-11 is forest land.</li> <li>· Project has already taken undertaken gap plantation over 662 Ha with plantation of 4,00,000.</li> <li>· Reclamation and rehabilitation of mined out areas, waste dumps etc., shall be undertaken for plantation purpose once they became passive in a phased manner.</li> <li>· No. of trees planted 317000 of native species. Proposed 15,000 native species will be pl</li> </ul>



	anted in 7.50 Ha.
Budget for green plant & plantation till the end of life of mine.	The area to be covered is 836.924 Ha with plantation of 17,26,882 plants with the budget estimation of ₹186.28 crores at the end of the life of the mine.
Budget for nursery	₹50 lakhs for Kirandul Complex
Details of existing plantation and its survival rate	No. of trees already planted are 3,17,000 and outside ML area is 1,00,000/- of native species. Survival rate is about 90%
No. of tree cuts in the mine lease area and compensatory afforestation	---
<b>Particulars for Green belt/ plantation</b>	<b>Area covered (in Ha)</b>
7.5 m barrier & non-mineralized zone	13.545
50 m safety zone of nallah, roads, electric lines	--- e-Payments
500 m safety zones of nearest habitation villages	---
<p>x. <b>Baseline detail: (monitoring is under progress)</b></p>	

**Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)**

Period of baseline data collection	December to February 2026
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season.
Predominant Wind direction (From)	E & NE
Ambient Air Quality (no. of locations) and results	8 locations
Noise level (no. of locations) and results	8 locations
Water Quality (no. of locations) and results	10 locations
Soil Quality (no. of locations) and results	5 locations
Hydro geological study and results	Seasonal ground water quality and water levels are conducted at 30 locations. The results of the water levels shows that the check dams, check bunds and settling ponds acts as a ground water recharge structures.

Traffic study (no. of locations) and results	The traffic density survey will be conducted at 1 location on Kirandul, Bacheli SH road (Single Lane, both sides, 5m wide road).
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**xi. Public Hearing (PH) Details:**

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	Not applicable. Proposal is for ToR
Date of PH	Not applicable. Proposal is for ToR
Venue	Not applicable. Proposal is for ToR
Chaired by	Not applicable. Proposal is for ToR
Main issues raised during PH	Not applicable. Proposal is for ToR
Budget proposed for addressing issues raised during PH over 3 years	Not applicable. Proposal is for ToR
Additional information (if any)	Not applicable. Proposal is for ToR

**xii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:**

<b>Particulars</b>	Details of Letter along with date of grant and validity
Consent to Establish	Member Secretary, Nava Raipur Atal Nagar letter

	no. 8699 /TS/CECB/2023, dated: 16/03 /2023 for 11.30 MTPA
Consent to Operate	Member Secretary, Nava Raipur Atal Nagar letter no. 5957 /TS/CECB/2025, Dated: 02/09/2025 which is valid upto 31/8/2028 for 11.30 MTPA
Certified Compliance Report and Inspection date	The CCR shall be obtained from RO, MOEFCC, Raipur and will be incorporated in Final EIA report.
Certified Production Details from the inception of the mine (in tabular form against the EC capacity).	Certified Production Details from inception of mine to 2025 is submitted vide letter dated 30.12.2025

**xiii. Rehabilitation & Resettlement (R&R):**

R & R details	Not applicable.
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**xiv. Court case details:**

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted Affidavit and undertaking dated 30.12.2025)

**xv. Affidavit/Undertaking details:**

Affidavit as per Ministry's O  
M dated 30.05.2018

PP has submitted Affidavit and undertaking dated  
30.12.2025

**xvi. EDS/ADS details (If any):**

PP has submitted point wise reply letter dated 19.12.2025 against the EDS were raised on  
12.12.2025

S. N o	EDS/ADS Point	Reply by Project Proponent																														
1.	<p>There is an anomaly/discr epancy in the number of E mployment mentioned in the Common Application Form (CAF) submitted by the Project Proponent (P P):</p> <p>As per para/sl. no. 8 of th e Common Application Fo rm (CAF), existing Employ ment has been provided a s 1599 nos. and proposed employment has been sho wn as 0 (nil). However, in part A of the CAF as per p ara no 1.7.1 the present e mployment has been sho wn as 2558 nos. and after expansion employment ge neration of 30 nos. have b een indicated. PP needs to clarify and reconcile this d iscrepancy by providing th e correct and updated det ails of existing and propos ed Employment.</p>	<p>Deposit-11 is an existing project under operat ion located at Bailadila, Kirandul.</p> <p>As per para no.8, of the common application f orm (CAF), the existing employment generati on during the construction phase is "nil", since the project is an existing project and operatio nal. The following are the existing employmen t details</p> <table> <tr> <th></th><th>Type</th><th>Employment</th></tr> <tr> <td>Permanent</td><td>Officers</td><td>323</td></tr> <tr> <td></td><td>JO</td><td>15</td></tr> <tr> <td></td><td>Workmen</td><td>1252</td></tr> <tr> <td></td><td>Workmen (Tr ainee)</td><td>9</td></tr> <tr> <td></td><td>Sub-Total</td><td>1599</td></tr> <tr> <td>Contractual</td><td>Skilled</td><td>63</td></tr> <tr> <td></td><td>Semi-skilled</td><td>60</td></tr> <tr> <td></td><td>Un-skilled</td><td>592</td></tr> <tr> <td></td><td>Security</td><td>130</td></tr> </table>		Type	Employment	Permanent	Officers	323		JO	15		Workmen	1252		Workmen (Tr ainee)	9		Sub-Total	1599	Contractual	Skilled	63		Semi-skilled	60		Un-skilled	592		Security	130
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		<table> <tr> <td></td><td>ICH</td><td>114</td></tr> <tr> <td></td><td>Sub-total</td><td>959</td></tr> <tr> <td colspan="2"><b>Grand Total</b></td><td><b>2558</b></td></tr> </table> <p>After expansion, it is proposed to generate contractual employment of 30 nos. Therefore, total employment after expansion from 11.30 MTPA to 14.50 MTPA is 2588 nos.</p>		ICH	114		Sub-total	959	<b>Grand Total</b>		<b>2558</b>
	ICH	114									
	Sub-total	959									
<b>Grand Total</b>		<b>2558</b>									
2	PP needs to submit a copy of the certificate from the State Forest Department regarding the presence of National Park/ Wildlife Sanctuary/Biosphere Reserve/ Eco-Sensitive Zone within a 10 km study area	<p>There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar Sites, or Tiger/Elephant Reserves located within a 10km radius of the Deposit-11 mining lease.</p> <p>Accordingly, the Ministry of Environment Forest and Climate Change (MoEF&amp;CC) accorded Environmental Clearance to Deposit-11 Mining Lease vide letter dated 01.12.2021, wherein, under Point No. 11, the presence of environmentally sensitive areas within the study area has been indicated as "No".</p> <p>Further, no new areas have been declared as ecologically sensitive within the said 10 km radius subsequent to the grant of the Environmental Clearance.</p> <p>The map indicating the absence of ecologically sensitive areas within a 10 km radius of the Deposit-11 mining lease submitted by PP.</p>									
3	PP needs to provide the current status of court case, WP(C) 612/2020 in Ho	Last hearing held on 24/9/2025. Learned counsel prayed for listing after 3 weeks. Interim relief shall continue till next date of hearing.									



	n'ble High Court of Chhattisgarh.									
4	The Project Proponent needs to submit whether any other court cases are pending against the project except the above.	No.								
5	PP needs to submit an undertaking as per the Ministry OM dated 30.05.2018.	Undertaking is submitted as per PP								
6	PP needs to submit the number of trees planted at the safety zone (7.5 m) of the ML area (also indicating area of green belt development).	<p>NMDC has deposited necessary funds with forest dept. for undertaking safety zone fencing and plantation outside ML area (7.5 mtrs strip all along the outer boundary of mining lease area). Further, as per MoEF &amp; CC circular no. F. No. 11-125/2014 -FC dated 27-05-2015 and clarifications vide F. No. -8-67/1996-FC (Pt) dated 02-08-2017, NMDC has undertaken the safety zone fencing and plantation inside the ML area (7.5 mtrs strip all along the inside boundary of mining lease area). The safety zone fencing and plantation has been undertaken through Chhattisgarh Rajya Van Vikash Nigam in two phases in respect of Kirandul Complex which consists of three mining leases viz. Dep-14 ML, Dep-14 NMZ ML and Dep-11 ML having common lease boundary. The safety zone area of Deposit-11 mining lease is 13.545 Ha. Since the Dep-11 ML is having common lease boundary with Dep-14 NMZ ML which also shares common lease boundary with Dep-14 ML. Hence the safety zone fencing and plantation works were carried out for above three mining leases of Kirandul Complex as given below:</p> <table><tr><td>Sl.No</td><td>Particulars</td><td>Safety zone fencing</td><td>Safety zone plantation</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Sl.No	Particulars	Safety zone fencing	Safety zone plantation				
Sl.No	Particulars	Safety zone fencing	Safety zone plantation							

		1	Phase-I	5.33 KM	5000
		2	Phase-II	10.66 KM	10000

**xvii. Details of project cost and employment:**

Particulars	(₹ In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	₹ 4.0 Crores (Approx)
Project Cost	Existing Cost is ₹520.20 crores & CAPE X for proposed expansion ₹40.0Cr. Total Project Cost: 560.20 Crores.
Employment (No.s)	30

**3.1.3. Deliberations by the committee in previous meetings**

N/A

**3.1.4. Deliberations by the EAC in current meetings**

EAC deliberated the proposal of Term of Reference (ToR) for Bailadila Iron Ore Mines, Deposit-11 Project for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh by M/s National Mineral Development Corporation Limited.

The proposed project activity is listed at Schedule 1(a) - Mining of Minerals under

Category 'A' (Non-Coal Mining) of the EIA Notification, 2006.

The Project Proponent (PP), presented the KML file and highlighted the key site features. PP mentioned that ML area is located at Kirandul Village. Villages located within 10 Km radius include Kodanar (2.6 km SE), Padhapur (3.3 Km, NE), Kadampal (6km, E). The State highway SH-5 is located at a distance of 1.5 km, in the eastern direction from the ML area and NH 63 is located at a distance of 35 Km in North eastern direction from the ML area. PP reported that there are no national parks, Wildlife Sanctuaries, Biosphere Reserves, or Eco-Sensitive Zones within a 10 km radius of the Mine Lease.

PP also mentioned that Koyar Nadi is located at a distance of 4.2 Km in North-East direction from the ML area and Galli Nalla is located at an approximate distance of 1.1 km in west direction from the ML area.

PP mentioned that ML area is located within Bailadila Reserve Forest. The topography of the lease area is hilly terrain. PP reported that the forest clearance for diversion of 874.924 ha forest land had already been obtained from MoEFCC vide letter no: 9-98/97-FC dated 22/12/1999 and the same has been extended up to 10.09.2037 by State Forest Dept, Govt. of Chhattisgarh, vide letter no. 5-34/1997/10-2 dated 31.03.2020.

PP reported that initially the mining lease of Bailadila Deposit-11 was granted to M/s NMDC Limited on 11.9.1967 for a period of 30 years which was valid upto 10.9.1997. The 1<sup>st</sup> extension of mining lease was obtained and executed on 17/10/2005 for a period of 20 years from 11.09.1997 to 10.09.2017. The second extension was granted from 11.09.2017 to 10.09.2037 and the extension was executed on 05.11.2018.

PP further reported that Bailadila Iron Ore Mines, Deposit-11 consists of three pits namely 11A, 11B and 11C. PP had earlier obtained EC dated 01.12.2021 for a production capacity of 11.30 MTPA ROM iron ore and 2.70 MTPA waste excavation. PP also mentioned that Deposit 10 ML area is located adjacent to the instant ML area in the northern direction. Deposit 14 /14NMZ is located adjacent to the instant ML area in the southern direction.

EAC reviewed the submission of PP and stated that PP should conduct a comprehensive and cumulative EIA/EMP by including the impact of proposed expansion and existing production in nearby mining leases on flora, fauna, air, water environment, habitations, etc. Since there are several mines of M/s NMDC Ltd is operating in close proximity to this mine, EAC was of the opinion that Cumulative impact assessment of these mines should be done.

The Mining Plan, including the Progressive Mine Closure Plan, has been approved by the Indian Bureau of Mines vide letter NoRPR/DANTEWADA/IRON/ 1456/RMP/2024-25 dated 26.03.2025, covering a mining lease area of 874.924 ha and valid for five years. PP submitted that the mining operations are fully mechanized opencast method. The mine is being operated using shovel dumper combination and involves various process such as drilling, blasting, excavation, quality control, ore processing (crushing & screening), loading of products, sub grade stockpile and waste disposal, respectively. Project Proponent reported that the presently,

total of 3 locations are identified for dumping of waste rock extending over total area of 46.058 Ha. The waste rock dump area will increase to 163.322 Ha which is as per approved Modified Mining Plan. The ultimate pit limits for the mining operations are defined by three specific areas: 11A, 11B, and 11C. Area 11A has an elevation of 984 meters (RL), while 11B shares the same elevation of 984 meters RL. In contrast, area 11C is significantly lower, with an elevation of 922 meters RL. The groundwater table is at 730 mRL therefore mining will not intersect the ground water. PP stated that the dumps will be properly dressed, benched, sloped at low angle with terracing to maintain within  $28^{\circ}$ . Stabilization of dumps will be taken up by plantations or other soil binding shrubs or grasses over the slopes including application of coir geo-textile.

EAC noted the submission of PP and asked whether PP intends to utilize, the sub-grade and BHQ mined out from the instant mine. PP stated that NMDC is undertaking R&D at their own laboratory located in Hyderabad to assess the feasibility of utilisation of sub-grade material and BHQ, and that the outcomes of these studies will be incorporated into the EIA-EMP report. EAC reviewed the submission of PP and suggested that PP should explore the extraction of Iron Ore from BHQ through latest available technologies and also conduct appropriate R& D in this regard. EAC advised to submit the detailed study in this regard in the EIA/EMP report.

With regard to transportation, PP submitted that presently ROM Iron Ore of Deposit-11A is fed to crushing plant of Deposit-10 (adjacent ML of NMDC) for crushing along with Deposit-10 ROM Iron ore and processed in existing Screening Plant located at Bacheli and stacked at loading plant for despatch of ore by rail & road. Under capacity expansion proposal, it is proposed to install 3 MTPA IPCC (Inpit crushing and conveying system) at Deposit 11A. The output size of iron ore shall be less than 20mm and it shall be transported through new downhill conveyor to new Screening and new Loading plant proposed to be developed at Bacheli (outside lease). A provision shall be made to divert the products to existing loading plant at Bacheli. The final products shall be 10 to 20mm size and less than 10mm size.

Further with regard to Deposit 11 B, PP stated that presently, ROM Iron Ore of Deposit-11B is fed to existing 3,000 TPH Gyratory crushing plant located inside lease area for crushing. The crushed iron ore is fed to SP-I and SP-II located in Deposit-14 NMZ ML (adjacent ML of NMDC) for sizing of iron ore along with ore of Deposit-14 and 11C. The new SP-III has also been commissioned at Kirandul which is catering the screening requirements of all Mines such as 14 mine, 11C mine and 11B mine of Kirandul complex. The same shall be continued even after capacity expansion. No changes has been proposed.

With regard to Deposit 11C, PP stated that presently, ROM Iron Ore of Deposit-11C is fed to existing 2,300 TPH Gyratory crushing plant located at Deposit-14 NMZ ML (adjacent ML of NMDC) for crushing the ore along with Dep-14 NMZ Ore. The crushed iron ore is fed to SP-I, SP-II located in Deposit-14 NMZ ML for sizing of iron ore along with ore of Deposit-14 and 11C. A new SP-III (outside lease located at Kirandul) has also been commissioned which is catering



the requirement of all mines of Kirandul complex. The sized iron ore of SP-I, II and III is transported to Loading plant at Kirandul and the same shall be continued even after capacity expansion.

PP also mentioned that the above stated mined out and crushed/screened ore at present is transported to various customers through (i) KK railway line (47%) (ii) conveyor system to AMNS beneficiation plant at Kirandul (52%) and (iii) marginal quantity through SH/NH road (1%). To enhance safety and mitigate environmental impact during transportation, iron ore transported by trucks is fully covered with tarpaulin sheets.

EAC noted the submission of PP and advised PP to take necessary mitigative measures at Kirandul Railway Siding to arrest fugitive dust emission and follow CPCB guidelines w.r.t. Railway Sidings. Adequate number of fog cannons/fixed water sprinkling in consultation with SPCB needs to be installed at the railway siding.

The project's total water requirement is estimated to be 1950 KLD. PP reported that at present water is being sourced from Malinger nalla, Kirandul nalla, Galli nalla. Further permission has been obtained from Water Resource Dept, Govt. of Chhattisgarh vide letter dated 20.2.2023 to withdraw 6.735 cu.m / annum from the surface water from Malangir bandh, Kurup bandh, Intek well bandh, Nalla no.25.

EAC noted the submission and advised PP to implement efficient water management and conservation practices to reduce reliance on surface water and encourage sustainable resource use. EAC further asked PP to construct water reservoir or pond within the ML area. EAC asked PP about the dumps and run-off management involved therein. PP stated that no waste water is being discharged from operations at Deposit-11 Mining lease. Only surface water during monsoon season emanates from hill top is allowed to pass through number of check dams constructed on various nallas to control turbidity of water. As per PP a total of 14 check dams have been constructed in and around Deposit-11 ML rea. PP further reported that they have constructed four number of silt-setting ponds on Kirandul nalla. These check dams and ponds are being de-silted every year before onset of monsoon season. The recommendations of ICFRE for Surface water management are under implementation through CG State Forest Dept. An MOU was signed on 1/2/2021 with DFO, Dantewada at a total cost of Rs.1615.222 lakhs. The soil and water conservation measures are also being implemented through Forest Department in buffer zone of mining leases of Kirandul complex (Deposit-14, 14 NMZ and 11). The ground water levels and quality is being monitored for entire Bailadila region at 72 locations during 4 seasons in a year and ground water level and quality is not affected as per PP. EAC reviewed the submission of PP and asked PP to submit the groundwater monitoring data of the 72 locations in the EIA/EMP report. EAC also advised, PP to ensure that no untreated water is discharged off from the ML area.

On issue of Wildlife Conservation, PP submitted that Site Specific Wildlife Conservation Plan as per Wildlife (Protection) Act, 1972 has already been prepared and got approval by PCCF

(Wildlife) / CWLW, Forest Department, Raipur for a total expenditure of ₹ 13.93 crore vide a letter dated 4<sup>th</sup> February, 2017 and M/s NMDC Ltd transferred an amount of ₹13,68,82,700/- to Chhattisgarh CAMPA account on 30<sup>th</sup> January 2017. The plan is under implementation by Forest Department, Dantewada. PP also mentioned that Wild life conservation plan for entire Dantewada Forest Division was prepared against one of the FC conditions for proposal for diversion of 65.936 Ha Forestland at Kirandul of NMDC and got approval of PCCF (WL)/CWLW, Forest Dept, Raipur vide letter no.3445 dated 7/12/2013 for an amount of ₹15.50 Cr which has been deposited on 30/4/2014 in CAMPA AC by NMDC.

EAC reviewed the submission of PP and stated that PP should revise and resubmit the wildlife conservation plan by including species as given in Wildlife Amendment Act 2022.

With regard to greenbelt development in the ML area, PP submitted that plantation has already been carried out in the available blank areas of Deposit-11 ML through C.G. Raj Van Vikas Nigam Limited. The entire Mining Lease area of Deposit-11 is forest land. PP reported that they have already undertaken gap plantation over 662 Ha with plantation of 4,00,000. Reclamation and rehabilitation of mined out areas, waste dumps etc., shall be undertaken for plantation purpose once they became passive in a phased manner. Around 317000 of native species has been planted and it is proposed to plant 15,000 native species in 7.50 Ha. Till the end of mine life 836.924 Ha area shall be planted with 17,26,882 plants with the budget estimation of ₹186.28 crores. PP also mentioned that they have earmarked a budget of Rs 50 Lakhs for a nursery at Kirandul Complex.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 57<sup>th</sup> EAC meeting held on 31<sup>st</sup> December, 2025, under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal for Term of Reference (ToR) for Bailadila Iron Ore Mine, Deposit-11 Mining Lease of M/s. NMDC Limited for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh subject to the following specific conditions in addition to the existing standard condition applicable for Non-coal mining projects:-

### 3.1.5. Recommendation of EAC

Recommended

### 3.1.6. Details of Terms of Reference

#### 3.1.6.1. Specific

Specific Conditions



1.	PP should explore the extraction of Iron Ore from BHQ through latest available technologies. Appropriate R& D should be conducted /done in this regard. Consultation with Indian Bureau of Mines should also be done in this regard along with other institutes of national repute.
2.	PP needs to submit a detailed transportation and material handling plan as part of the EIA/EMP, covering the timeline of the proposed installation of 3.0 MTPA IPCC at Deposit-11A, size reduction of ROM to <20 mm, conveyance through the proposed downhill conveyor to the new screening and loading plant at Bacheli (outside the lease area). The plan shall clearly indicate the mode-wise breakup of material transport (conveyor/rail/road), measures for dust suppression and pollution control, traffic management, and mitigation of impacts on nearby habitation.
3.	PP should submit a detailed plan for rain water harvesting with year wise target for reduction in consumption of the ground/surface water by developing alternative source of water through rain water harvesting measures.
4.	Project proponent needs to submit the detailed scientific plan for constructing the retaining wall/other structures so that there is no flow of dump/ore silt outside the lease area.
5.	PP should ensure that no untreated water is discharged from the mine site to any of the natural water bodies and submit a detailed plan thereof.
6.	The Project proponent needs to submit a detailed plan showing more use of renewable energy in the project.
7.	The Project Proponent needs to submit the scientific study on flora and fauna and also to highlight on the endangered species. The Project Proponent needs to verify the list as per the latest Wildlife Protection Amendment Act, 2022 and shall accordingly prepare a Wildlife Conservation Plan. PP needs to submit the proof of submission of Wildlife Conservation Plan to State Forest Department.
8.	The Project Proponent needs to monitor the ambient air quality and noise level at the mine lease boundary, nearest village, crusher, predominant downwind direction and at other sensitive receptors. Accordingly, Project Proponent shall propose to install Continuous Ambient Air Quality Monitoring Stations within certain timeline.
9.	The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air pollution, noise level and ground vibration.
10.	The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years. The Project proponent shall ensure that the activities proposed under the public hearing shall be different from the CSR activities. PP needs to submit a tangible and monitorable action plan for meeting the public hearing commitments.
1	The Project Proponent needs to undertake the enumeration of the species within the mine

1.	lease area before cutting. The Project Proponent also needs to submit the compensatory afforestation plan for the number of trees to be cut in the mine lease area and also to explore the possibility of tree transplantation.
1 2.	The Project Proponent needs to submit the action plan for undertaking the plantation along the 7.5m barrier, safety zone of tar road/cart tracks, electric line etc., PP should also submit the details of numbers of saplings to be planted (2500/ha), type of saplings proposed and the area to be covered under greenbelt/plantation along with the timeline and budget. The greenbelt/plantation plan shall be prepared in such a way that the ecology of the area shall be restored.
1 3.	The Project Proponent shall carry out the assessment of impact due to the proposed project as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
1 4.	The project proponent shall conduct hydrological study for projects involving intersection of ground water table as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
1 5.	The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology up gradation, etc. The efforts shall be delineated in the EIA/EMP.
1 6.	The Project Proponent shall prepare the scheme for mandatory recycle/re-use of water as specified by the Central Ground Water Authority for different category areas.
1 7.	The Project Proponent needs to submit the plan for Socio economic development of the neighbourhoods habitats based on the need based survey along with the time bound action plan in consultation with the local people. Inclusive development with initiatives focused on employment generation, educational support, healthcare facilities for the local communities be planned.
1 8.	The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.
1 9.	The Project Proponent shall provide the details of Special Pollution Control/ Abatement devices that have been installed/ proposed to be installed within the ML area and how does the technology compare with the best available technology in the field.
2 0.	PP to engage a reputable national institute for conducting both blasting and ground vibration studies and to carry out a scientific assessment of air overpressure and fly rock distances following blasting.
2 1.	PP should ensure that all the documents including the approved Mining plan and EIA /EMP should be in consonance with each other.
2 2.	The Project Proponent should submit an action plan to construct water reservoirs within the mine lease area so that reliance on outside water/ground water is lessened/ eliminated.

2 3.	The Project Proponent needs to undertake the enumeration of the species within the mine lease area before cutting. The Project Proponent also needs to submit the compensatory afforestation plan for the number of trees to be cut in the mine lease area and to explore the possibility of tree transplantation.
2 4.	The Project Proponent needs to prepare the installation plan for permanent fixed water sprinkling system along the Haul roads. Installation of fog canons at necessary locations in the project should also be planned.
2 5.	The Project Proponent needs to prepare plan to develop the treatment facility for wastewater within the ML area.
2 6.	PP needs to submit an action plan for installation/ maintenance of ETP and Oil & Grease trap within the ML Area.
2 7.	The Project Proponent needs to submit employment based skill development plan for the local people, and thrust should be to provide employment to local people after imparting training.
2 8.	PP needs to project & submit yearwise back filling plan.
2 9.	PP needs to conduct pit slope stability study by a reputed institute. Since the Volume of overburden is proposed to be increased from 2.7 to 15.39MTPA all the safety aspects including height and angle of slopes of OB dumps should be factored in the study.
3 0.	PP shall ensure compliance of MoEFCC O.M. dated 14.01.2025 regarding streamlining the implementation of GSR 702 and GSR 703 dated 12.11.2024
3 1.	PP need to assess impact on nearby villages, traffic, and state highway due to mining operations including blasting and transportation. Necessary consultation/ permissions from DGMS may be taken in this regard. PP needs to take mitigation measures including dust suppression, traffic management, noise reduction, and health safeguards based on public hearing/ stakeholder consultations.
3 2.	PP is required to conduct a cumulative impact assessment including the adjacent mines. This assessment should encompass key factors, including water requirements, air, water, noise pollution levels, power consumption, transportation logistics, waste management practices, and the combined emissions load from projects effects on flora & fauna, etc. EMP should be prepared accordingly.
3 3.	Since the volume of OB dumps is increasing manifold, catchment area treatment plan can be prepared in consultation with reputed institute. Planning should be such that there are no chances of silt flow outside the ML area. Catch drains, Siltation ponds, retaining walls, gabions structures, check dams, etc. shall be planned accordingly and submitted with locations, drawing/ layouts.

3 4.	PP should plan and submit pollution control measures at Railway Sidings as per CPCB guidelines including permanent water sprinkling system, greenbelt development, metal windscreens, etc.
3 5.	PP needs to submit an action plan as per OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign “EK Ped Ma ke Naam” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal ( <a href="https://merilife.nic.in">https://merilife.nic.in</a> ).

### 3.1.6.2. Standard

1( a)	<b>Mining of minerals</b>
null	
1.	Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994
2.	A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given
3.	All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee
4.	All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the areashould be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone)
5.	Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics
6.	Details about the land proposed for mining activities should be givenwith information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority
7.	It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the



	Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report
8.	Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided
9.	The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period
10.	Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given
11.	Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given
12.	A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees
13.	Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished
14.	Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated
15.	The vegetation in the RF / PF areas in the study area, with necessary details, should be given
16.	A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted
17.	Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished
18.	A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in

	the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost
1 9.	Proximity to Areas declared as Critically Polluted or the Project areas likely to come under the Aravali Range, (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered
2 0.	Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority)
2 1.	R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report
2 2.	One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site- specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given
2 3.	Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map
2 4.	The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated
2 5.	Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided
2 6.	Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided
2 7.	Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided
2 8.	Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect



	groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished
2 9.	Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out
3 0.	Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same
3 1.	A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution
3 2.	Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines
3 3.	Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report
3 4.	Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report
3 5.	Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed
3 6.	Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations
3 7.	Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation
3 8.	Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project
3 9.	Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project

4 0.	Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given
4 1.	The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out
4 2.	A Disaster management Plan shall be prepared and included in the EIA/EMP Report
4 3.	Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc
4 4.	Besides the above, the below mentioned general points are also to be followed:- a) All documents to be properly referenced with index and continuous page numbering. b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated. c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project. d) Where the documents provided are in a language other than English, an English translation should be provided. e) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted. f) While preparing the EIA report, 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 be followed. g) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation. h) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable. i) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area

### 3.2. Agenda Item No 2:

#### 3.2.1. Details of the proposal

<b>Amendment in Environmental Clearance for Extension of the time period for establishment of New crusher of 1200 TPH Capacity alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh. by SAGAR CEMENTS LIMITED located at ANANTAPUR, ANDHRA PRADESH</b>			
<b>Proposal For</b>		<b>Amendment in EC</b>	
<b>Proposal No</b>	<b>File No</b>	<b>Submission Date</b>	<b>Activity Sub-Activity (Schedule Item)</b>
<a href="#">IA/AP/MIN/561962/2025</a>	IA-J-11015/231/2012-IA.II(NCM)	16/12/2025	Mining of minerals Non-Coal Mining (Major Minerals)- Opencast (1(a))

### 3.2.2. Project Salient Features

The proposal is for the Amendment in Environmental Clearance dated 17.08.2022 and 24.03.2023 for establishment of New crusher of 1200 TPH Capacity alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh.

PP had obtained initial EC dated 17.08.2022 for mining of Limestone in Gudipadu Limestone mine for expansion of production capacity of Limestone from 1.0 MTPA to 4.70 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) along with existing crusher of 350 TPH capacity and proposed crusher of 1200 TPH capacity in the mine lease area of 454.59 ha, located at Village Gudipadu, Mandal Yadiki, District Ananthapuramu, Andhra Pradesh. In the said EC, vide condition (iii) following was stated:-

“Specific condition (iii) Limestone production from 1.0 MTPA to 4.7 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.0 MTPA”

On 24.03.2023, PP obtained an amendment in the existing EC dated 17.08.2022. Vide aforesaid amendment, PP was allocated a time period of 3years to construct and commission the new crusher of 1200 TPH capacity along with conveyor for transporting 4.70 MTPA of limestone. Vide specific condition (iii) of the EC amendment letter dated 24.03.2023, following was stipulated: -

“Specific condition (iii) The New crusher 1200 TPH Capacity alongwith the conveyor for transporting 4.70 of Limestone should be commissioned within 3 years i.e., January 2026”

Further vide specific condition (ii) following was stipulated: -

“Specific condition (ii) The expansion of Limestone production from 1.5 MTPA to 4.70 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.5 MTPA. New crusher and conveyor will be tested for 1.5 MTPA first and then the mine shall commission for 4.70 MTPA. The commission of new crusher of 1200 TPH capacity along with the conveyor shall be intimated to the Ministry's Integrated Regional Office. Accordingly, SPCB shall not grant Consent to Operate (CTO)

for the expansion capacity of 4.70 MTPA production”

PP has now applied for amendment in EC of Gudipadu Limestone mine stating that due to market glut and low cement demand, the 2.0 MTPA clinker production (Unit-II) expansion could not be taken up. PP has submitted that Additional limestone needs and installation of a new 1200 TPH crusher with Over Land Belt Conveyor (OLBC) will be synchronized with the commissioning of Unit-II of the cement plant. The Unit-II of Cement plant will proceed based on market conditions and financial viability, Post Phase-II, total limestone requirement will rise to 4.70 MTPA; the existing crusher and conveyor cannot handle this. Accordingly, PP has now requested for extension of the time period for establishment of New crusher 1200 TPH Capacity alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032

2. The details of the project submitted by the Project Proponent are given under:

**i. Project details:**

Name of the Proposal	Amendment in Environmental Clearance for extension of the time period for operating the existing crusher of 350TPH capacity and conveyor at 1.5 MTPA, until the validity of the Cement Plant upto 30.10.2032 of Gudipadu Limestone Mine of Sagar Cements Limited for Expansion of Gudipadu Limestone Mine in the ML area of 454.59ha for increase of Limestone production from 1.00 to 4.70MTPA with Total Excavation of 4.85MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) – For Amendment in EC reg.	
Location	Village	Gudipadu
	Tehsil/Taluka	Yadiki Mandal
	District	Ananthapuramu
	State / UT	Andhra Pradesh

	Latitudes	15°04'51.55"N to 15°07'28.07"N
	Longitudes	77°57'55.91"E to 78°00'16.56"E
	Sol Topo sheet No.	57 E/16 & 57 I/4
Company's Name	Sagar Cements Limited	
Accredited Consultant and certificate no. and Validity	B.S. Envi – Tech Pvt. Ltd., (Quality Council of India, NABET Accredited) NABET Accreditation No: NABET/EIA/2326/RA0302 (Rev. 01), valid up to 13.05.2026 Secunderabad – 500 017	
KML file	KML File presented in the meeting (available in Parivesh)	
Seismic zone	Seismic zone – II	

**ii. Category details:**

Category of the project	'A' (Non-Coal Mining (Major Minerals)- Open cast)
Schedule No.	1(a) – Mining of Minerals
Mining lease Area (MLA) (in ha.)	454.59 Ha.
General Conditions (if any)	None

**iii. ToR Details:**



Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
04.04.2020	Proposal No: IA/AP/MIN/150902/2020  File No : J-11015/231/2012-IA II (M)	16 <sup>th</sup> EAC meeting dated 28-05-2020	TOR Granted vide File No. J-11015/231/2012-IA II (M)	12.06.2020

**EC Details:**

Date of application	Proposal No/ File No	Consideration by EAC	Details of EC	Date of accord
04.05.2022	Proposal No: IA/AP/MIN/267825/2020  File No : J-11015/231/2012-IA-II (M)	51 <sup>st</sup> EAC meeting dated 30.06.2022	Proposal for Environmental Clearance - Expansion of the Gudipadu Limestone Mine, enhancing limestone production from 1.00 MTPA to 4.70 MTPA, with a total excavation capacity of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA)	17.08.2022
22.11.2022	Proposal No: IA/AP/MIN/267825/2020	7 <sup>th</sup> EAC meeting dated	Amendment in EC to utilize	24.03.2023

	File No : J-11015/23 1/2012.IA-II(M)	06.12.2022 & 9 <sup>th</sup> EAC me eting dated 18.01.2023	ze the existi ng 350 TPH crusher and conveyor fo r achieving 1.5 MTPA of limestone p roduction fr om the Gudi padu Limest one Mine to meet the re quirement o f 1.0 MTPA clinker prod uction (Uni t-I), until th e installatio n of the ne w crusher a nd OLBC	
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**iv. Details of Mine Lease in chronological manner:**

S.no	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of mining lease vide Lr. Memo. No. 338/ M.III(I)/2010-6 in favour of M/s BMM Cement Limited for their "captive p	26.05.2012	Limestone, Major Mineral	20 years	Government of Andhra Pradesh	454.590 Ha

	urpose” and s ubject to sub mission of Ap proved Minin g Plan, Conse nt for Establis hment from A PPCB, Prior E C from Gol un der S.O. 153 3, dated 14.0 9.2006.					
2	Grant of mini ng lease vide G.O.Ms.No.1 19 Industries & Commerce (M.III) Depart ment in favou r of M/s. BM M Cements Li mited	04.12.20 15	Limeston e, Major Mi neral	20 years	-do-	454.5 90 Ha
3	Proceedings o f the Asst. Dir ector of Mine s and Geolog y, Tadipatri vi de Ltr. No. 36 15/M1/200 7.- Execution of Mining Lea se deed in fav our of M/s. B MM Cements Limited	15.12.20 15	Limeston e, Major Mi neral	15.12.20 15 to 14. 12.2035	-do-	454.5 90 Ha
4	Order for Cha nge of name f rom M/s BM	09.04.20 21	Limeston e, Major Mi	15.12.20 15 to 14. 12.2035	-do-	454.5 90 Ha

	M Cements Limited to M/s Sagar Cements (R) Limited vide G.O.Ms. No.23 Industries and Commerce (Mines.II) Department.		neral			
5	Order for Change of name from M/s Sagar Cements (R) Limited to M/s Sagar Cements Limited vide G.O.Ms.No.60 Industries and Commerce (Mines.III) Department.	02.09.2022	Limestone, Major Mineral	15.12.2015 to 14.12.2035	-do-	454.590 Ha
6	Extension of Minelease for a period of 50 years obtained from Industries & Commerce (M.III) Department vide G.O.Ms No.31 in favour of M/s. Sagar Cements Limited.	12.03.2024	Limestone, Major Mineral	15.12.2015 to 14.12.2065	-do-	454.590 Ha

S. N	Details of grant of Mine Lease deed executi	Period of Grant	Name of the Miner	Mine lease are

o	on	From	To	al	a in Ha
1	Proceedings of the Asst. Director of Mines and Geology, Tadipatri vide Ltr. No. 3615/M1/2007. Dated 15.12.2015- Execution of Mining Lease deed In the name of M/s. BMM Cement Limited.	15.12.2015	14.12.2035	Limestone,	454.590 Ha
2	Proceedings of Asst. Director of Mines and Geology, Tadipatri in the name of M/s. Sagar Cements ( R ) Ltd. vide Ltr. No. 3615/M1/2007. Dated 30.04.2021	15.12.2015	14.12.2035	Limestone,	454.590 Ha
3.	Proceedings of Asst. Director of Mines and Geology, Tadipatri in the name of M/s. Sagar Cements Ltd, vide Ltr. No. 3615/M1/2007. Dated 27.09.2022	15.12.2015	14.12.2035	Limestone,	454.590 Ha
4	Memo of Director of Mines and Geology, Tadipatri in the name of M/s. Sagar Cements Ltd, vide Ltr. No. Memo No. 878/Dt]- ATP /2024, Dated:15.03.2024	15.12.2015	14.12.2065	Limestone,	454.590 Ha

**v. Land Use/Land Cover of the Mine Lease Area:**

Private land	401.63 Ha is private patta land owned by Sagar Cements Limited.
Government land	52.96 Ha is Govt. Waste land
Forest land	0
Total Mining lease area (MLA), ha	454.59 Ha.
Private land for crusher, workshop & other infrastructure outside the MLA	-

**vi. Mining plan details:**

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	RMP/LC/59479604/AP/VJA
	Date	20/12/2024
	Mineral & (Major/Minor)	Limestone, Major Mineral
	Mine Lease Area, Ha	454.59 Ha
	Validity	31-03.2030
<b>Mining Parameters</b>	<b>Quantitative Description</b>	
Method of Mining	Open Cast Mechanized mining adopting deep	



	hole drilling and blasting.
Drilling/Blasting	Drilling will be carried by Down the hole DTH (115 mm) diameter holes, conventional blasting
Geological Reserves	164302775.50 T
Mineable Reserves	127794438.00 T
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/Waste, MTPA)	Increase of Limestone Production from 1.00 to 4.70 million tonnes per annum (MTPA) Total Excavation 4.85 MTPA (Limestone: 4.7 MTPA + Top Soil: 0.15MTPA)
Life of mine	34 years @4.70 MTPA (Mining Lease period - 20 Years up to 14.12.2035)
Mine Bench Height & Bench Width	Bench Height: 9m Bench Width:9m
No. of Mine Benches	04 Benches
Existing Depth, m bgl	37m
Ultimate Depth of Mining, m bgl	37m
Ground Water Table, m bgl	60m
Details of ground water intersection	No  The water table will not be intersected during the mining operations.

Individual bench slope	60 °
Overall pit slope	45°
Details of existing/ proposed Crusher	present 350 TPH Proposed New crusher 1200 TPH
Mineral Beneficiation	None
RoM output size	-50 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	Through Tippers of 35 tonnes capacity up to crusher Limestone is crushed in the mine and is transported to Cement Plant by closed conveyor of 2.2km length
Generation of Topsoil/OB & its Management during plan period & conceptual period	No OB generated Top Soil for Plan Period: 1,27,644 Cu.mtrs Top Soil for lease Period: 30,20,000 Cu.mtrs
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	None

**vii. Water requirement:**

Total water requirement	100 KLD	Fresh water	100 KLD
		Treated water	-

Source	Existing Mine pit.
Permission for withdrawal/ intersection along with details of grant and its validity	Not Applicable

**viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest**

Particulars	Particular's Name	Distance & Directions
Village	Gudipadu Village	0.45 km – West side of the Mine Boundary.
Town	Tadipatri	18.73 km -S
Highway	National Highway (NH-67) Guntakal – Proddatur	7.15 km - S.
Interstate Boundary	None within 10km	-
Railway Station/Railway line	Juturu	15.95 km – SW
Water Bodies	Pedda Vanka	0.45 km – E
Forest	Owk RF	6.60 km - N

**ix. Presence of Environmentally Sensitive areas in the study area**

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
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Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	<p>Sagar Cements Limited has obtained the letter from the office of the District Forest Officer, Ananthapuramu vide Rc. No.2511/2020/TO, dated 20.01.2021 stating that</p> <ol style="list-style-type: none"> <li>1. There is no forest area inside the mining area. The distance from the mining area to the nearest RF i.e., Yadiki RF is 8.10 kms.</li> <li>2. There is no existence of any National Parks, Wildlife Sanctuaries and Sensitive areas within 10 kms of the leased area.</li> </ol>
National Park	No	The present proposal is for EC Amendment,
Wildlife Sanctuary	No	The present proposal is for EC Amendment,
Elephant/Tiger Reserve	No	The present proposal is for EC Amendment,
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	No	The present proposal is for EC Amendment,
Coastal Regulation Zone (CRZ)	No	The present proposal is for EC Amendment,
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	No	<p>The following Schedule-I fauna has been observed in the study area</p> <p>a. Indian Jackal (Canis aureus)</p>

		<p>b. Grey Mongoose (<i>Herpestes Edwardsii</i>)</p> <p>c. Indian Porcupine (<i>Hystrix indica</i>)</p> <p>d. Bonnet Macaque (<i>Macaca radiata</i>)</p> <p>e. Black Buck (<i>Antelope cervicapra</i>)</p> <p>f. Indian fox (<i>Vulpes bengalensis</i>)</p> <p>g. White-eyed Buzzard (<i>Butastur teesa</i>)</p> <p>h. Indian Peafowl (<i>Pavo cristatus</i>) etc.</p> <p>The Wildlife Conservation Plan has been prepared in accordance with the provisions of the Wildlife Conservation Plan (WLCP) Act, 2022. The plan has been duly approved by the Principal Chief Conservator of Forests (PCCF) vide Letter No. Rc. no.21024/21/2022/WL-2 dated 19.09.2024</p>
Wildlife Conservation Plan	No	The present proposal is for EC Amendment,

**x. Green belt/plantation details:**

Proposed area for green belt/plantation and no. of saplings proposed	<p>Proposed area for green belt : 28.41 Ha</p> <p>no. of saplings proposed: 44000</p>
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Budget for green plant & plantation till the end of life of mine.	Capital Cost: Rs.152.28 Lakhs Recurring Cost: Rs. 140.62Lakhs
Budget for nursery	-
Details of existing plantation and its survival rate	80%
No. of tree cuts in the mine lease area and compensatory afforestation	-
<b>Particulars for Green belt/plantation</b>	<b>Area covered (in Ha)</b>
7.5 m barrier & non-mineralized zone	14.30
50 m safety zone of nallah, roads, electric lines	19.46 ha - Safety barrier zone of 50m width on either of the seasonal stream 14.43 Ha - Safety barrier zone of 50m width on either of the road
500 m safety zones of nearest habitation villages	-
xi. <b>Baseline detail:</b>	
<b>Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)</b>	
Period of baseline data collection	Winter Season, 2019-2020 (Dec'19 To Feb'2020)



Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season, 2019-2020
Predominant Wind direction (From)	East
Ambient Air Quality (no. of locations) and results	<p>9 Ambient Air Quality</p> <p>Results:</p> <ol style="list-style-type: none"> <li>1. PM<sub>10</sub> ranges from 44.8 to 60.7 µg/m<sup>3</sup></li> <li>2. PM<sub>2.5</sub> ranges from 18.7 to 30.4 µg/m<sup>3</sup></li> <li>3. SO<sub>2</sub> ranges from 8.2 to 14.6 µg/m<sup>3</sup></li> <li>4. NO<sub>2</sub> ranges from 9.0 to 15.8 µg/m<sup>3</sup></li> </ol>
Noise level (no. of locations) and results	<p>9 Noise Level Monitoring stations</p> <p>Results:</p> <p>Day Time - 50.6 – 70.8 dB (A)</p> <p>Night Time - 41.8 – 62.5 dB (A)</p>
Water Quality (no. of locations) and results	<p>Ground Water: 8 locations</p> <p>Results:</p> <ul style="list-style-type: none"> <li>· pH : 6.62 – 7.79. Alkaline in nature.</li> <li>· Total dissolved solids :126 - 1120 mg/l.</li> <li>· Total hardness as CaCO<sub>3</sub> : 83 - 584 mg/l.</li> <li>· Chlorides concentration : 6.0 - 178 mg/l.</li> <li>· Fluoride concentration : &lt;0.1 - 1.15 mg/l.</li> <li>· Sulphates concentration : 5.7 - 95 mg/l.</li> </ul> <p>Surface water: 1 Location</p>

	<p>Results:</p> <ul style="list-style-type: none"> <li>· pH - 7.68</li> <li>· Boron as B: 0.11 mg/l</li> <li>· BOD@270 for 3 days: &lt;2 mg/l</li> <li>· Chemical Oxygen demand (COD): &lt;4 mg/l</li> <li>· Dissolved Oxygen (D.O): 6.2 mg/l</li> <li>· Sodium Absorption Ratio: 2.34 mg/l</li> <li>· Ammonical Nitrogen as N: &lt;0.50 mg/l</li> <li>· Total coliforms: 10CFU/100ml</li> </ul>
Soil Quality (no. of locations) and results	<p>9 Soil Quality locations</p> <p>Results:</p> <ul style="list-style-type: none"> <li>· pH Value of 1:2 aqueous extract Solution: 7.74-8.25</li> <li>· E.C, 1:2 aqueous extract Solution: 109-270 <math>\mu\text{S}/\text{cm}</math></li> <li>· Mineralized Nitrogen (Available Nitrogen): 28-394 kg/ha</li> <li>· Available Phosphorous as <math>\text{P}_2\text{O}_5</math>: 4-62 kg/Ha</li> <li>· Available Potassium as <math>\text{K}_2\text{O}</math>: 24-324 Kg/Ha</li> <li>· Available Sodium as <math>\text{Na}_2\text{O}</math>: 52-532 Kg/Ha</li> <li>· Organic Carbon: &lt;0.1-0.86 %</li> </ul>
Hydro geological study and results	<p>Study area of the project is categorized as "Safe" as per the Ground water Estimation Committee, 2015 norms. The water table will not be intersected during the mining operations.</p>
Traffic study (no. of locations) and results	<p>The limestone will be transported by tippers upto the crusher at Pit Head. Once the limestone is crushed, i</p>

It will be transported by closed belt conveyor.

**xii. Public Hearing (PH) Details:**

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	<p>Not Applicable,</p> <p>The present proposal is for EC Amendment,</p> <p><b>Earlier Public Hearing details:</b></p> <p>Public hearing advertisement for the expansion proposal was published on 07.12.2021 in "The Hans India" (English News Paper) and "Eenadu" (Telugu News Paper).</p>
Date of PH	07.01.2022 by APPCB
Venue	Near Cement plant Gudipadu Village, Yadiki Mandal, Anantapur District, Andhra Pradesh
Chaired by	Smt. B Gayatri Devi., District Revenue Officer & Addl. District Magistrate, Ananthapuramu District, A.P.
Main issues raised during PH	<ul style="list-style-type: none"> <li>· Preference to be given for locals for Employment</li> <li>· To implement latest technology in controlling of Noise &amp; ambient air quality for the proposed expansion project</li> <li>· Welfare activities had slowed down in recent times due to covid-19 pandemic. He hoped that welfare activities will increase further in future and requested the authorities to sanction permission for the proposed expansion project.</li> <li>· To adopt the villages within 10 Km radius from the industry and to implement the developmental activities</li> <li>· To provide Sewing Centre</li> <li>· To provide water line along with tap connection facility to Kundanakota village and requested the authorities to sanction permission for the expansion of the mine.</li> <li>· To extend help in providing cell tower in the village so that it would facilitate the Students to attend the online class</li> </ul>

	asses without any interruption.
Budget proposed for addressing issues raised during PH over 3 years	Sagar Cements Limited has allotted Rs. 72.22 Lakhs under mines + Rs 403 Lakhs under Cement Plant towards the Public Hearing demands and need based activities.

**xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:**

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	APPCB vide Order No. 145/APPCB/CFE/RO-ATP/HO/2014 dated 17/11/2022, valid upto 16.11.2029
Consent to Operate	APPCB vide Order No 1307195/APPCB/KNL/ATP/CTO/HO/2022 dated 30.11.2022, valid upto 31.01.2026
Certified Compliance Report and Inspection date	E.P./12.1/2014-15/17/AP /678 dated 26.08.2020 from MOEFCC Chennai The proposal is for EC amendment
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Certified Production Details from 2015-2025 is submitted (as stated by PP)

**xiv. Rehabilitation & Resettlement (R&R):**

R & R details	Not Applicable (as stated by PP)
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**xv. Court case details:**

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted an undertaking dated 27.12.2025 w.r.t court case

**xvi. Affidavit/Undertaking details:**

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted an Affidavit dated 27.12.2025
Undertaking by Project Proponent in EIA/EMP report	Submitted in the EIA/EMP Report
Undertaking by Consultant in EIA/EMP report	Submitted in the EIA/EMP Report
Plagiarism Certificate	Submitted in the EIA/EMP Report

**xvii. EDS/ADS details (If any): None**

**xviii. Details of the Environmental Management Plan (EMP):**

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Dust Suppression Measures	0.3	0.3
Environmental Monitoring	0.5	0.75



Greenbelt development	1.5228	1.4062
Occupational Health Check up	0	1.74
Rainwater Harvesting Structures & Garland Drain	0.25	0.15
<b>Total (Crores)</b>	<b>2.5728</b>	<b>4.3462</b>

**xix. Details of project cost and employment:**

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Capital Cost of EMP: 2.5728 Capital cost of Public hearing: Rs. 0.7222 Crores
Project Cost	10.0
Employment (No.s)	56

**3.2.3. Deliberations by the committee in previous meetings**

N/A

**3.2.4. Deliberations by the EAC in current meetings**

The proposal is for the Amendment in Environmental Clearance dated 17.08.2022 and 24.03.2023 for establishment of New crusher of 1200 TPH Capacity alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh.

PP had obtained initial EC dated 17.08.2022 for mining of Limestone in Gudipadu Limestone mine for expansion of production capacity of Limestone from 1.0 MTPA to 4.70 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) along with existing crusher of 350 TPH capacity and proposed crusher of 1200 TPH capacity in the mine lease area of 454.59 ha, located at Village Gudipadu, Mandal Yadiki, District Ananthapuramu, Andhra Pradesh. In the said EC, vide condition (iii) following was stated:-

"Specific condition (iii) Limestone production from 1.0 MTPA to 4.7 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.0 MTPA"

On 24.03.2023, PP obtained an amendment in the existing EC dated 17.08.2022. Vide aforesaid amendment, PP was allocated a time period of 3 years to construct and commission the new crusher of 1200 TPH capacity along with conveyor for transporting 4.70 MTPA of limestone. Vide specific condition (iii) of the EC amendment letter dated 24.03.2023, following was stipulated: -

"Specific condition (iii) The New crusher 1200 TPH Capacity alongwith the conveyor for transporting 4.70 of Limestone should be commissioned within 3 years i.e., January 2026"

Further vide specific condition (ii) following was stipulated: -

"Specific condition (ii) *The expansion of Limestone production from 1.5 MTPA to 4.70 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.5 MTPA. New crusher and conveyor will be tested for 1.5 MTPA first and then the mine shall commission for 4.70 MTPA. The commission of new crusher of 1200 TPH capacity along with the conveyor shall be intimated to the Ministry's Integrated Regional Office. Accordingly, SPCB shall not grant Consent to Operate (CTO) for the expansion capacity of 4.70 MTPA production*"

PP has now applied for amendment in EC of Gudipadu Limestone mine stating that due to market glut and low cement demand, the 2.0 MTPA clinker production (Unit-II) expansion could not be taken up. PP has submitted that Additional limestone needs and installation of a new 1200 TPH crusher with Over Land Belt Conveyor (OLBC) will be synchronized with

commissioning of Unit-II of the cement plant. The Unit-II will proceed based on market conditions and financial viability Post Phase-II, total limestone requirement will rise to 4.70 MTPA; the existing crusher and conveyor cannot handle this. Accordingly, PP has now requested for extension of the time period for establishment of New crusher 1200 TPH Capacity along with the conveyor until the validity of the Cement Plant upto 30.10.2032

EAC noted that at present, PP is operating the mine with a production capacity of 1 MTPA limestone and using the existing crusher of 350TPH having an operation hour of 9.5 hrs and conveyor system of 2.2 km to transport the mined-out limestone to Unit-I of the existing Cement Plant through closed conveyor system. PP submitted that they will undertake mining at the rate of 1.5 MTPA limestone and operate the crusher and conveyor for 14 hrs to transport the crushed limestone to Unit-I.

PP also submitted that they had earlier obtained expansion EC for cement plant for construction of Unit -III with 3 MTPA clinker production on 31.03.2022. The details of limestone requirement submitted by PP for both Unit-I and Unit-II is given as under: -

Cement Plant.	Clinker production (MTPA)	Limestone Requirement (MTPA)
Unit -I	0.75 to 1.00	1.00 to 1.50
Unit-II (New)	2.00	3.20
Total	0.75 to 3.00	4.70

EAC noted the submission of PP and enquired about the present production capacity as per the current approved mining plan and its validity. PP stated that the current mining plan was approved by IBM on 20.12.2024 with a maximum production capacity of 1499997.50 TPA and the mining plan is valid till 31.03.2030.

EAC reviewed the submission of PP and was of the opinion the PP may be allowed to undertake production of limestone at the rate of 1499997.50 TPA along with the existing crusher of 350 TPH and covered conveyor of 2.2 Km to transport the limestone to Unit-I of the Cement plant upto 31.03.2030 since the Mining Plan is valid with 1499997.50 TPA production and is valid upto 2030. EAC also stated that PP must complete the construction & commissioning of Unit-II and conveyor by 31.03.2030.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in 57<sup>th</sup> EAC meeting held on 31<sup>st</sup> December, 2025 under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal for grant of Amendment in Environmental Clearance dated 17.08.2022 and 24.03.2023 for establishment of New crusher of 1200 TPH Capacity along with the conveyor by 31.03.2030, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh subject to following specific conditions in addition to the standard EC conditions applicable to non-coal mining projects:-

### 3.2.5. Recommendation of EAC

Recommended

### 3.2.6. Details of Environment Conditions

#### 3.2.6.1. Specific

Specific Conditions	
1.	PP is allowed to mine maximum 1499997.50 TPA limestone till 31.03.2030 as per the approved mining plan dated 20.12.2024. After installing the new crusher of 1200 TPH and conveyor by 31.03.2030 only, PP can enhance the limestone production capacity upto 4.70 MTPA. PP should get the mining plan revised again to enhance the production beyond 1499997.50 TPA limestone. PP should inform Regional office/ Sub-Regional office (SRO) of MoEFCC about the installation of Conveyor belt.
2.	New crusher of 1200 TPH capacity in ML area along with the conveyor for transporting Limestone upto Unit-II of the Cement Plant should be commissioned by 31.03.2030.
3.	PP shall ensure stringent dust-control measures, water spraying/ fogging systems at conveyor belt, transfer points, etc. and installation of conveyor monitoring systems. PP shall ensure the safety of the conveyor belt and shall maintain it periodically time to time to prevent any accidents.
4.	PP shall not discharge any untreated surface/mine pit water outside the ML area.
5.	The Project Proponent shall continue to monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village, at crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.

6.	The Project Proponent should install three Continuous Ambient Air Quality Monitoring Stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
7.	The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. 3 sides of crusher should be covered with Noise barrier sheets. Permanent water sprinklers/ fogging/misting arrangement needs to be installed at 3 sides of crushers for dust suppression and near the unloading platform of limestone.
8.	The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years. PP needs to install solar power plant at the earliest to reduce dependency on conventional power supply from state.
9.	The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to RO, MoEF&CC.
10.	The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office. Density of plantation should be 2500 plants/ha). PP shall make provision for drip irrigation to conserve the water. PP should plant fruit bearing trees along with other native and allied species within the ML area.
11.	The Project Proponent shall provide the rainwater harvesting structure at mine offices and quarters/colonies to recharge the ground water. PP shall explore the construction of water reservoirs in the ML area to lessen dependency on surface and groundwater.
12.	PP needs to construct sedimentation ponds, check dam, gabion structures, retaining wall, garland drain etc to safeguard the natural Streams/Nallahs flowing in and around the Lease area and to prevent any silt flow outside the project.
13.	The Project Proponent should periodically monitor and maintain the health records of the mine workers prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance shall be carried through regular occupational health check-up every year for mine workers as per DGMS guidelines. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
14.	The mobile water tankers should be used in the ML area for dust suppression and control in addition to permanent fixed type water sprinkler along the haul roads. A logbook of water tankers should be maintained mentioning running hours, kilometre reading, and maintenance hours of water tankers for each shift. PP shall use non-toxic chemicals for dust suppression in order to reduce the total water requirement.
15.	The mining lease holders shall, after ceasing mining operations, undertake regrassing the



5.	mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.
1 6.	PP needs to comply the OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign " EK Ped Ma keNaam" (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal( <a href="https://merilife.nic.in">https://merilife.nic.in</a> ).
1 7.	PP should utilise the Oil & Grease Trap for washing of trucks,/vehicles/ HEMM operational in their mine project. Used oil and drums should be disposed through authorised recyclers as per rules. Copy of logbook of Oil withdrawn from Oil & Grease Trap and disposed to the authorised dealer should be submitted to the Regional Office of the Ministry.
1 8.	PP shall ensure that all type of plastic waste generated from the mines shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016. In pursuant to Ministry's OM dated 18/07/2022 PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall be submitted to Ministry's Regional Office.
1 9.	All other terms and conditions mentioned in the EC letter dated 17.08.2022 shall remain unchanged.

### 3.2.6.2. Standard

1( a)	<b>Mining of minerals</b>
<b>Statutory compliance</b>	
1.	This Environmental Clearance (EC) is subject to orders/ judgment of Honble Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
<b>Statutory compliance</b>	
1.	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
2.	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India &Ors before commencing the mining operations.
3.	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court

	dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
4.	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area."
5.	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
6.	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
7.	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change ( <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
1.	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
2.	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
<b>Air quality monitoring and preservation</b>	
1.	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.
2.	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009

	covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
<b>Water quality monitoring and preservation</b>	
1.	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
2.	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
3.	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
<b>Water quality monitoring and preservation</b>	
1.	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
2.	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
3.	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
4.	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central

	Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
<b>Noise and vibration monitoring and prevention</b>	
1.	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
<b>Noise and vibration monitoring and prevention</b>	
1.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
2.	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.
<b>Mining plan</b>	
1.	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.
<b>Mining plan</b>	
1.	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working ( method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).
<b>Land reclamation</b>	
1.	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.
2.	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass.



	In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
<b>Land reclamation</b>	
1.	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
2.	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
<b>Transportation</b>	
1.	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.
<b>Transportation</b>	
1.	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].
<b>Green Belt</b>	
1.	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
<b>Public hearing and human health issues</b>	



1.	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
<b>Corporate Environment Responsibility</b>	
1.	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.
<b>Miscellaneous</b>	
1.	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
2.	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
3.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
4.	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
<b>Miscellaneous</b>	
1.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.
<b>Miscellaneous</b>	
1.	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.
2.	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
3.	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.

4.	In pursuant to Ministrys O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Honble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
5.	Any appeal against this environmental clearance 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.

#### 4. Any Other Item(s)

N/A
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#### 5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Dr Dinesh Misra	IFS (Retired)	dmi*****@gmail.com	
2	Sh Niranjan Kumar Vasu	Member (EAC)	vas*****@gmail.com	
3	Dr Asha Rajvanshi	Member (EAC)	ash*****@gmail.com	
4	Shri Avijit Gosh	Member (EAC)	avi*****@gmail.com	
5	Shri Bandi Ramchandra Reddy	Member (EAC)	red*****@gmail.com	
6	Prof Pramod Kumar	Member (EAC)	nit*****@yahoo.com	
7	Prof Devesh Walia	Member (EAC)	dev*****@gmail.com	
8	Dr Suresh Tiwari	Member (EAC)	smb*****@gmail.com	
9	Dr K G Asha Manjari	Member (EAC)	kim*****@gmail.com	
10	Prof Dev Dutt Sharma	Member (EAC)	dds***@gmail.com	
11	Mr V K Soni Representative of IMD	Member (EAC)	vij*****@imd.gov.in	
12	Dr Y G Kale Representative of IBM	Member (EAC)	ygk***@ibm.gov.in	
13	Rajeev Ranjan	Scientist E	ran*****@nic.in	
14	Shri Saifulla Ansari	Member (EAC)	dir*****@gmail.com	

**GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(IMPACT ASSESSMENT DIVISION)  
NON-COAL MINING SECTOR**

\*\*\*

**MINUTES OF 57<sup>th</sup> MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006 HELD ON 31<sup>st</sup> DECEMBER 2025**

**Deliberation & Circulation of Earlier Minutes**

- (1.0) **Deliberation & Circulation on the Minutes of 56<sup>th</sup> EAC (Non-Coal Mining) Meeting held during 22<sup>nd</sup> December 2025.**
- (2.0) **Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 MTPA of Limestone in the mine lease area of 251.9 ha, located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat - For Amendment in Environmental Clearance - reg.**

**[Online Proposal No. IA/GJ/MIN/474873/2025; File No. J-11015/121/2007-IA.II (M), EIA Consultant - M/s J. M. Environet Pvt. Ltd.]**

The instant proposal is for amendment in Environment Clearance vide letter dated 30<sup>th</sup> July, 2020 Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12MTPA of Limestone in the mine lease area of 251.9 ha, located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat. The amendment in EC w.r.t reduction of Mining lease area from 251.9 ha to 238.0807 ha.

The proposal was appraised and recommended for grant of amendment in EC vide minutes of the 48<sup>th</sup> EAC Meeting of the Expert Appraisal Committee (Non-Coal Mining sector) held on 7-8<sup>th</sup> August, 2025. However, the reduction in Mining lease area from 251.9 ha to 238.0807 ha was not reflected in the recommendation paragraph. Accordingly, following corrigendum has been recommended by the EAC in the minutes of the 48<sup>th</sup> EAC meeting held on 7-8<sup>th</sup> August, 2025: -

<b>Location in MoM</b>	<b>As per 48<sup>th</sup> EAC Minutes of Meeting</b>	<b>Corrigendum in MoM of 48<sup>th</sup> EAC Meeting</b>
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Para 3.2.4, sub-para 8, Page no. 226 of 477	Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in 48th EAC meeting held during 7-8th August, 2025 under the provisions of the EIA Notification, 2006 and its subsequent amendments, recommended the proposal for grant of amendment in Environmental Clearance of Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 MTPA of Limestone in the mine lease area of 251.9 ha, located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat subject to following specific conditions in addition to the standard EC conditions applicable to non-coal mining projects:-	Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in 48th EAC meeting held during 7-8th August, 2025 under the provisions of the EIA Notification, 2006 and its subsequent amendments, recommended the proposal for grant of amendment in <b><i>Environmental Clearance for reduction of mine lease area from 251.9 ha to 238.0807 Ha for Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 MTPA of Limestone</i></b> located at Village Mudhvay, Taluka Lakhpat, District Kutch, Gujarat subject to following specific conditions in addition to the standard EC conditions applicable to non-coal mining projects:-“
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**Day 1: 31<sup>st</sup> December, 2025 (Wednesday)**

**1.1 Bailadila Iron Ore Mines, Deposit-11 Project of M/s. NMDC Limited for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh – For Term of Reference (ToR) reg.**

**[Proposal No.: IA/CG/MIN/559993/2025, File No. IA-J-11015/70/2018-IA-II(NCM)]**

The proposal is for Term of Reference(ToR) for Bailadila Iron Ore Mines, Deposit-11 Project of M/s. NMDC Limited for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA)

in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh

2. The details of the project submitted by the Project Proponent are given under:

**i. Project details:**

Name of the Proposal	Bailadila Iron Ore Mines, Deposit-11 Project of M/s. NMDC Limited for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh.	
Location	Village	Kirandul
	Tehsil/Taluka	South Bastar
	District	Dantewada
	State / UT	Chhattisgarh
	Latitudes	18°37'34.6066" to 18°41'26.1792" N
	Longitudes	81°13'13.2276" to 81°15'18.0396" E
	Sol Topo sheet No.	E44J2/J6
Company's Name	NMDC Limited	
Accredited Consultant and certificate no. and Validity	Proposal is for obtaining of TOR. Hence, EIA consultant has not been appointed for TOR.	
KML file	Submitted	
Seismic zone	II	

**ii. Category details:**

Category of the project	A
Schedule No.	EIA Notification 2006
Mining lease Area (in ha.)	874.924 Ha
General Conditions (if any)	Not Applicable

**iii. Details of Mine Lease in chronological manner:**

S.No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		



1	Initial Grant (30 years)	11.09.1967	10.09.1997	Hematite	1809.23
2	1 <sup>st</sup> year renewal (20 years)	11.09.1997	10.09.2017	Hematite	874.924
3	1 <sup>st</sup> Lease extension (20 years)	11.09.2017	10.09.2037	Hematite	874.924

**iv. Land Use/Land Cover of the Mine Lease Area:**

Private land	Nil
Government land	Nil
Forest land	874.924
Total Mining lease area (MLA), ha	874.924
Private land for crusher, workshop & other infrastructure outside the MLA.	<ul style="list-style-type: none"> <li>NMDC has acquired 54.854 ha revenue land outside ML area for Loading plant at Kirandul. NMDC has also acquired revenue land outside ML area measuring 245 Ha out of which an area of 120.10Ha has been utilized for Tailing dam at Kadampal. NMDC has also acquired lands at Bacheli for infrastructural facilities.</li> <li>The screening plants are located inside the Mining Lease area of Deposit-14 NMZ. These facilities are common to the Mining lease of Deposit-14 and 11B and Deposit-11C part of Deposit-11 ML. The RoM iron ore of Deposit-11A is processed in the infrastructure facilities created at Bacheli.</li> </ul>
Additional information (if any)	<p>Existing: 3000 TPH Gyratory crusher is located inside lease area.</p> <p>Proposed: 3.00 MTPA capacity In Pit Crushing &amp; Conveying system (IPCC) at Deposit-11A.</p>

**v. Mining plan details:**

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	RPR/DANTEWADA/IRON/1456/RMP/2024-25
	Date	26/03/2025
	Mineral & (Major/Minor)	Major
	Mine Lease Area, Ha	874.924 Ha
	Validity	FY 2025-26 to FY 2029-2030
Additional information (if	---	

any)	
<b>Mining Parameters</b>	<b>Quantitative Description</b>
Method of Mining	Fully Mechanized open cast Method
Drilling/Blasting	<b>Drilling</b> <ul style="list-style-type: none"> <li>• Primary Drilling: by 250 mm dia. and 150 mm dia. blast hole drills.</li> <li>• Wet drilling adopted due to which dust generation is eliminated at source.</li> <li>• Secondary drilling: for toes and ledges</li> </ul> <b>Blasting</b> <ul style="list-style-type: none"> <li>• Primary Blasting: using Site Mix Emulsion Explosives (SME) in conjunction with cast boosters and Nonel (Non-Electric delay detonators).</li> <li>• Secondary blasting: by cartridge explosives of 83mm diameter. Blast holes are drilled in staggered / rectangular pattern for primary drilling.</li> <li>• Carried out only in day time and is avoided during high windy periods.</li> </ul>
Geological Reserves	558.84 Million Tons (MT) as on 1/1/2025.
Mineable Reserves	351.32 MT (as on 01.01.2025)
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	RoM Iron Ore excavation: 11.30 to 14.50 MTPA Waste excavation: 2.70 to 15.39 MTPA Total Excavation 14.00 to 29.89 MTPA
Life of mine	25 years
Mine Bench Height & Bench Width	12 m height & 20m - 30m
No. of Mine Benches	Pit 11A-08 nos; Pit 11B-10 nos.; Pit 11C - 14 nos
Existing Depth, m bgl	11A- 96 m (1224 MRL to 1128MRL) 11B- 120 m (1260MRL to 1140MRL) 11C - 168 m (1186 MRL to 1018 MRL)
Ultimate Depth of Mining, m bgl	Pit-11A-984 MRL Pit 11B-984 MRL Pit 11C-922 MRL
Ground Water Table, m bgl	730 mRL
Details of ground water intersection	No intersection of GW table occurs
Individual bench slope	70°-80°
Overall pit slope	<=45°
Details of existing/ proposed Crusher	Existing: 3000 TPH Gyratory crusher in located inside lease area. Proposed: 3.00 MTPA capacity In Pit Crushing & Conveying system (IPCC) at Deposit-11A.
Mineral Beneficiation	No
RoM output size	150mm from gyratory crusher and size less than 20 mm from proposed IPCC.

Transportation details including capacity of dumper/tipper, mode of transport and distance	The iron ore is transported to various customers through (i) KK railway line (ii) conveyor system to AMNS beneficiation plant at Kirandul and (iii) marginal quantity through SH/NH road.
Generation of Topsoil/OB & its Management during plan period & conceptual period	It is an existing mine with rock exposures & laterite capping top soil is not available.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	Waste will be dumped to the designated waste dumps duly approved by Indian Bureau of Mines.
Additional information (if any)	<ul style="list-style-type: none"> <li>• The blasted ore is transported from mining benches by using 100 tones capacity dumpers to Crushing Plant.</li> <li>• The crushed iron ore is transported through closed down hill conveyor system from crushing plant to screening plant.</li> <li>• The final products from screening plant(s) to Loading plant is also transported through covered conveyor system.</li> </ul> <p><b>Deposit-11A</b></p> <ul style="list-style-type: none"> <li>• Presently, ROM Iron Ore of Deposit-11A is fed to crushing plant of Deposit-10 (adjacent ML of NMDC) for crushing along with Deposit-10 ROM Iron ore and processed in existing Screening Plant located at Bacheli and stacked at loading plant for despatch of ore by rail &amp; road.</li> <li>• Under capacity expansion proposal, It is proposed to install 3 MTPA IPCC at Deposit-11A. The out-put size of iron ore shall be less than 20mm and is transported through new downhill conveyor to new screening and new loading plant proposed to be developed at Bacheli (Outside the lease). A provision shall be made to divert the products to existing loading plant at Bacheli. The final products shall be 10 to 20mm size and less than 10 mm size.</li> </ul> <p><b>Deposit-11B</b></p> <ul style="list-style-type: none"> <li>• Presently, ROM Iron Ore of Deposit-11B is fed to existing 3,000 TPH Gyratory crushing plant located inside lease area for crushing. The crushed iron ore is fed to Screening Plant-I and II located in Deposit-14 NMZ ML (adjacent ML of NMDC) for sizing of iron ore along with ore of Deposit-14 and 11C. The new SP-III has also commissioned which will cater the screening requirements of all Mines such as 14mine, 11C mine and 11B mine of Kirandul complex. The same shall be continued even after capacity expansion. No changes proposed.</li> </ul>

	<p><b>Deposit-11C</b></p> <ul style="list-style-type: none"> <li>• Presently, ROM Iron Ore of Deposit-11C is fed to existing 2,300 TPH Gyratory crushing plant located at Deposit-14 NMZ ML (adjacent ML of NMDC) for crushing the ore along with Dep-14 NMZ (11C) Ore. The crushed iron ore is fed to Screening Plant-I and II located in Deposit-14 NMZ ML for sizing of iron ore along with ore of Deposit-14 &amp; 11C. A new SP-III (out side lease) has also been commissioned which is catering the requirement of all mines of Kirandul Complex.</li> <li>➤ The sized iron ore of SP-I, II and III is transported to Loading plant at Kirandul (mechanical, MV siding manual, MV siding RWLS and Route 15).</li> <li>➤ The same shall be continued even after capacity expansion.</li> </ul>
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**vi. Water requirement:**

Total water requirement	Existing: 1500 m <sup>3</sup> /day & Expansion: 450 m <sup>3</sup> /day. Total: 1950 m <sup>3</sup> /day.	Fresh water	1900 m <sup>3</sup> /day
		Treated water	50 m <sup>3</sup> /day-rain water harvesting
Source	Existing water sources Malinger nalla, Kirandul nalla, Galli nalla etc		
Permission for withdrawal/ intersection along with details of grant and its validity	Water Resource Dept, Govt. of Chhattisgarh vide letter dated 20/2/2023 accorded permission to withdraw 6.735 cu.m / annum from the surface water source of Malangir bandh, Kurup bandh, Intek well bandh, Nalla no.25.		
Additional information (if any)	---		

**vii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest**

Particulars	Particular's Name	Distance & Directions
Village	Kadampal	6 Km, E
	Padhapur	3.3Km, NE
	Kirandul TS	3.9 Km, SE
	Kodenar	2.6 Km, SE
	Pina Bacheli	6.3 Km, NE
	Bainpal	3.6 Km, E
Highway	SH-5	1.5 Km, E
	NH-63	35 Km, N
Interstate Boundary		Not Applicable

		Telangana:
Railway Station/Railway line	Kirandul	0.6 Km, SE
Water Bodies	Koyar nadi	4.6 Km, NE
	Malinger nadi	4.5 Km, SSE
	Madadi nadi	2.9 Km, E
	Sankini nadi	5.5 Km, NE
	Galli nalla	1.1 Km, W
Forest	Bailadila RF	Within and Adjacent

viii. **Presence of Environmentally Sensitive areas in the study area**

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	Yes 874.924 Ha (Entire land)	Forest Clearance for diversion of 874.924 Ha Forest land was obtained from MOEFCC vide letter no.8-98/97-FC dated 22/12/1999 and the same has been extended upto 10/09/2037 by CG State Forest Dept, Govt. of Chhattisgarh, Mantralaya, Nava Raipur letter no. 5-34/1997/10-2 dated 31/03/2020.
National Park	No	-
Wildlife Sanctuary	No	-
Elephant/Tiger Reserve	No	-
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	-
Coastal Regulation Zone (CRZ)	No	-
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	There are 22 Schedule-I species reported as per Wild Life (Protection) Amendment Act 2022 in the study area. <b>Mammals:</b> Sloth Bear, Leopard, Jungle Cat, Jackel, Sambar, Bengal Fox, Grey Mongoose, Indian Pangolin, Indian Porcupine, Giant flying Squirrel <b>Reptiles:</b> Bengal Monitor, Python, Dharman or Indian Rat snake, cobra, Russels Vipor, Checkered Keelback.



		<p><b>Birds:</b> Bustar Hill Myna, Common peafowl, euracian eagle owl, brown fish owl, common barn owl, cotton pygmy goose.</p> <p>A site-specific conservation plan has been prepared and submitted to DFO, Dantewada on 4/2/2021 for an amount of ₹10.25 crores.</p>
Wildlife Conservation Plan		<p>Site Specific Wildlife Conservation Plan as per Wildlife (Protection) Act, 1972 (9<sup>th</sup> September, 1972) has already been prepared and got approval by PCCF (Wildlife) / CWLW, Forest Department, Raipur for a total expenditure of ₹ 13.93 crore vide a letter dated 4<sup>th</sup> February, 2017. NMDC transferred an amount of <b>₹13,68,82,700/-</b> to Chhattisgarh CAMPA account on 30<sup>th</sup> January 2017. The plan is under implementation by Forest Department, Dantewada.</p>
Additional information		<p>Wild life conservation plan for entire Dantewada Forest Division was prepared against one of the FC conditions for proposal for diversion of 65.936 Ha Forestland at Kirandul of NMDC and got approval of PCCF (WL)/CWLW, Forest Dept, Raipur vide letter no.3445 dated 7/12/2013 for an amount of ₹15.50 Cr which has been deposited on 30/4/2014 in CAMPA AC by NMDC.</p>

**ix. Green belt/plantation details:**

Proposed area for green belt/plantation and no. of saplings proposed	<ul style="list-style-type: none"> <li>• The entire Mining Lease area of Deposit-11 is forest land.</li> <li>• Project has already taken undertaken gap plantation over 662 Ha with plantation of 4,00,000.</li> <li>• Reclamation and rehabilitation of mined out areas, waste dumps etc., shall be undertaken for plantation purpose once they became passive in a phased manner.</li> <li>• No. of trees planted 317000 of native species. Proposed 15,000 native species will be planted</li> </ul>
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	in 7.50 Ha.
Budget for green plant & plantation till the end of life of mine.	The area to be covered is 836.924 Ha with plantation of 17,26,882 plants with the budget estimation of ₹186.28 crores at the end of the life of the mine.
Budget for nursery	₹50 lakhs for Kirandul Complex
Details of existing plantation and its survival rate	No. of trees already planted are 3,17,000 and outside ML area is 1,00,000/- of native species. Survival rate is about 90%
No. of tree cuts in the mine lease area and compensatory afforestation	---
<b>Particulars for Green belt/plantation</b>	<b>Area covered (in Ha)</b>
7.5 m barrier & non-mineralized zone	13.545
50 m safety zone of nallah, roads, electric lines	---
500 m safety zones of nearest habitation villages	---

x. **Baseline detail: (monitoring is under progress)**

<b>Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)</b>	
Period of baseline data collection	December to February 2026
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season.
Predominant Wind direction (From)	E & NE
Ambient Air Quality (no. of locations) and results	8 locations

Noise level (no. of locations) and results	8 locations
Water Quality (no. of locations) and results	10 locations
Soil Quality (no. of locations) and results	5 locations
Hydro geological study and results	Seasonal ground water quality and water levels are conducted at 30 locations. The results of the water levels shows that the check dams, check buds and settling ponds acts as a ground water recharge structures.
Traffic study (no. of locations) and results	The traffic density survey will be conducted at 1 location on Kirandul, Bacheli SH road (Single Lane, both sides, 5m wide road).

**xi. Public Hearing (PH) Details:**

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	Not applicable. Proposal is for ToR
Date of PH	Not applicable. Proposal is for ToR
Venue	Not applicable. Proposal is for ToR
Chaired by	Not applicable. Proposal is for ToR
Main issues raised during PH	Not applicable. Proposal is for ToR
Budget proposed for addressing issues raised during PH over 3 years	Not applicable. Proposal is for ToR
Additional information (if any)	Not applicable. Proposal is for ToR

**xii.Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:**

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	Member Secretary, Nava Raipur Atal Nagar letter no. 8699 /TS/CECB/2023, dated: 16/03 /2023 for 11.30 MTPA
Consent to Operate	Member Secretary, Nava Raipur Atal Nagar letter no. 5957 /TS/CECB/2025, Dated: 02/09/2025 which is valid upto 31/8/2028 for 11.30 MTPA
Certified Compliance Report	The CCR shall be obtained from RO, MOEFCC,

and Inspection date	Raipur and will be incorporated in Final EIA report.
Certified Production Details from the inception of the mine (in tabular form against the EC capacity).	Certified Production Details from inception of mine to 2025 is submitted vide letter dated 30.12.2025

**xiii. Rehabilitation & Resettlement (R&R):**

R & R details	Not applicable.
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**xiv. Court case details:**

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted Affidavit and undertaking dated 30.12.2025)

**xv. Affidavit/Undertaking details:**

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted Affidavit and undertaking dated 30.12.2025
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**xvi. EDS/ADS details (If any):**

PP has submitted point wise reply letter dated 19.12.2025 against the EDS were raised on 12.12.2025

S. No	EDS/ADS Point	Reply by Project Proponent																		
1.	There is an anomaly/discrepancy in the number of Employment mentioned in the Common Application Form (CAF) submitted by the Project Proponent (PP): As per para/sl. no. 8 of the Common Application Form (CAF), existing Employment has been provided as 1599 nos. and proposed employment has been shown as 0 (nil). However, in part A of the CAF as per para no 1.7.1	<p>Deposit-11 is an existing project under operation located at Bailadila, Kirandul. As per para no.8, of the common application form (CAF), the existing employment generation during the construction phase is "nil", since the project is an existing project and operational. The following are the existing employment details</p> <table> <tr> <th></th><th>Type</th><th>Employment</th></tr> <tr> <td>Permanent</td><td>Officers</td><td>323</td></tr> <tr> <td></td><td>JO</td><td>15</td></tr> <tr> <td></td><td>Workmen</td><td>1252</td></tr> <tr> <td></td><td>Workmen (Trainee)</td><td>9</td></tr> <tr> <td></td><td>Sub-Total</td><td>1599</td></tr> </table>		Type	Employment	Permanent	Officers	323		JO	15		Workmen	1252		Workmen (Trainee)	9		Sub-Total	1599
	Type	Employment																		
Permanent	Officers	323																		
	JO	15																		
	Workmen	1252																		
	Workmen (Trainee)	9																		
	Sub-Total	1599																		

	the present employment has been shown as 2558 nos. and after expansion employment generation of 30 nos. have been indicated. PP needs to clarify and reconcile this discrepancy by providing the correct and updated details of existing and proposed Employment.	Contractual	Skilled	63
			Semi-skilled	60
			Un-skilled	592
			Security	130
			ICH	114
			Sub-total	959
		<b>Grand Total</b>		<b>2558</b>
		After expansion, it is proposed to generate contractual employment of 30 nos. Therefore, total employment after expansion from 11.30 MTPA to 14.50 MTPA is 2588 nos.		
2	PP needs to submit a copy of the certificate from the State Forest Department regarding the presence of National Park/ Wildlife Sanctuary/Biosphere Reserve/ Eco-Sensitive Zone within a 10 km study area	<p>There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar Sites, or Tiger/Elephant Reserves located within a 10km radius of the Deposit-11 mining lease.</p> <p>Accordingly, the Ministry of Environment Forest and Climate Change (MoEF&amp;CC) accorded Environmental Clearance to Deposit-11 Mining Lease vide letter dated 01.12.2021, wherein, under Point No. 11, the presence of environmentally sensitive areas within the study area has been indicated as "No".</p> <p>Further, no new areas have been declared as ecologically sensitive within the said 10 km radius subsequent to the grant of the Environmental Clearance.</p> <p>The map indicating the absence of ecologically sensitive areas within a 10 km radius of the Deposit-11 mining lease submitted by PP.</p>		
3	PP needs to provide the current status of court case, WP(C) 612/2020 in Hon'ble High Court of Chhattisgarh.	Last hearing held on 24/9/2025. Learned counsel prayed for listing after 3 weeks. Interim relief shall continue till next date of hearing.		
4	The Project Proponent needs to submit whether any other court cases are pending against the project except the above.	No.		
5	PP needs to submit an undertaking as per the Ministry OM dated	Undertaking is submitted as per PP		

	30.05.2018.													
6	PP needs to submit the number of trees planted at the safety zone (7.5 m) of the ML area (also indicating area of green belt development).	<p>NMDC has deposited necessary funds with forest dept. for undertaking safety zone fencing and plantation outside ML area (7.5 mtrs strip all along the outer boundary of mining lease area). Further, as per MoEF &amp; CC circular no. F.No. 11-125/2014 -FC dated 27-05-2015 and clarifications vide F. No. -8-67/1996-FC (Pt) dated 02-08-2017, NMDC has undertaken the safety zone fencing and plantation inside the ML area (7.5 mtrs strip all along the inside boundary of mining lease area). The safety zone fencing and plantation has been undertaken through Chhattisgarh Rajaya Van Vikash Nigam in two phases in respect of Kirandul Complex which consists of three mining leases viz. Dep-14 ML, Dep-14 NMZ ML and Dep-11 ML having common lease boundary. The safety zone area of Deposit-11 mining lease is 13.545 Ha. Since the Dep-11 ML is having common lease boundary with Dep-14 NMZ ML which also shares common lease boundary with Dep-14 ML. Hence the safety zone fencing and plantation works were carried out for above three mining leases of Kirandul Complex as given below:</p> <table><tr><th>Sl.No</th><th>Particulars</th><th>Safety zone fencing</th><th>Safety zone plantation</th></tr><tr><td>1</td><td>Phase-I</td><td>5.33 KM</td><td>5000</td></tr><tr><td>2</td><td>Phase-II</td><td>10.66 KM</td><td>10000</td></tr></table>	Sl.No	Particulars	Safety zone fencing	Safety zone plantation	1	Phase-I	5.33 KM	5000	2	Phase-II	10.66 KM	10000
Sl.No	Particulars	Safety zone fencing	Safety zone plantation											
1	Phase-I	5.33 KM	5000											
2	Phase-II	10.66 KM	10000											

**xvii. Details of project cost and employment:**

Particulars	(₹ In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	₹ 4.0 Crores (Approx)
Project Cost	Existing Cost is ₹520.20 crores & CAPEX for proposed expansion ₹40.0Cr. Total Project Cost: 560.20 Crores.
Employment (No.s)	30

**3. Observation and Recommendation**



EAC deliberated the proposal of Term of Reference (ToR) for Bailadila Iron Ore Mines, Deposit-11 Project for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh by M/s National Mineral Development Corporation Limited.

The proposed project activity is listed at Schedule 1(a) – Mining of Minerals under Category 'A' (Non-Coal Mining) of the EIA Notification, 2006.

The Project Proponent (PP), presented the KML file and highlighted the key site features. PP mentioned that ML area is located at Kirandul Village. Villages located within 10 Km radius include Kodanar (2.6 km SE), Padhapur (3.3 Km, NE), Kadampal (6km, E). The State highway SH-5 is located at a distance of 1.5 km, in the eastern direction from the ML area and NH 63 is located at a distance of 35 Km in North eastern direction from the ML area. PP reported that there are no national parks, Wildlife Sanctuaries, Biosphere Reserves, or Eco-Sensitive Zones within a 10 km radius of the Mine Lease.

PP also mentioned that Koyar Nadi is located at a distance of 4.2 Km in North-East direction from the ML area and Galli Nalla is located at an approximate distance of 1.1 km in west direction from the ML area.

PP mentioned that ML area is located within Bailadila Reserve Forest. The topography of the lease area is hilly terrain. PP reported that the forest clearance for diversion of 874.924 ha forest land had already been obtained from MoEFCC vide letter no: 9-98/97-FC dated 22/12/1999 and the same has been extended up to 10.09.2037 by State Forest Dept, Govt. of Chhattisgarh, vide letter no. 5-34/1997/10-2 dated 31.03.2020.

PP reported that initially the mining lease of Bailadila Deposit-11 was granted to M/s NMDC Limited on 11.9.1967 for a period of 30 years which was valid upto 10.9.1997. The 1<sup>st</sup> extension of mining lease was obtained and executed on 17/10/2005 for a period of 20 years from 11.09.1997 to 10.09.2017. The second extension was granted from 11.09.2017 to 10.09.2037 and the extension was executed on 05.11.2018.

PP further reported that Bailadila Iron Ore Mines, Deposit-11 consists of three pits namely 11A, 11B and 11C. PP had earlier obtained EC dated 01.12.2021 for a production capacity of 11.30 MTPA ROM iron ore and 2.70 MTPA waste excavation. PP also mentioned that Deposit 10 ML area is located adjacent to the instant ML area in the northern direction. Deposit 14 /14NMZ is located adjacent to the instant ML area in the southern direction.

EAC reviewed the submission of PP and stated that PP should conduct a comprehensive and cumulative EIA/EMP by including the impact of proposed expansion and existing production in nearby mining leases on flora, fauna, air, water environment, habitations, etc. Since there are several mines of M/s NMDC Ltd is

operating in close proximity to this mine, EAC was of the opinion that Cumulative impact assessment of these mines should be done.

The Mining Plan, including the Progressive Mine Closure Plan, has been approved by the Indian Bureau of Mines vide letter NoRPR/DANTEWADA/IRON/1456/RMP/2024-25 dated 26.03.2025, covering a mining lease area of 874.924 ha and valid for five years. PP submitted that the mining operations are fully mechanized opencast method. The mine is being operated using shovel dumper combination and involves various process such as drilling, blasting, excavation, quality control, ore processing (crushing & screening), loading of products, sub grade stockpile and waste disposal, respectively. Project Proponent reported that the presently, total of 3 locations are identified for dumping of waste rock extending over total area of 46.058 Ha. The waste rock dump area will increase to 163.322 Ha which is as per approved Modified Mining Plan. The ultimate pit limits for the mining operations are defined by three specific areas: 11A, 11B, and 11C. Area 11A has an elevation of 984 meters (RL), while 11B shares the same elevation of 984 meters RL. In contrast, area 11C is significantly lower, with an elevation of 922 meters RL. The groundwater table is at 730 mRL therefore mining will not intersect the ground water. PP stated that the dumps will be properly dressed, benched, sloped at low angle with terracing to maintain within 28°. Stabilization of dumps will be taken up by plantations or other soil binding shrubs or grasses over the slopes including application of coir geo-textile.

EAC noted the submission of PP and asked whether PP intends to utilize, the sub-grade and BHQ mined out from the instant mine. PP stated that NMDC is undertaking R&D at their own laboratory located in Hyderabad to assess the feasibility of utilisation of sub-grade material and BHQ, and that the outcomes of these studies will be incorporated into the EIA–EMP report. EAC reviewed the submission of PP and suggested that PP should explore the extraction of Iron Ore from BHQ through latest available technologies and also conduct appropriate R& D in this regard. EAC advised to submit the detailed study in this regard in the EIA/EMP report.

With regard to transportation, PP submitted that presently ROM Iron Ore of Deposit-11A is fed to crushing plant of Deposit-10 (adjacent ML of NMDC) for crushing along with Deposit-10 ROM Iron ore and processed in existing Screening Plant located at Bacheli and stacked at loading plant for despatch of ore by rail & road. Under capacity expansion proposal, it is proposed to install 3 MTPA IPCC (Inpit crushing and conveying system) at Deposit 11A. The output size of iron ore shall be less than 20mm and it shall be transported through new downhill conveyor to new Screening and new Loading plant proposed to be developed at Bacheli (outside lease). A provision shall be made to divert the products to existing loading plant at Bacheli. The final products shall be 10 to 20mm size and less than 10mm size.

Further with regard to Deposit 11 B, PP stated that presently, ROM Iron Ore of Deposit-11B is fed to existing 3,000 TPH Gyratory crushing plant located inside lease area for crushing. The crushed iron ore is fed to SP-I and SP-II located in Deposit-14 NMZ ML (adjacent ML of NMDC) for sizing of iron ore along with ore of Deposit-14 and 11C. The new SP-III has also been commissioned at Kirandul which is catering the screening requirements of all Mines such as 14 mine, 11C mine and 11B mine of Kirandul complex. The same shall be continued even after capacity expansion. No changes has been proposed.

With regard to Deposit 11C, PP stated that presently, ROM Iron Ore of Deposit-11C is fed to existing 2,300 TPH Gyratory crushing plant located at Deposit-14 NMZ ML (adjacent ML of NMDC) for crushing the ore along with Dep-14 NMZ Ore. The crushed iron ore is fed to SP-I, SP-II located in Deposit-14 NMZ ML for sizing of iron ore along with ore of Deposit-14 and 11C. A new SP-III (outside lease located at Kirandul) has also been commissioned which is catering the requirement of all mines of Kirandul complex. The sized iron ore of SP-I, II and III is transported to Loading plant at Kirandul and the same shall be continued even after capacity expansion.

PP also mentioned that the above stated mined out and crushed/screened ore at present is transported to various customers through (i) KK railway line (47%) (ii) conveyor system to AMNS beneficiation plant at Kirandul (52%) and (iii) marginal quantity through SH/NH road (1%). To enhance safety and mitigate environmental impact during transportation, iron ore transported by trucks is fully covered with tarpaulin sheets.

EAC noted the submission of PP and advised PP to take necessary mitigative measures at Kirandul Railway Siding to arrest fugitive dust emission and follow CPCB guidelines w.r.t. Railway Sidings. Adequate number of fog cannons/fixed water sprinkling in consultation with SPCB needs to be installed at the railway siding.

The project's total water requirement is estimated to be 1950 KLD. PP reported that at present water is being sourced from Malinger nalla, Kirandul nalla, Galli nalla. Further permission has been obtained from Water Resource Dept, Govt. of Chhattisgarh vide letter dated 20.2.2023 to withdraw 6.735 cu.m / annum from the surface water from Malangir bandh, Kurup bandh, Intek well bandh, Nalla no.25.

EAC noted the submission and advised PP to implement efficient water management and conservation practices to reduce reliance on surface water and encourage sustainable resource use. EAC further asked PP to construct water reservoir or pond within the ML area. EAC asked PP about the dumps and run-off management involved therein. PP stated that no waste water is being discharged from operations at Deposit-11 Mining lease. Only surface water during monsoon season emanates from hill top is allowed to pass through number of check dams constructed on various nallas to control turbidity of water. As per PP a total of 14 check dams have been constructed in and around Deposit-11 ML rea. PP further reported that they have constructed four number of silt-setting ponds on Kirandul nalla. These check dams and ponds are being de-silted every year before onset of



monsoon season. The recommendations of ICFRE for Surface water management are under implementation through CG State Forest Dept. An MOU was signed on 1/2/2021 with DFO, Dantewada at a total cost of Rs.1615.222 lakhs. The soil and water conservation measures are also being implemented through Forest Department in buffer zone of mining leases of Kirandul complex (Deposit-14, 14 NMZ and 11). The ground water levels and quality is being monitored for entire Bailadila region at 72 locations during 4 seasons in a year and ground water level and quality is not affected as per PP. EAC reviewed the submission of PP and asked PP to submit the groundwater monitoring data of the 72 locations in the EIA/EMP report. EAC also advised, PP to ensure that no untreated water is discharged off from the ML area.

On issue of Wildlife Conservation, PP submitted that Site Specific Wildlife Conservation Plan as per Wildlife (Protection) Act, 1972 has already been prepared and got approval by PCCF (Wildlife) / CWLW, Forest Department, Raipur for a total expenditure of ₹ 13.93 crore vide a letter dated 4<sup>th</sup> February, 2017 and M/s NMDC Ltd transferred an amount of ₹13,68,82,700/- to Chhattisgarh CAMPA account on 30<sup>th</sup> January 2017. The plan is under implementation by Forest Department, Dantewada. PP also mentioned that Wild life conservation plan for entire Dantewada Forest Division was prepared against one of the FC conditions for proposal for diversion of 65.936 Ha Forestland at Kirandul of NMDC and got approval of PCCF (WL)/CWLW, Forest Dept, Raipur vide letter no.3445 dated 7/12/2013 for an amount of ₹15.50 Cr which has been deposited on 30/4/2014 in CAMPA AC by NMDC.

EAC reviewed the submission of PP and stated that PP should revise and resubmit the wildlife conservation plan by including species as given in Wildlife Amendment Act 2022.

With regard to greenbelt development in the ML area, PP submitted that plantation has already been carried out in the available blank areas of Deposit-11 ML through C.G. Raj Van Vikas Nigam Limited. The entire Mining Lease area of Deposit-11 is forest land. PP reported that they have already undertaken gap plantation over 662 Ha with plantation of 4,00,000. Reclamation and rehabilitation of mined out areas, waste dumps etc., shall be undertaken for plantation purpose once they became passive in a phased manner. Around 317000 of native species has been planted and it is proposed to plant 15,000 native species in 7.50 Ha. Till the end of mine life 836.924 Ha area shall be planted with 17,26,882 plants with the budget estimation of ₹186.28 crores. PP also mentioned that they have earmarked a budget of Rs 50 Lakhs for a nursery at Kirandul Complex.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 57<sup>th</sup> EAC meeting held on 31<sup>st</sup> December, 2025, under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal for

Term of Reference (ToR) for Bailadila Iron Ore Mine, Deposit-11 Mining Lease of M/s. NMDC Limited for capacity expansion of existing production from 11.30 MTPA to 14.50 MTPA RoM Iron Ore and waste excavation from 2.70 MTPA to 15.39 MTPA (Total excavation from 14.0 MTPA to 29.89 MTPA) in the mining lease area of 874.924 Ha located at Bailadila Iron Ore Mines, Kirandul Complex South Bastar, Dantewada District, Chhattisgarh subject to the following specific conditions in addition to the existing standard condition applicable for Non-coal mining projects:-

- i. PP should explore the extraction of Iron Ore from BHQ through latest available technologies. Appropriate R& D should be conducted /done in this regard. Consultation with Indian Bureau of Mines should also be done in this regard along with other institutes of national repute.
- ii. PP needs to submit a detailed transportation and material handling plan as part of the EIA/EMP, covering the timeline of the proposed installation of 3.0 MTPA IPCC at Deposit-11A, size reduction of ROM to <20 mm, conveyance through the proposed downhill conveyor to the new screening and loading plant at Bacheli (outside the lease area). The plan shall clearly indicate the mode-wise breakup of material transport (conveyor/rail/road), measures for dust suppression and pollution control, traffic management, and mitigation of impacts on nearby habitation.
- iii. PP should submit a detailed plan for rain water harvesting with year wise target for reduction in consumption of the ground/surface water by developing alternative source of water through rain water harvesting measures.
- iv. Project proponent needs to submit the detailed scientific plan for constructing the retaining wall/other structures so that there is no flow of dump/ore silt outside the lease area.
- v. PP should ensure that no untreated water is discharged from the mine site to any of the natural water bodies and submit a detailed plan thereof.
- vi. The Project proponent needs to submit a detailed plan showing more use of renewable energy in the project
- vii. The Project Proponent needs to submit the scientific study on flora and fauna and also to highlight on the endangered species. The Project Proponent needs to verify the list as per the latest Wildlife Protection Amendment Act, 2022 and shall accordingly prepare a Wildlife Conservation Plan. PP needs to submit the proof of submission of Wildlife Conservation Plan to State Forest Department.



- viii. The Project Proponent needs to monitor the ambient air quality and noise level at the mine lease boundary, nearest village, crusher, predominant downwind direction and at other sensitive receptors. Accordingly, Project Proponent shall propose to install Continuous Ambient Air Quality Monitoring Stations within certain timeline.
- ix. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air pollution, noise level and ground vibration.
- x. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years. The Project proponent shall ensure that the activities proposed under the public hearing shall be different from the CSR activities. PP needs to submit a tangible and monitorable action plan for meeting the public hearing commitments.
- xi. The Project Proponent needs to undertake the enumeration of the species within the mine lease area before cutting. The Project Proponent also needs to submit the compensatory afforestation plan for the number of trees to be cut in the mine lease area and also to explore the possibility of tree transplantation.
- xii. The Project Proponent needs to submit the action plan for undertaking the plantation along the 7.5m barrier, safety zone of tar road/cart tracks, electric line etc., PP should also submit the details of numbers of saplings to be planted (2500/ha), type of saplings proposed and the area to be covered under greenbelt/plantation along with the timeline and budget. The greenbelt/plantation plan shall be prepared in such a way that the ecology of the area shall be restored.
- xiii. The Project Proponent shall carry out the assessment of impact due to the proposed project as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xiv. The project proponent shall conduct hydrological study for projects involving intersection of ground water table as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xv. The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology up gradation, etc. The efforts shall be delineated in the EIA/EMP.

- xvi. The Project Proponent shall prepare the scheme for mandatory recycle/re-use of water as specified by the Central Ground Water Authority for different category areas.
- xvii. The Project Proponent needs to submit the plan for Socio economic development of the neighbourhoods habitats based on the need based survey along with the time bound action plan in consultation with the local people. Inclusive development with initiatives focused on employment generation, educational support, healthcare facilities for the local communities be planned.
- xviii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.
- xix. The Project Proponent shall provide the details of Special Pollution Control/ Abatement devices that have been installed/ proposed to be installed within the ML area and how does the technology compare with the best available technology in the field.
- xx. PP to engage a reputable national institute for conducting both blasting and ground vibration studies and to carry out a scientific assessment of air overpressure and fly rock distances following blasting.
- xxi. PP should ensure that all the documents including the approved Mining plan and EIA /EMP should be in consonance with each other.
- xxii. The Project Proponent should submit an action plan to construct water reservoirs within the mine lease area so that reliance on outside water/ground water is lessened/ eliminated.
- xxiii. The Project Proponent needs to undertake the enumeration of the species within the mine lease area before cutting. The Project Proponent also needs to submit the compensatory afforestation plan for the number of trees to be cut in the mine lease area and to explore the possibility of tree transplantation.
- xxiv. The Project Proponent needs to prepare the installation plan for permanent fixed water sprinkling system along the Haul roads. Installation of fog canons at necessary locations in the project should also be planned.
- xxv. The Project Proponent needs to prepare plan to develop the treatment facility for wastewater within the ML area.

- xxvi. PP needs to submit an action plan for installation/ maintenance of ETP and Oil & Grease trap within the ML Area.
- xxvii. The Project Proponent needs to submit employment based skill development plan for the local people, and thrust should be to provide employment to local people after imparting training.
- xxviii. PP needs to project & submit yearwise back filling plan.
- xxix. PP needs to conduct pit slope stability study by a reputed institute. Since the Volume of overburden is proposed to be increased from 2.7 to 15.39MTPA all the safety aspects including height and angle of slopes of OB dumps should be factored in the study.
- xxx. PP shall ensure compliance of MoEFCC O.M. dated 14.01.2025 regarding streamlining the implementation of GSR 702 and GSR 703 dated 12.11.2024.
- xxxi. PP need to assess impact on nearby villages, traffic, and state highway due to mining operations including blasting and transportation. Necessary consultation/ permissions from DGMS may be taken in this regard. PP needs to take mitigation measures including dust suppression, traffic management, noise reduction, and health safeguards based on public hearing/ stakeholder consultations.
- xxxii. PP is required to conduct a cumulative impact assessment including the adjacent mines. This assessment should encompass key factors, including water requirements, air, water, noise pollution levels, power consumption, transportation logistics, waste management practices, and the combined emissions load from projects effects on flora & fauna, etc. EMP should be prepared accordingly.
- xxxiii. Since the volume of OB dumps is increasing manifold, catchment area treatment plan can be prepared in consultation with reputed institute. Planning should be such that there are no chances of silt flow outside the ML area. Catch drains, Siltation ponds, retaining walls, gabion structures, check dams, etc. shall be planned accordingly and submitted with locations, drawing/ layouts.
- xxxiv. PP should plan and submit pollution control measures at Railway Sidings as per CPCB guidelines including permanent water sprinkling system, greenbelt development, metal windscreens, etc.

xxxv. PP needs to submit an action plan as per OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign “EK Ped Ma ke Naam” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal (<https://merilife.nic.in>).

**1.2 Amendment in Environmental Clearance for Extension of the time period for establishment of New crusher of 1200 TPH Capacity alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh.**

**[Online Proposal No. IA/AP/MIN/561962/2025, File No. IA-11015/231/2012-IA II (M), EIA Consultant- B.S. Envi – Tech Pvt. Ltd.]**

The proposal is for the Amendment in Environmental Clearance dated 17.08.2022 and 24.03.2023 for establishment of New crusher of 1200 TPH Capacity alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh.

PP had obtained initial EC dated 17.08.2022 for mining of Limestone in Gudipadu Limestone mine for expansion of production capacity of Limestone from 1.0 MTPA to 4.70 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) along with existing crusher of 350 TPH capacity and proposed crusher of 1200 TPH capacity in the mine lease area of 454.59 ha, located at Village Gudipadu, Mandal Yadiki, District Ananthapuramu, Andhra Pradesh. In the said EC, vide condition (iii) following was stated:-

“Specific condition (iii) Limestone production from 1.0 MTPA to 4.7 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.0 MTPA”

On 24.03.2023, PP obtained an amendment in the existing EC dated 17.08.2022. Vide aforesaid amendment, PP was allocated a time period of 3years to construct and commission the new crusher of 1200 TPH capacity along with conveyor for transporting 4.70 MTPA of limestone. Vide specific condition (iii) of the EC amendment letter dated 24.03.2023, following was stipulated: -



“Specific condition (iii) The New crusher 1200 TPH Capacity alongwith the conveyor for transporting 4.70 of Limestone should be commissioned within 3 years i.e., January 2026”

Further vide specific condition (ii) following was stipulated: -

*“Specific condition (ii) The expansion of Limestone production from 1.5 MTPA to 4.70 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.5 MTPA. New crusher and conveyor will be tested for 1.5 MTPA first and then the mine shall commission for 4.70 MTPA. The commission of new crusher of 1200 TPH capacity along with the conveyor shall be intimated to the Ministry's Integrated Regional Office. Accordingly, SPCB shall not grant Consent to Operate (CTO) for the expansion capacity of 4.70 MTPA production”*

PP has now applied for amendment in EC of Gudipadu Limestone mine stating that due to market glut and low cement demand, the 2.0 MTPA clinker production (Unit–II) expansion could not be taken up. PP has submitted that Additional limestone needs and installation of a new 1200 TPH crusher with Over Land Belt Conveyor (OLBC) will be synchronized with the commissioning of Unit–II of the cement plant. The Unit–II of Cement plant will proceed based on market conditions and financial viability, Post Phase–II, total limestone requirement will rise to 4.70 MTPA; the existing crusher and conveyor cannot handle this. Accordingly, PP has now requested for extension of the time period for establishment of New crusher 1200 TPH Capacity alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032

2. The details of the project submitted by the Project Proponent are given under:

**i. Project details:**

Name of the Proposal	Amendment in Environmental Clearance for extension of the time period for operating the existing crusher of 350TPH capacity and conveyor at 1.5 MTPA, until the validity of the Cement Plant upto 30.10.2032 of Gudipadu Limestone Mine of Sagar Cements Limited for Expansion of Gudipadu Limestone Mine in the ML area of 454.59ha for increase of Limestone production from 1.00 to 4.70MTPA with Total Excavation of 4.85MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) – For Amendment in EC reg.	
Location	Village	Gudipadu



	Tehsil/Taluka	Yadiki Mandal
	District	Ananthapuramu
	State / UT	Andhra Pradesh
	Latitudes	15°04'51.55"N to 15°07'28.07"N
	Longitudes	77°57'55.91"E to 78°00'16.56"E
	Sol Topo sheet No.	57 E/16 & 57 I/4
Company's Name	Sagar Cements Limited	
Accredited Consultant and certificate no. and Validity	B.S. Envi – Tech Pvt. Ltd., (Quality Council of India, NABET Accredited) NABET Accreditation No: NABET/EIA/2326/RA0302 (Rev. 01), valid up to 13.05.2026 Secunderabad – 500 017	
KML file	KML File presented in the meeting (available in Parivesh)	
Seismic zone	Seismic zone – II	

**ii. Category details:**

Category of the project	'A' (Non-Coal Mining (Major Minerals)-Opencast)
Schedule No.	1(a) – Mining of Minerals
Mining lease Area (MLA) (in ha.)	454.59 Ha.
General Conditions (if any)	None

**iii. ToR Details:**

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
04.04.2020	Proposal No: IA/AP/MIN/150902/2020  File No : J-11015/231/2012-IA II (M)	16 <sup>th</sup> EAC meeting dated 28-05-2020	TOR Granted vide File No. J-11015/231/2012-IA II (M)	12.06.2020

**EC Details:**

Date of application	Proposal No/ File No	Consideration by EAC	Details of EC	Date of accord
04.05.2022	Proposal No: IA/AP/MIN/267825/2020	51 <sup>st</sup> EAC meeting dated	Proposal for Environmental Clearance -	17.08.2022

	File No : J-11015/231/2012.IA-II (M)	30.06.2022	Expansion of the Gudipadu Limestone Mine, enhancing limestone production from 1.00 MTPA to 4.70 MTPA, with a total excavation capacity of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA)	
22.11.2022	Proposal No: IA/AP/MIN/267825/2020  File No : J-11015/231/2012.IA-II(M)	7 <sup>th</sup> EAC meeting dated 06.12.2022 & 9 <sup>th</sup> EAC meeting dated 18.01.2023	Amendment in EC to utilize the existing 350 TPH crusher and conveyor for achieving 1.5 MTPA of limestone production from the Gudipadu Limestone Mine to meet the requirement of 1.0 MTPA clinker production (Unit-I), until the installation of the new crusher and OLBC	24.03.2023

**iv. Details of Mine Lease in chronological manner:**

S.no	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of mining lease vide Lr. Memo. No. 338/M.III(I)/2010-6 in favour of M/s BMM Cements Limited for their "captive purpose" and subject to submission of Approved Mining Plan, Consent for Establishment from APPCB, Prior EC from GoI under S.O. 1533, dated 14.09.2006.	26.05.2012	Limestone , Major Mineral	20 years	Government of Andhra Pradesh	454.590 Ha
2	Grant of mining lease vide G.O.Ms.No.119 Industries & Commerce (M.III) Department in favour of M/s. BMM Cements Limited	04.12.2015	Limestone , Major Mineral	20 years	-do-	454.590 Ha
3	Proceedings of the Asst. Director of	15.12.2015	Limestone , Major	15.12.2015 to 14.12.203	-do-	454.590 Ha

	Mines and Geology, Tadipatri vide Ltr. No. 3615/M1/2007. - Execution of Mining Lease deed in favour of M/s. BMM Cements Limited		Mineral	5		
4	Order for Change of name from M/s BMM Cements Limited to M/s Sagar Cements (R) Limited vide G.O.Ms.No.23 Industries and Commerce (Mines.III) Department.	09.04.2021	Limestone , Major Mineral	15.12.2015 to 14.12.2035	-do-	454.590 Ha
5	Order for Change of name from M/s Sagar Cements (R) Limited to M/s Sagar Cements Limited vide G.O.Ms.No.60 Industries and Commerce (Mines.III) Department.	02.09.2022	Limestone , Major Mineral	15.12.2015 to 14.12.2035	-do-	454.590 Ha
6	Extension of Minelease for a period of 50 years obtained from Industries	12.03.2024	Limestone , Major Mineral	15.12.2015 to 14.12.2065	-do-	454.590 Ha

	& Commerce (M.III) Department vide G.O.Ms No.31 in favour of M/s. Sagar Cements Limited.					
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S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1	Proceedings of the Asst. Director of Mines and Geology, Tadipatri vide Ltr. No. 3615/M1/2007. Dated 15.12.2015- Execution of Mining Lease deed In the name of M/s. BMM Cement Limited.	15.12.2015	14.12.2035	Limestone,	454.590 Ha
2	Proceedings of Asst. Director of Mines and Geology, Tadipatri in the name of M/s. Sagar Cements ( R ) Ltd. vide Ltr. No. 3615/M1/2007. Dated 30.04.2021	15.12.2015	14.12.2035	Limestone,	454.590 Ha
3.	Proceedings of Asst. Director of Mines and Geology, Tadipatri in the name of M/s. Sagar Cements Ltd, vide Ltr. No. 3615/M1/2007. Dated 27.09.2022	15.12.2015	14.12.2035	Limestone,	454.590 Ha
4	Memo of Director of Mines and Geology, Tadipatri in the name of M/s. Sagar Cements Ltd, vide Ltr. No. Memo No.878/Dt - ATP /2024,Dated:15.03.2024	15.12.2015	14.12.2065	Limestone,	454.590 Ha



**v. Land Use/Land Cover of the Mine Lease Area:**

Private land	401.63 Ha is private patta land owned by Sagar Cements Limited.
Government land	52.96 Ha is Govt. Waste land
Forest land	0
Total Mining lease area (MLA), ha	454.59 Ha.
Private land for crusher, workshop & other infrastructure outside the MLA	-

**vi. Mining plan details:**

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	RMP/LC/59479604/AP/VJA
	Date	20/12/2024
	Mineral & (Major/Minor)	Limestone, Major Mineral
	Mine Lease Area, Ha	454.59 Ha
	Validity	31-03.2030
<b>Mining Parameters</b>	<b>Quantitative Description</b>	
Method of Mining	Open Cast Mechanized mining adopting deep hole drilling and blasting.	
Drilling/Blasting	Drilling will be carried by Down the hole DTH (115 mm) diameter holes, conventional blasting	
Geological Reserves	164302775.50 T	
Mineable Reserves	127794438.00 T	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Increase of Limestone Production from 1.00 to 4.70 million tonnes per annum (MTPA) Total Excavation 4.85 MTPA (Limestone: 4.7 MTPA + Top Soil: 0.15MTPA)	
Life of mine	34 years @4.70 MTPA (Mining Lease period – 20 Years up to 14.12.2035)	
Mine Bench Height & Bench Width	Bench Height: 9m Bench Width:9m	
No. of Mine Benches	04 Benches	
Existing Depth, m bgl	37m	
Ultimate Depth of Mining, m bgl	37m	
Ground Water Table, m bgl	60m	
Details of ground water intersection	No The water table will not be intersected during	

	the mining operations.
Individual bench slope	60 °
Overall pit slope	45°
Details of existing/ proposed Crusher	present 350 TPH Proposed New crusher 1200 TPH
Mineral Beneficiation	None
RoM output size	-50 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	Through Tippers of 35 tonnes capacity up to crusher Limestone is crushed in the mine and is transported to Cement Plant by closed conveyor of 2.2km length
Generation of Topsoil/OB & its Management during plan period & conceptual period	No OB generated  Top Soil for Plan Period: 1,27,644 Cu.mtrs Top Soil for lease Period: 30,20,000 Cu.mtrs
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	None

**vii. Water requirement:**

Total water requirement	100 KLD	Fresh water	100 KLD
		Treated water	-
Source	Existing Mine pit.		
Permission for withdrawal/ intersection along with details of grant and its validity	Not Applicable		

**viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest**

Particulars	Particular's Name	Distance & Directions
Village	Gudipadu Village	0.45 km – West side of the Mine Boundary.
Town	Tadipatri	18.73 km -S
Highway	National Highway (NH-67) Guntakal – Proddatur	7.15 km - S.
Interstate Boundary	None within 10km	-
Railway Station/Railway line	Juturu	15.95 km – SW
Water Bodies	Pedda Vanka	0.45 km – E
Forest	Owk RF	6.60 km - N

ix. **Presence of Environmentally Sensitive areas in the study area**

<b>Forest Land/ Protected Area/ Environmental Sensitivity Zone</b>	<b>Yes/No</b>	<b>Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks</b>
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	<p>Sagar Cements Limited has obtained the letter from the office of the District Forest Officer, Ananthapuramu vide Rc. No.2511/2020/TO, dated 20.01.2021 stating that</p> <ol style="list-style-type: none"> <li>1. There is no forest area inside the mining area. The distance from the mining area to the nearest RF i.e., Yadiki RF is 8.10 kms.</li> <li>2. There is no existence of any National Parks, Wildlife Sanctuaries and Sensitive areas within 10 kms of the leased area.</li> </ol>
National Park	No	The present proposal is for EC Amendment,
Wildlife Sanctuary	No	The present proposal is for EC Amendment,
Elephant/Tiger Reserve	No	The present proposal is for EC Amendment,
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	No	The present proposal is for EC Amendment,
Coastal Regulation Zone (CRZ)	No	The present proposal is for EC Amendment,
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	No	<p>The following Schedule-I fauna has been observed in the study area</p> <ol style="list-style-type: none"> <li>a. Indian Jackal (Canis aureus)</li> <li>b. Grey Mongoose (Herpestes Edwardsii)</li> <li>c. Indian Porcupine (Hystrix indica)</li> <li>d. Bonnet Macaque (Macaca radiate)</li> <li>e. Black Buck (Antelope cervicapra)</li> <li>f. Indian fox (Vulpes bengalensis)</li> <li>g. White-eyed Buzzard(Butastu</li> </ol>

		teesa) h. Indian Peafowl ( <i>Pavo cristatus</i> ) etc.  The Wildlife Conservation Plan has been prepared in accordance with the provisions of the Wildlife Conservation Plan (WLCP) Act, 2022. The plan has been duly approved by the Principal Chief Conservator of Forests (PCCF) vide Letter No. Rc.no.21024/21/2022/WL-2 dated 19.09.2024
Wildlife Conservation Plan	No	The present proposal is for EC Amendment,

**x. Green belt/plantation details:**

Proposed area for green belt/plantation and no. of saplings proposed	Proposed area for green belt : 28.41 Ha no. of saplings proposed: 44000
Budget for green plant & plantation till the end of life of mine.	Capital Cost: Rs.152.28 Lakhs Recurring Cost: Rs. 140.62Lakhs
Budget for nursery	-
Details of existing plantation and its survival rate	80%
No. of tree cuts in the mine lease area and compensatory afforestation	-
<b>Particulars for Green belt/plantation</b>	<b>Area covered (in Ha)</b>
7.5 m barrier & non-mineralized zone	14.30
50 m safety zone of nallah, roads, electric lines	19.46 ha - Safety barrier zone of 50m width on either of the seasonal stream  14.43 Ha - Safety barrier zone of 50m width on either of the road
500 m safety zones of nearest habitation villages	-

**xi. Baseline detail:**

<b>Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)</b>
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Period of baseline data collection	Winter Season, 2019-2020 (Dec'19 To Feb'2020)
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season, 2019-2020
Predominant Wind direction (From)	East
Ambient Air Quality (no. of locations) and results	<p>9 Ambient Air Quality Results:</p> <ol style="list-style-type: none"> <li>1. PM<sub>10</sub> ranges from 44.8 to 60.7 µg/m<sup>3</sup></li> <li>2. PM<sub>2.5</sub> ranges from 18.7 to 30.4 µg/m<sup>3</sup></li> <li>3. SO<sub>2</sub> ranges from 8.2 to 14.6 µg/m<sup>3</sup></li> <li>4. NO<sub>2</sub> ranges from 9.0 to 15.8 µg/m<sup>3</sup></li> </ol>
Noise level (no. of locations) and results	<p>9 Noise Level Monitoring stations Results:</p> <p>Day Time - 50.6 – 70.8 dB (A)</p> <p>Night Time – 41.8 – 62.5 dB (A)</p>
Water Quality (no. of locations) and results	<p>Ground Water: 8 locations Results:</p> <ul style="list-style-type: none"> <li>• pH : 6.62 – 7.79. Alkaline in nature.</li> <li>• Total dissolved solids :126 - 1120 mg/l.</li> <li>• Total hardness as CaCO<sub>3</sub> : 83 - 584 mg/l.</li> <li>• Chlorides concentration : 6.0 - 178 mg/l.</li> <li>• Fluoride concentration : &lt;0.1 – 1.15 mg/l.</li> <li>• Sulphates concentration : 5.7 – 95 mg/l.</li> </ul> <p>Surface water: 1 Location Results:</p> <ul style="list-style-type: none"> <li>• pH - 7.68</li> <li>• Boron as B: 0.11 mg/l</li> <li>• BOD@270 for 3 days: &lt;2 mg/l</li> <li>• Chemical Oxygen demand (COD):&lt;4 mg/l</li> <li>• Dissolved Oxygen (D.O): 6.2 mg/l</li> <li>• Sodium Absorption Ratio: 2.34 mg/l</li> <li>• Ammonical Nitrogen as N: &lt;0.50 mg/l</li> </ul>



	<ul style="list-style-type: none"> <li>• Total coliforms: 10CFU/100ml</li> </ul>
Soil Quality (no. of locations) and results	<p>9 Soil Quality locations</p> <p>Results:</p> <ul style="list-style-type: none"> <li>• pH Value of 1:2 aqueous extract Solution: 7.74-8.25</li> <li>• E.C, 1:2 aqueous extract Solution: 109-270 <math>\mu</math>S/cm</li> <li>• Mineralized Nitrogen (Available Nitrogen): 28-394 kg/ha</li> <li>• Available Phosphorous as P<sub>2</sub>O<sub>5</sub>: 4-62 kg/Ha</li> <li>• Available Potassium as K<sub>2</sub>O: 24-324 Kg/Ha</li> <li>• Available Sodium as Na<sub>2</sub>O: 52-532 Kg/Ha</li> <li>• Organic Carbon: &lt;0.1-0.86 %</li> </ul>
Hydro geological study and results	<p>Study area of the project is categorized as "Safe" as per the Ground water Estimation Committee, 2015 norms. The water table will not be intersected during the mining operations.</p>
Traffic study (no. of locations) and results	<p>The limestone will be transported by tippers upto the crusher at Pit Head. Once the limestone is crushed, it will be transported by closed belt conveyor.</p>

**xii. Public Hearing (PH) Details:**

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	<p>Not Applicable, The present proposal is for EC Amendment,</p> <p><b>Earlier Public Hearing details:</b> Public hearing advertisement for the expansion proposal was published on 07.12.2021 in "The Hans India" (English News Paper) and "Eenadu" (Telugu News Paper).</p>
Date of PH	07.01.2022 by APPCB
Venue	Near Cement plant Gudipadu Village, Yadiki Mandal, Anantapur District, Andhra Pradesh
Chaired by	Smt. B Gayatri Devi., District Revenue Officer & Addl. District Magistrate, Ananthapuramu District, A.P.
Main issues raised during PH	<ul style="list-style-type: none"> <li>• Preference to be given for locals for Employment</li> <li>• To implement latest technology in controlling of Noise &amp;</li> </ul>

	<p>ambient air quality for the proposed expansion project</p> <ul style="list-style-type: none"> <li>Welfare activities had slowed down in recent times due to covid-19 pandemic. He hoped that welfare activities will increase further in future and requested the authorities to sanction permission for the proposed expansion project.</li> <li>To adopt the villages within 10 Km radius from the industry and to implement the developmental activities</li> <li>To provide Sewing Centre</li> <li>To provide water line along with tap connection facility to Kundanakota village and requested the authorities to sanction permission for the expansion of the mine.</li> <li>To extend help in providing cell tower in the village so that it would facilitate the Students to attend the online classes without any interruption.</li> </ul>
Budget proposed for addressing issues raised during PH over 3 years	Sagar Cements Limited has allotted Rs. 72.22 Lakhs under mines + Rs 403 Lakhs under Cement Plant towards the Public Hearing demands and need based activities.

**xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:**

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	APPCB vide Order No. 145/APPCB/CFE/RO-ATP/HO/2014 dated 17/11/2022, valid upto 16.11.2029
Consent to Operate	APPCB vide Order No 1307195/APPCB/KNL/ATP/CTO/HO/2022 dated 30.11.2022, valid upto 31.01.2026
Certified Compliance Report and Inspection date	E.P./12.1/2014-15/17/AP /678 dated 26.08.2020 from MOEFCC Chennai The proposal is for EC amendment
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Certified Production Details from 2015-2025 is submitted (as stated by PP)

**xiv. Rehabilitation & Resettlement (R&R):**

R & R details	Not Applicable (as stated by PP)
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**xv. Court case details:**

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted an undertaking dated 27.12.2025 w.r.t court case

**xvi. Affidavit/Undertaking details:**

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted an Affidavit dated 27.12.2025
Undertaking by Project Proponent in EIA/EMP report	Submitted in the EIA/EMP Report
Undertaking by Consultant in EIA/EMP report	Submitted in the EIA/EMP Report
Plagiarism Certificate	Submitted in the EIA/EMP Report

**xvii. EDS/ADS details (If any): None**

**xviii. Details of the Environmental Management Plan (EMP):**

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Dust Suppression Measures	0.3	0.3
Environmental Monitoring	0.5	0.75
Greenbelt development	1.5228	1.4062
Occupational Health Check up	0	1.74
Rainwater Harvesting Structures & Garland Drain	0.25	0.15
<b>Total (Crores)</b>	<b>2.5728</b>	<b>4.3462</b>

**xix. Details of project cost and employment:**

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Capital Cost of EMP: 2.5728 Capital cost of Public hearing: Rs. 0.7222 Crores
Project Cost	10.0
Employment (No.s)	56

**3. Observation and Recommendation of the Committee:**

The proposal is for the Amendment in Environmental Clearance dated 17.08.2022 and 24.03.2023 for establishment of New crusher of 1200 TPH Capacity

alongwith the conveyor until the validity of the Cement Plant upto 30.10.2032, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh.

PP had obtained initial EC dated 17.08.2022 for mining of Limestone in Gudipadu Limestone mine for expansion of production capacity of Limestone from 1.0 MTPA to 4.70 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) along with existing crusher of 350 TPH capacity and proposed crusher of 1200 TPH capacity in the mine lease area of 454.59 ha, located at Village Gudipadu, Mandal Yadiki, District Ananthapuramu, Andhra Pradesh. In the said EC, vide condition (iii) following was stated:-

“Specific condition (iii) Limestone production from 1.0 MTPA to 4.7 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.0 MTPA”

On 24.03.2023, PP obtained an amendment in the existing EC dated 17.08.2022. Vide aforesaid amendment, PP was allocated a time period of 3 years to construct and commission the new crusher of 1200 TPH capacity along with conveyor for transporting 4.70 MTPA of limestone. Vide specific condition (iii) of the EC amendment letter dated 24.03.2023, following was stipulated: -

“Specific condition (iii) The New crusher 1200 TPH Capacity alongwith the conveyor for transporting 4.70 of Limestone should be commissioned within 3 years i.e., January 2026”

Further vide specific condition (ii) following was stipulated: -

*“Specific condition (ii) The expansion of Limestone production from 1.5 MTPA to 4.70 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.5 MTPA. New crusher and conveyor will be tested for 1.5 MTPA first and then the mine shall commission for 4.70 MTPA. The commission of new crusher of 1200 TPH capacity along with the conveyor shall be intimated to the Ministry's Integrated Regional Office. Accordingly, SPCB shall not grant Consent to Operate (CTO) for the expansion capacity of 4.70 MTPA production”*

PP has now applied for amendment in EC of Gudipadu Limestone mine stating that due to market glut and low cement demand, the 2.0 MTPA clinker production (Unit-II) expansion could not be taken up. PP has submitted that Additional limestone needs and installation of a new 1200 TPH crusher with Over Land Belt Conveyor (OLBC) will be synchronized with commissioning of Unit-II of the cement plant. The Unit-II will proceed based on market conditions and financial viability Post Phase-II,



total limestone requirement will rise to 4.70 MTPA; the existing crusher and conveyor cannot handle this. Accordingly, PP has now *requested* for extension of the time period for establishment of New crusher 1200 TPH Capacity along with the conveyor until the validity of the Cement Plant upto 30.10.2032

EAC noted that at present, PP is operating the mine with a production capacity of 1 MTPA limestone and using the existing crusher of 350TPH having an operation hour of 9.5 hrs and conveyor system of 2.2 km to transport the mined-out limestone to Unit-I of the existing Cement Plant through closed conveyor system. PP submitted that they will undertake mining at the rate of 1.5 MTPA limestone and operate the crusher and conveyor for 14 hrs to transport the crushed limestone to Unit-I.

PP also submitted that they had earlier obtained expansion EC for cement plant for construction of Unit -III with 3 MTPA clinker production on 31.03.2022. The details of limestone requirement submitted by PP for both Unit-I and Unit-II is given as under: -

Cement Plant.	Clinker production (MTPA)	Limestone Requirement (MTPA)
Unit -I	0.75 to 1.00	1.00 to 1.50
Unit-II (New)	2.00	3.20
Total	0.75 to 3.00	4.70

EAC noted the submission of PP and enquired about the present production capacity as per the current approved mining plan and its validity. PP stated that the current mining plan was approved by IBM on 20.12.2024 with a maximum production capacity of 1499997.50 TPA and the mining plan is valid till 31.03.2030.

EAC reviewed the submission of PP and was of the opinion the PP may be allowed to undertake production of limestone at the rate of 1499997.50 TPA along with the existing crusher of 350 TPH and covered conveyor of 2.2 Km to transport the limestone to Unit-I of the Cement plant upto 31.03.2030 since the Mining Plan is valid with 1499997.50 TPA production and is valid upto 2030. EAC also stated that PP must complete the construction & commissioning of Unit-II and conveyor by 31.03.2030.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in 57<sup>th</sup> EAC meeting held on 31<sup>st</sup> December, 2025 under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal for grant of Amendment in Environmental Clearance dated 17.08.2022 and 24.03.2023 for establishment of New crusher of 1200 TPH Capacity along with the conveyor by 31.03.2030, for Gudipadu Limestone Mine (Extent: 454.59 Ha.) of M/s. Sagar Cements Limited, located at Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh subject to following specific conditions in addition to the standard EC conditions applicable to non-coal mining projects:-



- i. PP is allowed to mine maximum 1499997.50 TPA limestone till 31.03.2030 as per the approved mining plan dated 20.12.2024. After installing the new crusher of 1200 TPH and conveyor by 31.03.2030 only, PP can enhance the limestone production capacity upto 4.70 MTPA. PP should get the mining plan revised again to enhance the production beyond 1499997.50 TPA limestone. PP should inform Regional office/ Sub-Regional office (SRO) of MoEFCC about the installation of Conveyor belt.
- ii. New crusher of 1200 TPH capacity in ML area along with the conveyor for transporting Limestone upto Unit-II of the Cement Plant should be commissioned by 31.03.2030.
- iii. PP shall ensure stringent dust-control measures, water spraying/ fogging systems at conveyor belt, transfer points, etc. and installation of conveyor monitoring systems. PP shall ensure the safety of the conveyor belt and shall maintain it periodically time to time to prevent any accidents.
- iv. PP shall not discharge any untreated surface/mine pit water outside the ML area.
- v. The Project Proponent shall continue to monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village, at crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.
- vi. The Project Proponent should install three Continuous Ambient Air Quality Monitoring Stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- vii. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. 3 sides of crusher should be covered with Noise barrier sheets. Permanent water sprinklers/ fogging/misting arrangement needs to be installed at 3 sides of crushers for dust suppression and near the unloading platform of limestone.
- viii. The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.

PP needs to install solar power plant at the earliest to reduce dependency on conventional power supply from state.

- ix. The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to RO, MoEF&CC.
- x. The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office. Density of plantation should be 2500 plants/ha). PP shall make provision for drip irrigation to conserve the water. PP should plant fruit bearing trees along with other native and allied species within the ML area.
- xi. The Project Proponent shall provide the rainwater harvesting structure at mine offices and quarters/colonies to recharge the ground water. PP shall explore the construction of water reservoirs in the ML area to lessen dependency on surface and groundwater.
- xii. PP needs to construct sedimentation ponds, check dam, gabion structures, retaining wall, garland drain etc to safeguard the natural Streams/Nallahs flowing in and around the Lease area and to prevent any silt flow outside the project.
- xiii. The Project Proponent should periodically monitor and maintain the health records of the mine workers prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance shall be carried through regular occupational health check-up every year for mine workers as per DGMS guidelines. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xiv. The mobile water tankers should be used in the ML area for dust suppression and control in addition to permanent fixed type water sprinkler along the haul roads. A logbook of water tankers should be maintained mentioning running hours, kilometre reading, and maintenance hours of water tankers for each shift. PP shall use non-toxic chemicals for dust suppression in order to reduce the total water requirement.
- xv. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition

which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.

- xvi. PP needs to comply the OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign “ EK Ped Ma keNaam” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal( <https://merilife.nic.in>).
- xvii. PP should utilise the Oil & Grease Trap for washing of trucks,/vehicles/ HEMM operational in their mine project. Used oil and drums should be disposed through authorised recyclers as per rules. Copy of logbook of Oil withdrawn from Oil & Grease Trap and disposed to the authorised dealer should be submitted to the Regional Office of the Ministry.
- xviii. PP shall ensure that all type of plastic waste generated from the mines shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016. In pursuant to Ministry's OM dated 18/07/2022 PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall be submitted to Ministry's Regional Office.
- xix. All other terms and conditions mentioned in the EC letter dated 17.08.2022 shall remain unchanged.

**List of members of 57<sup>th</sup> Expert Appraisal Committee member participated through Online Mode**

S.No.	Member Name	Member Address	Designation	31 <sup>st</sup>
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				<b>December, 2025</b>
1	Dr. Dinesh Misra, IFS (Retd.)	Plot No 65, Sector 8, Gandhinagar, Gujarat, 382 008	Chairman	Yes
2	Sh. Niranjan Kumar Vasu, IFS (Retd.)	816, Shanti Nagar, Opposite Durgapur Railway Station, Jaipur-Rajasthan, 302018	Member	Yes
3	Dr. Asha Rajvanshi, Scientist 'G' (Retd.), WII	B/104/106 Rock Valley Apartments, GMS Road, Sewla Kalan, P.O. Majra, Dehradun, Uttarakhand-248171	Member	Yes
4	Shri. Avijit Ghosh (CMD- Heavy Engineering Corporation Limited) (Retd.)	Singhee Marg, A- 604 Shahadeo Tower, P.P.Compound, Ranchi 834001, Jharkhand	Member	Yes
5	Shri. Bandi Ramchandra Reddy (Former CMD- South Eastern Coalfields Limited)-(Retd.)	Flat No-503 A, Jyoti Cosmos, White Fields, Hi-Tech City, Kondapur, Hyderabad-500081	Member	Yes
6	Prof. Pramod Kumar, Professor, Shri Aurobindo College, University of Delhi	Shri Aurobindo College, University of Delhi 1372, B-1, Vasant Kunj, New Delhi-110070	Member	Yes
7	Prof. Devesh Walia, Department of Environmental Studies	Department of Environmental Studies, NEHU, Shillong-793022 Meghalaya	Member	Yes
8	Dr. Suresh Tiwari, Scientist-F	Indian Institute of Tropical Meteorology, Pune, New Delhi Branch, Prof. Ram Nath Vij Marg	Member	Yes

		Rajinder Nagar, New Delhi - 110060		
9	Dr. K.G Asha Manjari, Professor, University of Mysore	10/B, "SPARSHA", 2nd Main, 2 <sup>nd</sup> Cross, Bhogadi Ind Stage, Mysore-570026, Karnataka	Member	Yes
10	Prof. Dev Dutt Sharma, Vice-Chancellor	Sardar Patel University, Mandi H.P. 175001	Member	No
11	Shri V. K. Soni, Representative of India Meteorological Department	Government of India, Ministry of Earth Sciences, India Meteorological Department, Mausam Bhawan, Lodi Road, New Delhi – 110003	Member	No
12	Dr. Yogesh G. Kale Chief Controller of Mines (Representative of Indian Bureau of Mines)	Chief Controller of Mines , IBM Block D, Second Floor, Indira Bhawan, Civil Lines, Nagpur - 440001	Member	Yes
13	Representative of Directorate General of Mines Safety	Representative of Directorate General of Mines Safety	Member	No
14	Shri Rajeev Ranjan	2 <sup>nd</sup> Floor, Vayu Block, Indira Paryawaran Bhawan, MoEF&CC, Jorbagh, New Delhi-110003.	Member Secretary	Yes

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