



सत्यमेव जयते

Government of India
Ministry of Environment, Forest and Climate Change



Date: 14/11/2023

ACKNOWLEDGEMENT

This is to acknowledge that AARTI SPONGE AND PRIVATE LIMITED has provided the information on PARIVESH Portal in respect of As per requirement of EIA Notification, 2006 [as amended to the date] this is to certify that “No Increase in Pollution Load” Certificate is hereby issued to M/s. Aarti Sponge & Power Limited, located at Ashoka park, Khamardih Road, Shankar Nagar, Raipur, Chhattisgarh. for their proposed “Increasing in Production Capacity of existing Induction Furnaces from 1,47,600 TPA to 2,55,600 TPA & Rolling Mill from 1,50,000 TPA to 2,80,500 TPA (2,48,000 TPA WITH Hot Charging & 32,500 TPA with RHF) and in the format attached herewith under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O.980 (E), dated 02nd March 2021.

To claim exemption from obtaining Prior Environment Clearance under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O 980 (E) dated 02nd March 2021 in respect of any increase in production capacity with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (v) configuration of the plant or process or (vi) operations in existing area or (vii) In areas contiguous to the existing area specified in the environmental clearance of the project, the project proponent / SPCB or UTPCC shall follow the following process:

1. The project proponent shall inform the SPCB or UTPCC, as the case may be, in specified format along with: (i) ‘No increase in Pollution Load’ certificate from the Environmental Auditor or reputed institutions empanelled by the SPCB or UTPCC or CPCB or Ministry; (ii) last Consent to Operate certificate for the project or activity; and (iii) online system generated acknowledgement of uploading of intimation and ‘no increase in pollution load’ certificate on PARIVESH Portal.
2. Based on the submission of above information, the project proponent may carry on the proposed activity as per the submitted details. However, if on verification the SPCB or UTPCC, as the case may be, holds that the change or expansion or modernization will result or has resulted in increase in pollution load, the exemption claimed under this clause shall not be valid and it shall be deemed that the project proponent was liable to obtain Prior Environmental Clearance before under taking such changes or increase, as per the clause (a) of sub-paragraph (ii) of paragraph 7 of EIA Notification, 2006 and the provisions of Environment (Protection) Act, 1986 shall apply accordingly.

Encl: Attached the Information provided by the project proponent

Application for No Increase in Pollution Load - Form-10

Basic Details

1. Whether Project /Activity accorded prior EC?	Yes
1.1. Proposal No.	1255/SEIAA-CG/EC/Met Ind&fur/RYP/112

1.2. Name of Project	Aarti Sponge & Power Limited		
1.3. Whether the Project Activity attracts the provisions under	7(ii) (b)		
1.3.1. Category			B1
1.3.2. Whether Project/Activity falls in the category of Processing or Production or Manufacturing Sectors?			Yes
1.3.3. Whether multiple items (Components) as per the notification involved in the proposal?			No
1.3.3.1. Item No. as per schedule to EIA Notification, 2006 for Major Activity	3(a) Metallurgical Industries (ferrous and non ferrous)	Secondary metallurgical processing industry (Toxic and heavy metals)	
1.3.3.2. Capacity	0.2805	MTPA	
1.3.3.3. Whether Project/Activity falls in 'B2' Category			No
2. Whether the project proposed to be located in the Notified industrial area?			No

3. Details of Consent under Air (P&CP) Act, 1981 & Water (P&CP) Act, 1974

Consent No/Application No	Date	Valid Up to	Copy of Consent order
11433/TS/CECB/2021	25/03/2021	31/03/2024	CTO Aarti.pdf Preview

4. Details of Authorization under Hazardous & Other Waste Management Rules, 2016 and subsequent amendment

Authorization No./ Application No	Date	Valid Up to	Copy of Authorization order
2563/HO/HSMD/CECB/2018	23/06/2018	23/06/2023	Hazrdous AUTHORIZATION.pdf Preview

Product Details

1. Details of products & by-products including changes in product mix

List of products/by-products permitted under EC / CTO with CAS Number	Quantity permitted under EC / CTO	Unit	List of products/by-products proposed under clause 7(ii)(b) with CAS Number	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Billets	147600	TPA	Billets	255600	TPA	proposed increase in production capacity of Billets through Induction Furnaces from 1,47,600 TPA to 2,55,600 TPA with the usage of better grade raw materials, increase in number of working days from 300 to 330 & installation of 2 x 15 T New Induction furnaces
Coal Gasifier (Producing gas Plant)	0	TPA	Coal Gasifier (Producing gas Plant)	7800	TPA	Increase in capacity from 1,50,000 TPA to 2,80,500 TPA (500 TPD to 850 TPD) by increasing the speed of mill along with New Gasifier of 7800 NM3/Hr
Sponge Iron	90000	TPA	Sponge Iron	9000	TPA	No Change in Production, but it is proposed to use High Grade Indian Coal instead of Indian Coal
Rolled Products	150000	TPA	Rolled Products	280500	TPA	Increase in capacity from 1,50,000 TPA to 2,80,500 TPA (500 TPD to 850 TPD) by increasing the speed of mill along with New Gasifier of 7800 NM3/Hr

2. Details of Raw materials including water consumption and fuel consumption including changes in the raw material mix

List of raw materials envisaged under EC / CTO with CAS Number	Quantity permitted under EC/CTO	Unit	List of raw materials proposed under clause 7(ii)(b)	Quantity proposed under clause 7(ii)(b)	Unit	Remarks if any
Sponge Iron	132840	TPA	Sponge Iron	166140	TPA	(+) 1,54,700 TPA Increase
Cold Billets	24750	TPA	Cold Billets	33637	TPA	(+) 8,887 TPA Increase
Coal -Indian	153000	TPA	High grade Indian Coal	126000	TPA	(-) 27,000 TPA Decrease
Furnace oil	7095	TPA	Furnace oil	0	TPA	Not Using
Hot billets	140250	TPA	Hot billets	255600	TPA	(+) 1,15,350 TPA Increase
Pig Iron or Scraps	51660	TPA	Pig Iron or Scraps	127800	TPA	(+) 76,140 TPA Increase
Coal for New Coal Gasifier Unit	0	TPA	Coal for New Coal Gasifier Unit	3192	TPA	Rolling Mill from 1,50,000 TPA to 2,80,500 TPA along with New Gasifier of 7800 NM3/Hr
Ferro Alloys	14760	TPA	Ferro Alloys	25560	TPA	(+) 10,800 TPA Increase
Iron Ore	144000	TPA	Iron Ore	144000	TPA	No Change
Dolomite	36000	TPA	Dolomite	36000	TPA	No Change

2.1. Approval for additional water consumption if applicable	No
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3.Details of Effluent Generation

3.1.Quantity

Propose	Quantity of existing effluent generation in KLD (as per EC/CTO)	Quantity of effluent generation after the proposed change in product or raw material mix in KLD	Mode of Disposal Ultimate Receiving Body
Industrial	102	102	There will be no additional effluent generation with proposed capacity enhancement.

3.2.Quality

Composition as per the EC/CTO	Concentration as per EC/CTO in (mg/L)	Composition after proposed change in product or raw material mix	Concentration after proposed change in product or raw material mix in (mg/L)	Remarks, if any
Ph:- 6.5-8.5,TSS:- 100 mg/l, TDS:-2100mg/l, Oil and grease:-10mg/l	0	Ph:- 6.5-8.5,TSS:- 100 mg/l, TDS:-2100mg/l, Oil and grease:-10mg/l	0	Nil

3.3.Total load in respect of Effluent

Total load in respect of Effluent as per the EC/CTO	Treatment facility existing (with capacity in KLD)	Total load in respect of Effluent after proposed change in product or raw material mix in KLD	Treatment facility proposed with capacity after proposed change in product or raw material mix in KLD	Remarks if any
102	0	102	0	There will be no additional effluent generation with proposed capacity enhancement.
0	0	0	0	0

3.4.Details of effluent management

3.4.1. Whether Segregation of Concentrated stream and its disposal is proposed?	No
7.4.2. Whether Reduction / Recycle / Reuse of effluent are proposed?	No
7.4.3. Whether any additional Effluent Treatment Facilities Provided?	No
7.4.4. Whether is there any proposal for up-gradation of ETP?	No
7.4.5. Whether the unit is having Membership of Common	No

Effluent Conveyance / Disposal Facility?	
7.4.6. Whether it is Proposed to achieve zero discharge?	Yes
7.4.6.1. Brief report on Proposal to achieve zero discharge with technical justification and feasibility	Effluent management.pdf Preview
7.4.7. Whether Project has Membership of CETP?	No

Emission Generation

1.Details of Emission Generation

1.1.

Quantity

(i) From Stacks

Point Source (s)	Height of stack (m)	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
NOx from DRI Kilns	45	900	Kg Per Day	900	Kg Per Day	900	Kg Per Day	900	Kg Per Day
NOx from Rolling Mill With RHF	56	32.4	Kg Per Day	32.4	Kg Per Day	52.8	Kg Per Day	52.8	Kg Per Day
SO2 from Rolling Mill With RHF	56	2128.5	Kg Per Day	2128.5	Kg Per Day	756	Kg Per Day	756	Kg Per Day
PM from Induction Furnaces	30	39.12	Kg Per Day	39.12	Kg Per Day	25.056	Kg Per Day	25.056	Kg Per Day
NOx from Induction Furnaces	30	391.2	Kg Per Day	391.2	Kg Per Day	250.56	Kg Per Day	250.56	Kg Per Day
PM from Rolling Mill With RHF	56	3.24	Kg Per Day	3.24	Kg Per Day	5.28	Kg Per Day	5.28	Kg Per Day
PM from DRI Kilns	45	90	Kg Per Day	90	Kg Per Day	90	Kg Per Day	90	Kg Per Day
SOx from DRI Kilns	45	4455	Kg Per Day	4455	Kg Per Day	3780	Kg Per Day	3780	Kg Per Day

(ii) From Fugitive sources

Fugitive Sources	Height of discharge in m	As per EC / CTO			After the proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
0	0	0	Kg Per Day	0	Kg Per Day	0	Kg Per Day	0	Kg Per Day

(iii) From other sources

Other Source(s)	Height of discharge in m	As per EC / CTO			After proposed change in product or raw material mix				
		Emission rate	Unit	Total emission	Unit	Emission rate	Unit	Total emission	Unit
0	0	0		0	Kg Per Day	0	Kg Per Day	0	Kg Per Day

1.2.

Quality

Stack attached to	Stack Height in Meter	APCM	Parameter	Concentration			
				As per EC / CTO	Unit	After the proposed change in product or raw material mix	Unit
Induction Furnace	30	Fume Extraction system with with PTFE membrane bag filters	PM	39.12	Kg Per Day	25.056	Kg Per Day
Rolling Mill with RHF	56	Stack	PM	3.24	Kg Per Day	5.28	Kg Per Day
DRI Kilns 3x100 TPD	45	ESP	PM	90	Kg Per Day	90	Kg Per Day

2.

Total load in respect of Emission

Total load in respect of emission as per the EC / CTO	Unit	APCM existing with capacity	Unit	Total load in respect of emission after proposed change in product or raw material mix	Unit	APCM proposed with capacity after proposed change in product or raw material mix	Unit	Remarks if any
132.36	Kg Per Day	150	Kg Per Day	120.336	Kg Per Day	150	Kg Per Day	(-) 12.024 Kg/day Increase

3.Details of emission management

<p>3.1.</p> <p>Whether there is any Proposal for switching over to cleaner fuel?</p>	No
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3.2. Whether there is any Proposal for the up gradation of existing APCM? (with the time-bound program)	No
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3.3. Whether there is Proposal for the installation of new APCM? (with time-bound program)	No
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1. Hazardous Waste Generation

1.1.

Quantity and type of waste

Type of Waste	Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016)	Generation per Year						
		Existing as per the EC / CTO	Unit	After Change in Product Mix	Unit	Source of Generation	Mode of Storage	Mode of Treatment & Disposal method
Char Dolochar	Non-Hazardous	22500	Tons per Annum (TPA)	13500	Tons per Annum (TPA)	DRI Kilns	Shed	Will be given to nearby Power plants
ESP and Bag filter Dust	Non-Hazardous	16200	Kg Per Day	10800	Tons per Annum (TPA)	Steel plant	Shed	Will be given to nearby Brick manufacturers
Mill Scales	Non-Hazardous	4600	Tons per Annum (TPA)	1861	Tons per Annum (TPA)	Rolling Mill	Shed	Will be given to nearby Ferro Alloys Plants
Induction furnace Slag	Non-Hazardous	14760	Tons per Annum (TPA)	25560	Tons per Annum (TPA)	SMS Unit	Shed	Will be given to Road Contractors
Scraper Sludge	Non-Hazardous	4500	Tons per Annum (TPA)	3150	Tons per Annum (TPA)	SMS Unit	Shed	Will be given to Road Contractors
Kiln Accretion slag	Non-Hazardous	900	Tons per Annum (TPA)	750	Tons per Annum (TPA)	DRI Kilns	Shed	Will be given to Road Contractors
Cinder	Non-Hazardous	0	Tons per Annum (TPA)	1436	Tons per Annum (TPA)	Coal Gasifier Unit	Shed	Will be given to nearby Brick manufacturers
End Cuttings	Non-Hazardous	10400	Tons per Annum (TPA)	6876	Tons per Annum (TPA)	Rolling Mill	Shed	Will be reused in SMS unit

1.2.

Details of Waste management

1.2.1. Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed?	No
1.2.2. Whether Project has Membership of Common Secured Landfill Site?	No
1.2.3. Whether Project has Membership of Common hazardous waste incineration facility	No

2.

No Increase in Pollution Load certificates from the authorized environmental auditor and countersigned by Project Proponent

2.1. Authorized environmental auditor/Reputed Institution Empaneled by the SPCB/CPCB/MoEFCC	Institution Empaneled By the MoEFCC
2.2. Upload the Certificate of 'No Increase in Pollution' Load.	Aarathi NIPL Certificate 10-11-2023.pdf Preview

3.

Online Continuous effluent/emission Monitoring System

Quantity

							Date of connection to the servers of	
Attribute	Constituents	Date of installation	Details calibration of OCEMS	No. of time data exceeds the limit	Value Exceeded	Status of OCEMS functioning	CPCB	SPCB
Emissions	SMS -Pm Less Than 20 mg/Nm3	28/11/2022	last calibration 15/11/2022	0	0	Yes	04/12/2022	04/12/2022
Emissions	DRI - PM less than 50Mg/Nm3	03/08/2012	last calibration 16/07/2020	0	0	Yes	07/08/2012	04/12/2012

1. Additional Information

S. No.	Document Name	Remark	Document
1	Aarathi NIPL Certificate	Aarathi NIPL Certificate	Aarathi NIPL Certificate 10-11-2023.pdf Preview
2	Effluent management	Effluent management	Effluent management.pdf Preview
3	Solid waste Management	Solid waste Management	Solid waste Management.pdf Preview

S. No.	Document Name	Remark	Document
4	EC Copy	EC Copy	EC copy_.pdf Preview
5	CTO copy	CTO copy	CTO Aarti.pdf Preview
6	Hazrdous AUTHORIZATION	Hazrdous AUTHORIZATION	Hazrdous AUTHORIZATION.pdf Preview
7	Aarthi sponge Kml	Aarthi sponge Kml	Aarthi sponge Kml.kml Preview

1.Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information is found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost. In addition to the above, I hearby give undertaking that no activity/construction/expansion has been taken up

1.1. Name	Rajiv Mundra
1.2. Designation	Director
1.3. Company	AARTI SPONGE AND PRIVATE LIMITED
1.4. Address	Aarti Sponge and Private Limited
1.5. Date	14-11-2023