



File No: EC/SEIAA/2023-24/2895/2023

**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(Issued by the State Environment Impact Assessment**  
**Authority(SEIAA), JHARKHAND)**

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Date 15/05/2024



To,

Ashish Kumar Agrawal  
TULSHYAN METALS PRIVATE LIMITED  
Gajhandi Road, Gumo Jhumri Telaiya, District- Koderma, Jharkhand, Jhumri Telaiya, KODERMA,  
JHARKHAND, 825409  
tulshyanmetals6@gmail.com

**Subject:** Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

**Sir/Madam,**

This is in reference to your application submitted to SEIAA vide proposal number SIA/JH/IND1/469495/2024 dated 24/04/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

- |  |  |
|--|--|
| (i) EC Identification No.                  | EC24B1009JH5572483N  |
| (ii) File No.                              | EC/SEIAA/2023-24/2895/2023   |
| (iii) Clearance Type                       | Fresh EC   |
| (iv) Category                              | B1   |
| (v) Project/Activity Included Schedule No. | 3(a) Metallurgical Industries (ferrous and non ferrous),3(a) Metallurgical Industries (ferrous and non ferrous)  |
| (vii) Name of Project                      | Proposed project for Enhancement of MS Billet Production From 15,000 TPA to 148,500 TPA through 3x15T Induction Furnaces (by Replacing existing 1x6 T furnace with 1x15T & Installing additional 2x15T Furnaces along with CCM-2X2 Strand, Slag Crusher from 2400 TPA to 30,000 TPA capacity and TMT Bars & Rolled Products from 13,500 TPA To 144,210 TPA By Modernization of Existing Rolling Mill from 1x5TPH to 1x25 TPH Capacity along with Electroplating Unit of 20 TPD by M/s Tulshyan |

**(viii) Name of Company/Organization**  
**(ix) Location of Project (District, State)**  
**(x) Issuing Authority**  
**(xi) Applicability of General Conditions as per EIA Notification, 2006**

Metals Private Limite  
TULSHYAN METALS PRIVATE LIMITED  
KODERMA, JHARKHAND  
SEIAA  
No

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/ EIA & EMP Reports were submitted to the SEIAA for an appraisal by the SEIAA under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by SEIAA in the meeting held on . The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link [click here](#).
5. The brief about configuration of products and byproducts as submitted by the Project Proponent in orm-1 (Part A, B and C)/ EIA & EMP Reports / presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on , based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.
7. The SEIAA has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Environment Impact Assessment Authority(SEIAA) Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Ashish Kumar Agrawal under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
11. Validity of EC is upto 15/05/2024 to the start of production operations by the project or activity. Validity of EC becomes perpetual subject to the start of production operations by the project or activity on or before the [Project\_Date] In case the project proponent fails to start the production operations within the EC validity date, application for EC validity extension shall be submitted to the regulatory authority as per the provision contained in the Para 9.0 of EIA notification, 2006 and its amendment.
12. General Instructions:
- (a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- (b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.
- (d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be

kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

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

13. This issues with the approval of the Competent Authority

### **Copy To**

1. Principal Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District - Koderma, Jharkhand.
3. Divisional Forest Officer, Koderma Forest Division, Koderma, Jharkhand.
4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Regional Office, Ministry of Environment, Forest and Climate Change, Govt. of India, 2<sup>nd</sup> Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
7. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
8. Member Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
9. Website.
10. Guard file.

### **Annexure 1**

#### **Specific EC Conditions for (Metallurgical Industries (Ferrous And Non Ferrous))**

#### **1. This Project Does Not Contains: 1. No Forest Land Involve. 2. Out Side Of The Protected Area And Esz**

S. No	EC Conditions
1.1	<p><b>Statutory compliance:</b></p> <p>iii. The project proponent shall prepare a Site-Specific Conservation Plan &amp; Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area)</p> <p>iv. In the writ petition (Civil) no. 202/1995, T.N. Godaverman Thirumulpad vs union of India and ors. the Hon'ble Supreme Court passed an order dated 03.06.2022 " National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09th February, 2011 shall be strictly adhered to ".</p> <p><b>II. Air quality monitoring and preservation</b></p> <p>xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.</p> <p><b>III. Water quality monitoring and preservation</b></p> <p>ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.</p>



S. No	EC Conditions
	<p>iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&amp;CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.</p> <p><b>IV. Noise monitoring and prevention</b></p> <p><b>V. Energy Conservation measures</b></p> <p><b>VI. Waste management</b></p> <p>i. Used refractories shall be recycled as far as possible.</p> <p>ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces</p> <p>iv. The waste oil, grease and other hazardous waste shall be disposed of as per the</p> <p>v. Hazardous &amp; Other waste (Management &amp; Transboundary Movement) Rules, 2016.</p> <p>vi. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plant)</p> <p><b>VII. Green Belt</b></p> <p>i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant</p> <p>ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.</p> <p><b>VIII. Public hearing and Human health issues</b></p> <p>i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.</p> <p>ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.</p> <p><b>IX. Corporate Environment Responsibility</b></p> <p>i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.</p> <p>ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&amp;CC as a part of six-monthly report.</p> <p><b>X. Miscellaneous</b></p> <p>i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.</p> <p>ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.</p> <p>iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.</p> <p>iv. The project proponent shall monitor the criteria pollutants level namely; PMIO, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of</p>

S. No	EC Conditions
	<p>the company.</p> <p>v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.</p> <p>vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.</p> <p>vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.</p> <p>viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.</p> <p>ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.</p> <p>x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&amp;CC).</p> <p>xi. Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.</p> <p>xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.</p> <p>xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.</p> <p>xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.</p> <p>xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention &amp; Control of Pollution) Act, 1974, the Air (Prevention &amp; Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.</p> <p>xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.</p> <p><b><u>C. Other Conditions:</u></b></p> <p>i. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.</p> <p>ii. The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF&amp;CC, Govt. of India.</p> <p>In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required</p>

**Additional EC Conditions**

N/A

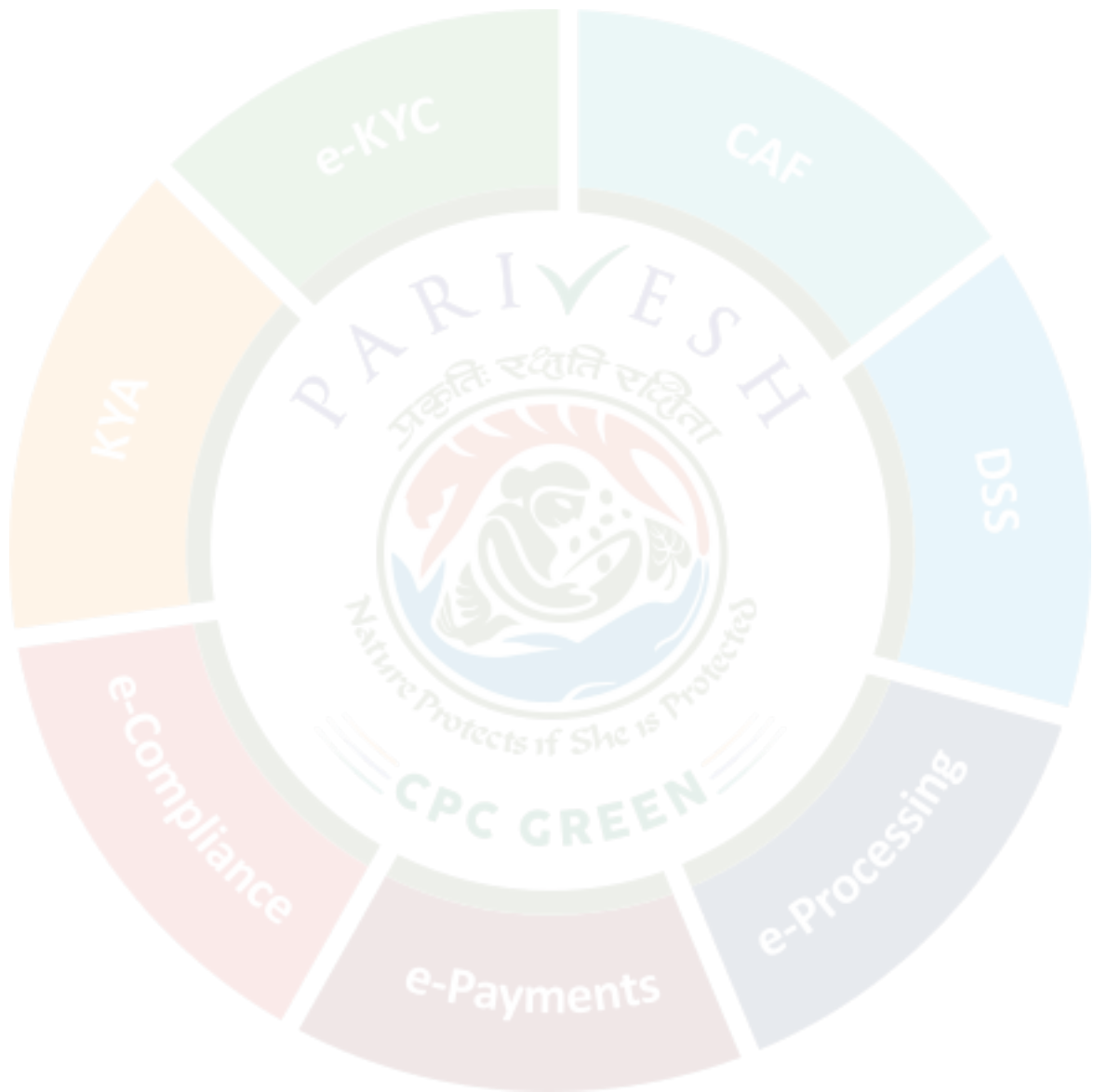
### Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Proposed project for Enhancement of MS Billet Production From 15,000 TPA to 148,500 TPA through 3x15T Induction Furnaces (by Replacing existing 1x6 T furnace with 1x15T & Installing additional 2x15T Furnaces along with CCM-2X2 Strand, Slag Crusher from 2400 TPA to 30,000 TPA capacity and TMT Bars & Rolled Products from 13,500 TPA To 144,210 TPA By Modernization of Existing Rolling Mill from 1x5TPH to 1x25 TPH Capacity along with Electroplating Unit of 20 TPD by M/s Tulshyan Metals Private Limite	
b.	Latitude and Longitude of the project site	24.43167592241484,85.48971590038458 24.43290347898602,85.49250707560752	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	1.09
		Forest Land (B)	0
		Total Land (A+B)	1.09
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	4300	
g.	EMP Cost (in lacs)	125	
h.	Employment Details		

### Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
MS Billet	Product	15000	133500	148500	Tons per Annum (TPA)	Road
TMT Bar & Rolled	Product	13500	130710	144210	Tons per Annum	Road

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Products					(TPA)	
Slag Crusher	By-Product	2400	27600	30000	Tons per Annum (TPA)	Road





**State Level Environment Impact Assessment Authority, Jharkhand.**

Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi. Jharkhand-834 004.

**E-mail: [msseiaa.jhk@gmail.com](mailto:msseiaa.jhk@gmail.com)/[chr-seiaajhr@gov.in](mailto:chr-seiaajhr@gov.in)**

**website: [www.jseiaa.org](http://www.jseiaa.org)**

Letter No.- **EC/SEIAA/2023-24/2895/2023/**

Ranchi, Date:

**To: M/s Tulshyan Metals Private Limited,  
Shri Ashish Kumar Agrawal (Director),  
Gajhandi Road, Gumo Jhmri Telaiya,  
District : Koderma, Jharkhand : 825409.**

**Sub.: Environmental Clearance for the project “Enhancement of Production of MS Billet from 15,000 TPA to 1,48,500 TPA through 3x15 T Induction Furnaces (by Replacing existing 1x6 T furnace with 1x15 T & Installing additional 2x15 T Furnaces along with CCM – 2x2 Strand), Slag Crusher from 2400 TPA to 30,000 TPA capacity and TMT Bars & Rolled Products from 13,500 TPA to 1,44,210 TPA by Modernization of Existing Rolling Mill from 1x5 TPH to 1x25 TPH capacity along with Electroplating unit of 20 TPD by M/s Tulshyan Metals Private Limited, Village : Gajhandi Road, Gumo Jhumri Telaiya, P.S. : Koderma, Dist. : Koderma, Jharkhand” (Proposal No. : SIA/JH/IND1/469495 /2024) – regarding.**

**Ref:** Your application no. Nil, dated - 24.04.2024.

Sir,

It is in reference to the project “Enhancement of Production of MS Billet from 15,000 TPA to 1,48,500 TPA through 3x15 T Induction Furnaces (by Replacing existing 1x6 T furnace with 1x15 T & Installing additional 2x15 T Furnaces along with CCM – 2x2 Strand), Slag Crusher from 2400 TPA to 30,000 TPA capacity and TMT Bars & Rolled Products from 13,500 TPA to 1,44,210 TPA by Modernization of Existing Rolling Mill from 1x5 TPH to 1x25 TPH capacity along with Electroplating unit of 20 TPD by M/s Tulshyan Metals Private Limited, Village : Gajhandi Road, Gumo Jhumri Telaiya, P.S. : Koderma, Dist. : Koderma, Jharkhand”, submitted by you for seeking prior Environmental Clearances (EC).

This is an expansion project which has been taken for appraisal on 28.04.2024.

**Project Category : 3 (a) Metallurgical Industries (Ferrous & Non-Ferrous)** as per EIA Notification, 2006.

The State Expert Appraisal Committee, Jharkhand deliberated the project during its 107<sup>th</sup> meeting held on 16-20.08.2023 and SEIAA, Jharkhand has approved the ToRs in 108<sup>th</sup> meeting held on 27<sup>th</sup> & 28<sup>th</sup> August, 2023. TOR for the project was issued by SEIAA, Jharkhand vide letter no. EC/SEIAA/2023-24/2895/2023/252, date 01.09.2023. The final EIA / EMP submitted by PP to SEAC on 24.04.2024.



Cost of the existing facilities is Rs. 10.0 crore, the total estimated cost of the project after the proposed expansion will be Rs 43. Crore.

**Project Details:**

Sl. No	Parameters	Description
1	Identification of project	Project falls under Metallurgical Industries (secondary metallurgical processing) Item 3(a) of the schedule of EIA notification of Sept 14, 2006 issued by MOEF & CC.
2	Project Proponent	<b>M/S Tulshyan Metals Pvt. Ltd.</b>
3	Brief description of nature of the project	The Proposed production capacity of MS Billet From 15,000 TPA to 148,500 TPA through 3x15T Induction Furnaces (by Replacing existing 1x6T furnace with 1x15T & installing additional 2x15T Furnaces along with CCM-2X2 Strand, Slag Crusher from 2400 TPA to 30,000 TPA capacity and TMT Bars & Rolled Products from 13,500 TPA To 144,210 TPA By Modernization of Existing Rolling Mill from 1x5TPH to 1x25 TPH Capacity along with Electroplating Unit of 20 TPD.
4	<b>Salient Features of the Project</b>	
4.1	Proposed production capacity	The production capacity of final/end product will be ~148500 TPA of MS Ingot/ billets and 144210 TPA of TMT Bars & Rolled products/Rods etc., Slag crusher 30,000 TPA.
4.2	Total Plot Area	Total Plot Area –2.70 Acre
4.3	Location	Gajhandi Road, Gumo, Jhumri Telaiya, District- Koderma, Jharkhand.
4.4	Water requirement	Water will be drawn from Bore well (after getting proper permission from CGWA) total process water requirement will be 233 KLD while 171 KLD will be recirculated and only 69 KLD water will be used as make up water. The plant has already taken ground water NOC vide application no. CGWA NOC no-CGWA/NOC/IND/ORIG/2023/18475 dated 12/05/2023. Permission is valid upto 10/05/2026.
4.5	Source of water	Borewell
4.6	Wastewater	The domestic water consumption will result in generation of ~2.5 m3/day of domestic wastewater. The wastewater will be treated and entirely reused.
4.7	Man Power	100 people

Sl. No	Parameters	Description
4.8	Electricity/Power requirement	The electrical power requirement will increase to ~22000 KVA. The power requirement will be met through DVC. One DG set of 250 KVA already installed (as power back-up).
4.9	Alternative site	The proposed addition will be established in the existing plant premises only.
4.10	Land form, Land use and land ownership	Private land, owned by M/S Tulshyan Metals Pvt. Ltd

**Land Details:**

Khata No.	Plot No.
97	104
34	105
100	103

**Latitude & Longitude of the project:**

Sl No.	Latitude	Longitude
1	24°25'57.894"N	85°29'23.137"E
2	24°25'57.668"N	85°29'24.942"E
3	24°25'58.683"N	85°29'25.122"E
4	24°25'58.300"N	85°29'27.378"E
5	24°25'57.510"N	85°29'27.333"E
6	24°25'56.653"N	85°29'30.515"E
7	24°25'55.953"N	85°29'33.109"E
8	24°25'54.284"N	85°29'32.207"E
9	24°25'55.592"N	85°29'27.897"E
10	24°25'56.472"N	85°29'23.295"E

Plant obtained CTE from Jharkhand State Pollution Control Board (JSPCB) vide letter no JSPCB/HO/RNC/CTE- 10604394/2021/240 dated 27.09.2021.

Consent to operate (CTO) vide Ref No. JSPCB/HO/RNC/CTO-14799109/2023/1732, dated 16.10.2023 with validity upto 30.09.2024 for the establishment of production of MS Billets with CCM-15000 TPA, Slag crusher-2400 TPA and rolled products (TMT Bars, angles, squares, structural products)-13500 TPA.

*Signature*

*Signature*

*Signature*

### Configuration and Production Capacities of the existing & Proposed Units

Sl. No	Plant Facilities	Existing Installed Units and Capacity		Proposed Units and Capacity		Total after Expansion	
		Unit	Capacity	Unit	Capacity	Unit	Capacity
1.	Induction Furnace	1x6T	15,000 TPA MS Billets	Replacement of existing 1x6T by 1X15T and additional 2X15T	148500 TPA MS Billets	3X15T	<b>Hot MS Billets 148,500 TPA</b>
2.	Continuous Casting Machine	1x2 strand, Rad.- 4/7		1x2 strand Rad.- 4/7		2X2 strand Rad.- 4/7	
3.	Rolling Mill	1x5 TPH	13500 TPA	Modernizing the existing Rolling Mill from 1x5 TPH to 1x25 TPH	144210 TPA TMT Bars & Rolled Products/Rods etc.	1x25 TPH	<b>144,210 TPA TMT Bars &amp; Rolled Products/rods etc.</b>
4.	Slag Crusher	--	2400 TPH	Replacement of existing facility by 1x10 TPH	30,000 TPA	--	<b>30,000 TPA</b>
5.	Electroplating unit	--	--	1*20 TPD	20 TPD	1X20 TPD	<b>20 TPD</b>

### Salient Features of the Project existing & proposed

Sl no	Particulars	Existing	Proposed	After expansion final
1.	<b>Unit processes/ machinery</b>			
a	<b>Induction Furnace/ Continuous Casting Machine</b>	1x6T CCM 1x2 strand, Rad. - 4/7 15000 TPA M.S Billet	Replacement of existing 1x6T by 1x15T and additional 2x15T 1x2 strand, Rad. - 4/7	1,48,500 TPA MS Billets

b	<b>Rolling Mill</b>	13500 TPA 1x5TPH	Modernizing the existing Rolling mill from 1X5 TPH to 1x25TPH	144,210T PA TMT Bars & Rolled Products/ Rods etc.
d	<b>Slag Crusher</b>	2400 TPA	Replacement of existing facility	30,000 TPA
			By 1x10 TPH	
e	<b>Electroplating Unit</b>	--	1*20 TPD	1*20 TPD
2	<b>Fixed capital investment (Rs)</b>	~10Cr	~33Cr	~43Cr
3	<b>Electrical power requirement</b>	~4500 KVA	~17500 KVA	~22000 KVA
4	<b>Sponge iron</b>	44 TPD	452 TPD	452 TPD
5	<b>Ferro-alloys</b>	1.0 TPD	11 TPD	11 TPD
6	<b>MS Scrap/Pig iron</b>	10 TPD	95TPD	95TPD
7	<b>Ingots/billets (Only for rolling)</b>	41 TPD	450 TPD	450 TPD
8	<b>Manpower requirement</b>	~40	~60	~100
9	<b>Makeup Water requirement</b>	10 m3 /day	~ 20 m3 /day	~ 30 m3 /day
10	<b>Domestic water requirement</b>	~2.0 m3/day	~ 3.0 m3/day	~5.0 m3/day
11	<b>Domestic wastewater generation</b>	~1.6 m3/day	~2.4 m3/day	~4.0 m3/day
12	<b>Solid Waste Slag Mill Scale</b>	Slag: 8.0 TPD Mill Scale: 0.4 TPD	Slag: 90 TPD Mill Scale: 4.0 TPD	Slag: 90 TPD Mill Scale: 4.0TPD

20/11

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13	<b>Bag Filter Dust from the process</b>	30 TPA	~297TPA	~297 TPA
14	<b>APCD- Bag-House Filter</b>	01	01	01
15	<b>Fuel</b>	HSD- DG sets		
16	<b>ETP</b>	10 KLD		

#### Proposed Raw Materials Details

Sl no.	Raw Materials	Existing Requirement	Total Requirement after Expansion
1	Sponge iron	44 TPD	452 TPD
2	Ferro-alloys	1 TPD	11 TPD
3	MS Scrap +Pig iron	10 TPD	95TPD

#### Existing & Proposed Configuration and Production - Rolling Mill

Sl. No	Plant Facilities	Existing Installed Units and Capacity		Proposed Units and Capacity		Total after Expansion	
		Unit	Capacity	Unit	Capacity	Unit	Capacity
1.	Rolling Mill	1X5 TPH	13500 TPA	Modernizing the existing Rolling mill from 1X5 TPH to 1x25TPH	144,210 TPA TMT Bars & Rolled Products/Rods etc.	1x25TPH	<b>144,210 TPA TMT Bars &amp; Rolled Products/Rods etc.</b>

#### Raw Materials Details- Rolling Mill

Raw Materials	Existing	Total After Expansion
<b>M.S Billet</b>	41TPD	450 TPD

### Raw Materials Requirement After Expansion

Raw Materials	Total Requirement After Expansion (TPD)	Source
<b>MS Billets Production</b>		
Sponge Iron	~452 TPD	Local Plants in Koderma. Through Road
Ferro-alloys	~11 TPD	Plants in Asansol. Through Road
MS Scrap/Pig Iron	~95TPD	Scrap- In-house & nearby Plants. Through Road Pig iron- Local Plants in Koderma Through Road
<b>Rolling Mill – Angle, Flat Etc.</b>		
Hot Billets/M.S. Billets	<b>450 TPD</b>	<b>Billets will be used for in-house rolling mill</b>
<b>Electroplating Machine</b>		
Zinc	20kg/day	Open Market
HCL	20lpd	Open Market
Salt	1 liter per tone	Open Market

#### Water Balance:

Particulars	Existing (KL)	Proposed (KLD)	Total after expansion (KLD)
Total water	31	202	233
Recirculated	17	154	171
Makeup	15	54	69

Sl. No	Units	Existing (KLD)			Total (KLD) after expansion		
		Total (KL)	Recirculated (KLD)	Makeup (KLD)	Total (KL)	Recirculated (KLD)	Makeup (KLD)
1	Induction Furnace	18	14	4	135	115	27

2.	CCM	5	0	5	5	0	5
2	Rolling Mill	5	2	3	40	20	20
3	Slag Caster	1	0	1	10	0	10
4	Domestic	2	0	2	3	0	3
5	Electroplating unit	0	0	0	40	36	4
	<b>Total</b>	<b>31</b>	<b>17</b>	<b>15</b>	<b>233</b>	<b>171</b>	<b>69</b>

#### Industrial Solid waste and Hazardous waste

Units	Solid Wastes	Qty	Disposal practice
Induction Furnace	Slag	~90 TPD	In-house metal recovery in slag crusher and supplied outside for further reuse in construction work.
	Broken Refractory	900kg/day	Bricks manufacturer and Paver blocks manufacturers Sabka Malik Ek Enterprise P.O.-Chirkunda, Dist- Dhanbad
Rolling Mill	Mill Scale	4 TPD	Will be charged back as scrap in the induction furnace for In-House Reuse.
Softening plant	Sludge	4kg/month	Reuse within the plant for earthing.
Industrial Manpower	MSW	45 kg/day	Local municipal suppliers

There is no hazardous waste from the plant except for used oil (approx. 0.2 KL/year) from equipment, which will be stored properly as per norms and is saleable to the registered recyclers in the market.

#### Green Belt :

The total greenbelt area is 40%. A greenbelt development plan will be prepared and implemented for the expansion project. Due to non availability of sufficient land within the industrial premises, the PAs have proposed to developed green belt in the land adjacent the project premises own by him.

#### Water Management (Source and Supply of Water) :

The water will be stored in respective recirculation tanks for continuous recycle. The water losses, due to spillages and evaporation, will be constantly made-up by adding fresh water. Total cooling water make-up requirement will be about 60 m<sup>3</sup>/day. Out of this, the RO treated water requirement will be about of 36 m<sup>3</sup>/day (resulting in reject generation @ 5 m<sup>3</sup>/day). Industry will need a maximum of 5.0 m<sup>3</sup>/day of fresh water for domestic use. A part of the sanitation water requirement will be met from reuse of RO plant reject water.

#### Sewerage System :

The domestic water consumption will result in generation of ~4.0 m<sup>3</sup>/day of domestic wastewater. The wastewaters will be treated and entirely reused. The effluent generated will be treated in the ETP of capacity 10 KLD.

#### Public Hearing Budgeting Plan

S. No	Area of Concern	Activities	Year of Implementation (Budget in INR)					Total Expenditure (Rs.)
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	
01.	Vocational Training for Skill Development	The project proponent will provide financial support to the 50 students /year. (Rs. 20000X50 person X5 years)?? We should also mention the type of students	10.0 Lakhs	10.0 Lakhs	10.0 Lakhs	10.0 Lakhs	10.0 Lakhs	50.0 Lakhs
02.	Medical Facility	Generic health checkup camp will be organized for villagers within 2 km of the project site till the upcoming 5 years from the execution date of the project	2.0 Lakhs	2.0 Lakhs	2.0 Lakhs	2.0 Lakhs	2.0 Lakhs	10.0 Lakhs
	Green Belt Development	Tree plantation with Gabion along road side in nearby village.	10.0 Lakhs					10.0 Lakhs
0.3	Community	Installation of solar lighting in	--	5.0	5.0	--	--	10.0Lakhs



	Development village Gumo (Rs. 25,000 x 40) Nos.) &		Lakhs	Lakhs			
	Renovation of School building and Smart Class room with Wi-Fi connectivity in nearby Government Schools in Village Gumo	--	17.5 Lakhs	--	--	--	17.5 Lakhs
	Construction of 4+4 nos. of Borewell along with overhead water tanks in village Gumo & Diodih			10.0 Lakhs			10.0 Lakhs
	<b>Total</b>	<b>22.0</b>	<b>34.5</b>	<b>27.0</b>	<b>12.0</b>	<b>12.0</b>	<b>107.5</b>
		Lakhs	Lakhs	Lakhs	Lakhs	Lakhs	

#### EMP budget plan

Sl. No.	Title	Capital Cost Rs. Lacs	Recurring Cost Rs. Lacs (Annum)
1	Air Pollution Control	60.00	15.00
2.	Effluent Treatment Plant	15.00	6.00
3.	Noise Pollution Control (Including cost of Landscaping, Green Belt)	10.00	2.00
4.	Solid Waste Management	5.00	2.00
5.	Environment Monitoring and Management (Including Establishment of Laboratory)	15.00	0.5
6.	RWH Pond	15.00	2.00
7.	Miscellaneous (Appointment of Consultants, occupational health & safety measure)	5.00	1.0
8.	Public Hearing Budget Plan	0	107.5
	<b>Total</b>	<b>125</b>	<b>136</b>

**STATUTORY CLEARANCES:**

1	Lease docs	:	Private land, owned by M/s Tulshyan Metals Private Limited.
2	DFO Forest Distance	:	DFO, Koderma Division vide letter no. 2498, dated 10.06.2023 certified that the distance of reserved/protected forest is 270 m from project site.
3	DFO Wildlife	:	DFO, Wildlife Hazaribagh vide letter no. 1670, dated 03.08.2023 certified that proposed project site is outside Eco Sensitive Zone of Koderma Wildlife Sanctuary.
4	CO certificate	:	The CO, Koderma vide letter no. 851, dated 13.05.2023 has mentioned the plot no. of the project is not recorded as “Jangle Jhari” in R.S. Khatyan.
5	Consent to Establish (CTE)	:	<b>CTE</b> issued by JSPCB vide Ref. no. : JSPCB/HO/RNC/CTE-10604394/2021/240, dated 27.09.2021.
6	Consent to Operate (CTO)	:	<b>CTO</b> issued by JSPCB vide i. Ref. no. : JSPCB/HO/RNC/CTO-11520314/2022/137, dated 04.02.2022. ii. Ref. no. : JSPCB/HO/RNC/CTO-14799109/2023/1732, dated 16.10.2023.
7	CGWA	:	No Objection Certificate (NOC) for Ground Water Abstraction issued by CGWA vide NOC no. CGWA/NOC/IND/ORIG/2023/18475, dated 12.05.2023 valid up to 10.05.2026.
8	Baseline monitoring report	:	1 <sup>st</sup> March, 2023 to 31 <sup>st</sup> May, 2023.
9	Public Hearing	:	Public Hearing conducted on 12.01.2024.

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its **111<sup>th</sup>** meeting held on **26<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup>, 29<sup>th</sup> and 30<sup>th</sup> April, 2024**.

State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its **111<sup>th</sup>** meeting held on **06<sup>th</sup> & 07<sup>th</sup> May, 2024** discussed the project proposal along with recommendations made by SEAC and decided to grant EC to the project.

Following the decision of SEIAA, as mentioned above, Environmental Clearance is hereby issued to the **“Enhancement of Production of MS Billet from 15,000 TPA to 1,48,500 TPA through 3x15 T Induction Furnaces (by Replacing existing 1x6 T furnace with 1x15 T & Installing additional 2x15 T Furnaces along with CCM – 2x2 Strand), Slag Crusher from 2400 TPA to 30,000 TPA capacity and TMT Bars & Rolled Products from 13,500 TPA to 1,44,210 TPA by Modernization of Existing Rolling Mill from 1x5 TPH to 1x25 TPH capacity along with Electroplating unit of 20 TPD by M/s Tulshyan**

**Metals Private Limited, Village : Gajhandi Road, Gumo Jhumri Telaiya, P.S. : Koderma, Dist. : Koderma, Jharkhand”** alongwith the following specific conditions as recommended by SEAC.

**I. Specific Conditions :**

1. This Environmental Clearance is valid subject to the following condition below –  
That this project has-
  - a. Obtained all legal rights to operate at concerned place.
  - b. Complied with all existing concerned laws of the land and
  - c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.
2. **MoU is to be executed with the buyers and User Agency for the use refractory material before this expansion project comes into operation. Copy of MoU to be submitted SEIAA / SEAC, Jharkhand before expansion project comes into operation.**
3. **Ground water to be drawn for use in the project only after obtaining permission from the Competent Authority.**
4. **Environment management system including organization structure to be drawn to ensure compliance of EC conditions stipulated based on principles of Continual Improvement and periodical management review.**
5. **All raw material to be stored only under covered shed.**
6. **PAs to offset (upto 20%) consumption of conventional energy sources by promoting use of solar energy, passive energy utilization, optimum fenestration, shading effect and heat islands.**
7. **Developers to promote energy conservation measures such that it offsets not less than 02 % of connected load. It is to be achieved by solar panels etc meeting ECBC norms.**
8. **Trees should be developed & maintained not less than 33% of project area.**
9. **Developers/Company to install STP of sufficient capacity such that all the sewer produced is treated and reused.**
10. **Developers/Company to install Rain water harvesting structures such that all the roof top water runoff is collected and harvested including reuse on 100% basis.**
11. **Developers/Company to conduct and submit carbon footprint and carbon sequestration study report including mitigation measures as a part of EC compliance.**
12. **MSW Collection centre should be located in isolated and preferably unmanned area. Movement of the vehicle carrying waste should be under tarpaulin covered condition only. Route of vehicle should be such that it avoids residential areas as far as practical.**
13. **Suitable plants of not less than 2 M height to be planted equal to twice the area of saplings proposed in Safety zone. This is to be planted in land available near mines and outside safety zone. This will be in addition to plantation in safety zone. Newly planted saplings to be maintained for minimum 3 years with Geo-Tagged photographs.**

## II. Statutory Compliance :

1. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
4. In the writ petition (Civil) no. 202/1995, T.N. Godaverman Thirumulpad vs union of India and ors. the Hon'ble Supreme Court passed an order dated 03.06.2022 " National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09th February, 2011 shall be strictly adhered to".
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
7. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
8. No mining/activity shall be undertake in the forest land or deemed forest without obtaining requisite prior forestry clearance.
9. This Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, MoEF & CC and any other Court of Law, if any, as may be applicable to this project.
10. Environmental clearance is subject to obtaining prior clearance from forestry and Wildlife angle including clearance from standing committee of NBWL, as may be applicable to this project (in case any fauna occurs / is found in the Project area or if the area involves forest land or Wildlife habitat i.e. core zone of elephant/tiger reserve etc. and or located with in 10 km. of protected area).

The project proponent may apply simultaneously for forest and NBWL clearance, in order to complete the formalities without undue delay, which till process on their respective merits, no rights will vest in or accrue to them unless all clearance are obtained.





### III. Air quality monitoring and preservation :

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31<sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
3. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)
4. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
6. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after *briquetting* agglomeration.
9. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
10. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
11. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
12. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

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#### IV. Water quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF / EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous).
2. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
4. Adhere to 'Zero Liquid Discharge'.
5. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
6. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31<sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time.
7. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
8. The project proponent shall practice rainwater harvesting to maximum possible extent.
9. The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

#### V. Noise monitoring and prevention:

1. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
2. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.



## **VI. Energy Conservations measures:**

1. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets/blooms as far as possible.
3. Ensure installation of regenerative type burners on all reheating furnaces.
4. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
5. Provide the project proponent for LED lights in their offices and residential areas.

## **VII. Waste Management:**

1. Used refractories shall be recycled as far as possible.
2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
3. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
5. Kitchen waste shall be composted or converted to biogas for further use. *(to be decided on case to case basis depending on type and size of plant).*

## **VIII. Green Belt:**

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
2. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.

## **IX. Public Hearing and Human Health issues:**

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The

housing may be in the form of temporary structures to be removed after the completion of the project.

**X. Corporate Environment Responsibility:**

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.
5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
6. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
7. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

**XI. Miscellaneous:**

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.





3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11. Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
14. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
15. The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their

amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

## **XII. Other Conditions:**

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF&CC, Govt. of India.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.

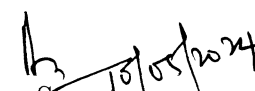
Sd/-  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand.

Memo No.- EC/SEIAA/2023-24/2895/2023/ 57

Dated: 10.05.2024

Copy to:

1. Principal Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District - Koderma, Jharkhand.
3. Divisional Forest Officer, Koderma Forest Division, Koderma, Jharkhand.
4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Regional Office, Ministry of Environment, Forest and Climate Change, Govt. of India, 2<sup>nd</sup> Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
7. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
8. Member Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
9. Website.
10. Guard file.

  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand  
