



सत्यमेव जयते

File No: IA-J-11011/172/2022-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 04/09/2023



To,

M/s Rathi Bars Limited
A-24/7, Mohan Co-operative Industrial Estate
Main Mathura Road, New Delhi, 110044
Email: rishiksharma15@gmail.com

Subject: Existing Rolling mill for manufacturing of MS Ingots/Billets of 68,400 TPA (228TPD), MS CTD/TMT Bars of 90,000 TPA (300TPD) and Induction Furnace- 2 Nos of 8 Ton/Heat each, Re-Heating Furnace -25 Ton/Hr by M/s Rathi Bars Limited, located at Plot No. SP-7, Khushkhhera, RIICO Industrial Area, Tehsil- Tijara, District- Alwar, Rajasthan – Grant of Environmental Clearance as per provisions of Notification 20.07.2022-regarding.

Sir/Madam,

This refers to your proposal no. IA/RJ/IND1/428212/2023 dated 07.06.2023 along with copy of EIA/EMP report, Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 and Notification dated 20.07.2022 for the project mentioned above. Further, the PP has uploaded the information on portal on 17.07.2023.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A1010RJ5309341N
(ii) File No.	IA-J-11011/172/2022-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous)
(vi) Sector	Industrial Projects - 1 Rathi Bars Limited-" Existing Rolling mill for manufacturing of MS Ingots/Billets of 68,400 TPA (228TPD), MS CTD/TMT Bars of 90,000 TPA (300TPD) and Induction Furnace- 2 Nos of 8 Ton/Heat each, Re-Heating Furnace -25 Ton/Hr"
(vii) Name of Project	located at Plot No. SP-7, Khushkhhera, RIICO

	Industrial Area, Tehsil- Tijara, District- Alwar, Rajasthan.
(viii) Name of Company/Organization	M/s RATHI BARS LIMITED
(ix) Location of Project (District, State)	ALWAR, RAJASTHAN
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at S. No. **3(a) Metallurgical Industries (Ferrous and Non/ferrous) under Category "A"** of the schedule of the EIA Notification, 2006 and attracts general condition due to Inter-state boundary of Rajasthan & Haryana lies at a distance 2.15 Km, NNW and also the project lies in critically polluted area (CPA-Khushkhera), therefore, appraised at Central Level.

4. The instant Proposal was considered in the **37th meeting of the EAC for Industry-I sector held during 26th June, 2023 wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions.** The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>. The PP has uploaded the information on Parivesh portal on 17.07.2023.

5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are enclosed at **Annexure-I**.

6. The Unit configuration and capacity of the proposed project is enclosed at **Annexure-II**.

7. The EAC, in its meeting held during **26th June, 2023**, inter-alia, deliberated the following:

(i). The instant proposal is for regularization of the existing project of Rolling Mill having capacity of MS Ingots/Billets of 68,400 TPA (228TPD), MS CTD/TMT Bars & MS Round of 90,000 TPA (300TPD), Induction Furnace- 2 Nos of 8 Ton/Heat each, Heating Furnace -25 Ton/Hr.

(ii). The proposal is for regularization of existing unit in compliance of MoEF&CC letter no. F. No.-IA-J-11013/24/2022-IA-II(I) dated 13.04.2022 to Rajasthan State Pollution Control Board and order of Hon'ble National Green Tribunal in O.A. no. 55/2019(WZ) in matter of Gajubha Jesar Jadeja vs Union of India & Ors. dated 12.02.2020 & Letter no. F. No. - IA-J-11013/24/2022-IA-II(I) dated 13.04.2022.

(iii). The Commission for Air Quality Management in National Capital Region and Adjoining Areas is opinion that air pollution is generated in the reheating furnaces of the Steel rolling mills and therefore made compulsory the use of clean fuel to control air pollution and improve air quality. Commission has issued various direction in GNCTD & NCR to switch over on PNG/LSHS (Low Sulphur Heavy Stock) by 30.09.2022.

(iv). The Ministry has issued a notification on 20th July 2022 and directed that all the standalone re-rolling units or cold rolling units, which are in existence and in operation as on the date of this notification, with valid CTE and CTO from the concerned SPCB/PCC, shall apply online for grant of Terms of Reference (ToR) followed by Environment Clearance and the said units shall be granted Standard Terms of Reference and shall be exempted from the requirement of public consultation, Provided that the application for the grant of ToR shall be made within a period of one year i.e. up to 19th July 2023.

(v). The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

(vi). The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

(vii). The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

(viii). The existing project was accorded, initially, Consent to Establish vide letter no RPCB/R.O./BWD/0-173/2206-2208 dated 18.12.1997. The proposal is applied first time for obtaining Environmental Clearance as previously the project of Rolling Mill was not covered under the purview of Environmental Clearance under EIA Notification 2006. (Secondary metallurgical processing industries with Production \leq 60,000 TPA). Consent to Operate (Latest) for the existing unit was accorded by Rajasthan State Pollution Control Board vide letter no. F(CPM)/Alwar(Tijara)/3962(1)/2018-2019/260-262 dated 18.04.2023. The validity of CTO is up to 30.06.2026.

(ix). The EAC noted that the instant project comes under Critically Polluted Area (CPA). PP has committed the proposed mitigation measures and also submitted detailed action plan as detailed in para 37.2.19 above. The EAC is of the opinion that the mitigation plans shall be strictly implemented.

(x). The total project area is 35,100 Sq.m. (3.51Ha) which is under the possession of the project proponent. Land is already Industrial in nature due to existing operations of the plant.

(xi). The nearest habitation is Khushkhera which is at a distance of 1.22 km in South-West direction of the project site. The EAC is of the opinion that PP shall strictly implement the environmental safeguard measures proposed to minimise the impact on the habitation of the locals.

(xii). The Sahibi River and other water bodies exists nearby of the project site. Also, there are other water bodies within the study area of 10 km of the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented.

(xiii). Total one time water demand is 178 KLD, out of which 65 KLD is supplied from Ground Water (65.0 KLD is drawn from ground water with permission from CGWA). Out of which 54 KLD is for Industrial water demand, 11KLD is for Domestic water demand and recycled water 113 KLD is used for Quenching & Cooling.

(xiv). The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and is of the opinion that PP shall strictly implement the mitigation measures as per the submitted action plans to minimise the pollution. Also, as committed M/s. Rathi Bars Limited shall install CEMS/CAAQMS within three months from 26.06.2023.

(xv). The PP has submitted that existing green area has been developed is 14162 Sq.m. (41.62%) out of which green area developed inside the premises is 11,600 Sq.m. (33.04%) & the rest is developed in area of 3012.4 Sq.m (8.58%) {i.e. area is developed outside the Factory -894Sq.m.(2.55%) & the Road Divider connecting Khushkhera Thane to TMT chowk -1548.4Sq.m. (4.41%) and remaining developed at the park of RIICO industrial area with an area of 570sq.m. (1.62%) at open land near Plot No. G1-273 to 274 with vide letter No. U(17)/2022-23/1453 dated 03.08.2022} in the impact zone of the project. The EAC deliberated on the greenbelt action plan along with the budget earmarked and is of the opinion that as committed, the greenbelt shall be maintained in atleast 40% area within and outside the plant premises.

(xvi). The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

(xvii). The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues as per socio economic survey for development of nearby area and found it satisfactory.

(xviii). The EAC deliberated on certified compliance obtained from SPCB and is of the opinion that as per observations of RO, PP shall comply with installation of PTZ/CCTv camera.

(xix). The EAC also deliberated on the submitted written representation of project proponent and found it satisfactory.

(xx). The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

(xxi). The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

(xxii). The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its **37th meeting held during 26th June, 2023**, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s Rathi Bars Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general EC conditions **[as per Annexure III]**.

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

12. 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.

13. 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.

14. This issues with approval of the competent authority.

(Dr. R. B. Lal)
Scientist 'F'/Director

Tel: 011-20819346

Email-rb.lal@nic.in

Encl. as above

Copy To

1. The Principal Secretary, Environment & Forests Department, Government of Rajasthan, Secretariat, Jaipur (Rajasthan).
2. Principal Chief Conservator of Forests, (HOFF), Aranya Bhawan, MG Road, Jhalana Institutional Area, Jaipur, Rajasthan 302 004.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Jaipur, A-209 & 218, Aranya Bhawan, Mahatma Gandhi Road, Jhalana Institutional Area, Jaipur – 304002, Rajasthan.
5. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
6. The Member Secretary, Rajasthan State Pollution Control Board, 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur (Rajasthan).
7. Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. District Collector, Alwar, Rajasthan.
10. Guard File/Monitoring File/ Parivesh Portal /Record File.

(Dr. R. B. Lal)
Scientist 'F'/Director

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Annexure 1

Additional EC Conditions

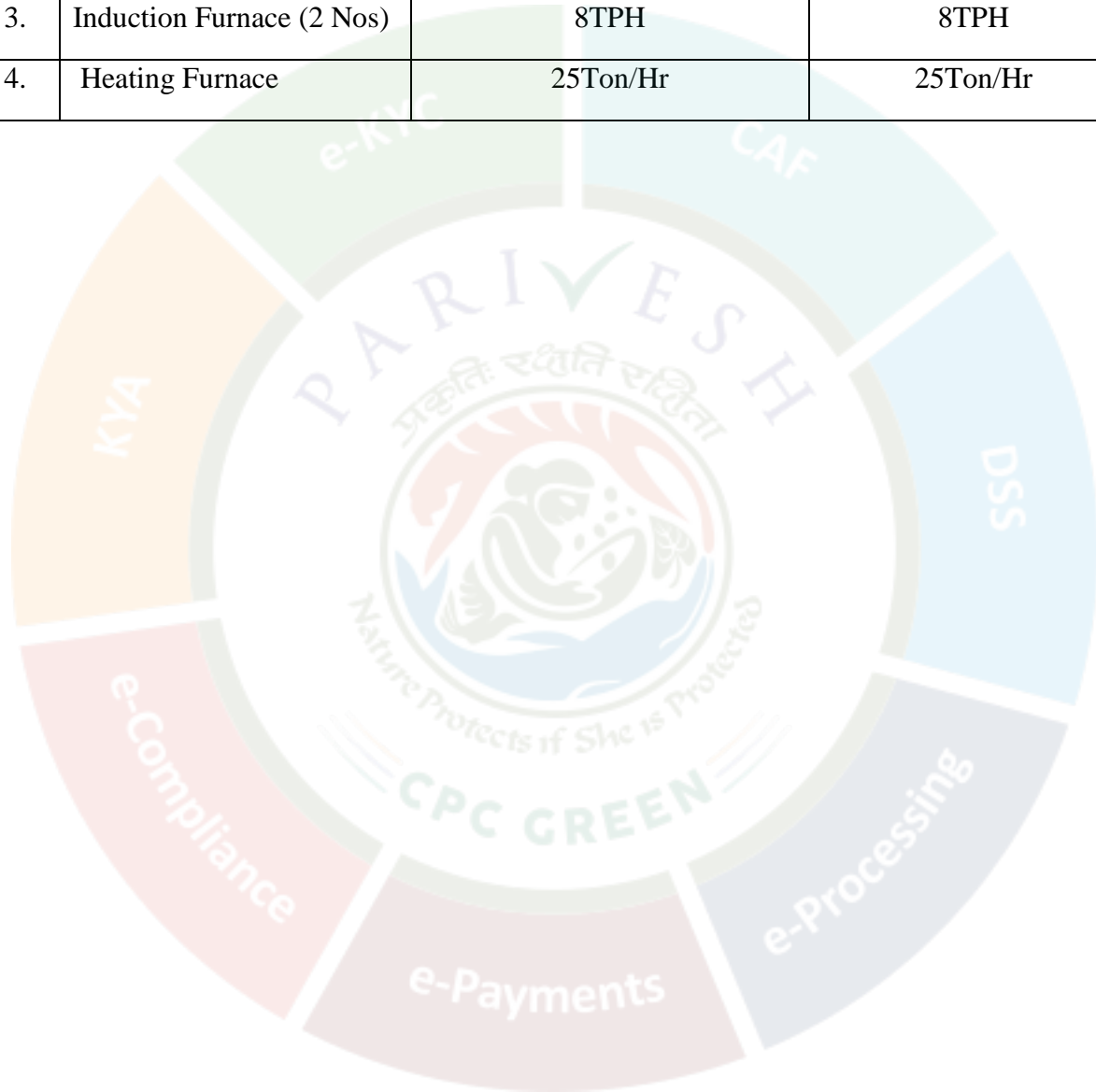
The Specific and General EC conditions are enclosed herewith.

Annexure 2

S. No.	Particulars	Details			
a.	Terms of Reference for undertaking EIA study	29.08.2022			
b.	Period of baseline data collection	March, April & May-2022			
c.	Date of Public Consultation	The Public Hearing is exempted as per MOEF&CC Notification S.O. 3250(E), New Delhi, 20 th July, 2022			
d.	Action plan to address the PH issues	An amounts of Rs 1.48 Cr have been earmarked for action plan. Detail of activities proposed attached as Annexure IV .			
e.	Location of the project	Plot No. SP-7, Khushkhera, RIICO Industrial Area, Tehsil-Tijara, District- Alwar, Rajasthan			
f.	Latitude and Longitude of the project site	Pillars	Latitude	Longitude	
		A	28° 7'37.66"N	76°47'19.71"E	
		B	28° 7'32.25"N	76°47'17.64"E	
		C	28° 7'34.44"N	76°47'9.71"E	
		D	28° 7'39.10"N	76°47'11.28"E	
		E	28° 7'38.28"N	76°47'13.29"E	
		F	28° 7'37.43"N	76°47'15.84"E	
		G	28° 7'38.16"N	76°47'16.30"E	
		H	28° 7'38.92"N	76°47'16.70"E	
		I	28° 7'38.07"N	76°47'16.76"E	
		J	28° 7'37.56"N	76°47'18.24"E	
K	28° 7'38.01"N	76°47'18.46"E			
g.	Total land	3.51Ha) -RIICO Industrial land.			
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Land is under the possession of the company and already converted for industrial use by RIICO. (RIICO Industrial Area)			
i.	Existence of habitation & involvement of R&R, if any	Land is already converted for industrial use. (RIICO Industrial Area) there is no habitation in the existing area, therefore rehabilitation & resettlement plan is not required/ applicable.			
		Project site: RIICO Industrial Area, Khushkhera			
		Habitation	Distance (km)	Direction	
	Khushkhera	1.22	SW		
j.	Elevation of the project site	The highest and lowest elevation of the project site is 258 MSL and 256 MSL respectively.			
k.	Involvement of Forest land if any.	The proposed project does not involved/fall in any forest land.			
l.	Water body exists within the project site as well as study area	Project site: No natural water bodies exist within the project site.			
		Study Area: The following water body/ river is present in the study area			
		S. No.	Particulars	Distance (Km)	Direction

S. No.	Particulars	Details																																	
		Water Bodies																																	
		1.	Sahibi River	4.30	SW																														
		2.	Raliawas Distributary	8.14	WNW																														
		3.	Rattanpur Distributary	8.29	W																														
		4.	Chaondi Nadi	8.93	S																														
		5.	Garhi Bolni Distributary	9.20	WSW																														
		6.	Nikhari Distributary	9.84	NW																														
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	<p>Study area: Nil</p> <p>List of Reserved and protected forests: Are given in the following table.</p> <table border="1"> <thead> <tr> <th rowspan="2">S. No.</th> <th rowspan="2">Distance (Km) (From Project Boundary)</th> <th colspan="2">Direction</th> </tr> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Banvan P.F.</td> <td>5.69</td> <td>E</td> </tr> <tr> <td>2.</td> <td>Khori Kalan P.F.</td> <td>7.00</td> <td>ESE</td> </tr> <tr> <td>3.</td> <td>P.F. Near Village Banvan</td> <td>6.14</td> <td>NE</td> </tr> <tr> <td>4.</td> <td>Guwalda P.F.</td> <td>8.64</td> <td>ESE</td> </tr> <tr> <td>5.</td> <td>Banvan P.F. Near Village Jorlah</td> <td>8.37</td> <td>ENE</td> </tr> <tr> <td>6.</td> <td>Gondhan P.F.</td> <td>8.25</td> <td>NE</td> </tr> </tbody> </table>				S. No.	Distance (Km) (From Project Boundary)	Direction				1.	Banvan P.F.	5.69	E	2.	Khori Kalan P.F.	7.00	ESE	3.	P.F. Near Village Banvan	6.14	NE	4.	Guwalda P.F.	8.64	ESE	5.	Banvan P.F. Near Village Jorlah	8.37	ENE	6.	Gondhan P.F.	8.25	NE
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n.	Project cost	The capital cost of the existing project is Rs 95.2674 Crores																																	
o.	EMP cost	The capital cost for environmental protection measures is proposed as Rs 2.6594 Crores. The annual recurring cost towards the environmental protection measures is proposed as Rs. 20.65 Lacs.																																	
p.	Employment opportunity	The employment generation from the proposed project is 242																																	
q.	Water and Power requirement	<p>Total one time water demand is 178 KLD, out of which 65 KLD is supplied from Ground Water (65.0 KLD is drawn from ground water with permission from CGWA). Out of which 54 KLD is for Industrial water demand, 11KLD is for Domestic water demand and recycled water 113KLD is used for Quenching & Cooling. CGWA NOC has been renewed from CGWA vide letter no.- CGWA/NOC/IND/REN/1/2023/7861 dated 16.05.2023 valid up to 25.01.2025 to tune of 65KLD..</p> <p>Existing power requirement of 8000 kVA (18081KW Sanctioned capacity) is obtained from JVVNL, Alwar from nearest (GSS-220KV) Khuskhera, 2.0km, E from Project site.</p>																																	

S. No.	Product	Existing Capacity (MTPA)	Total Capacity (MTPA)
1.	MS Ingots/Billets	68,400 MTPA (228TPD)	68,400 MTPA (228TPD)
2.	MS CTD/TMT Bars & MS Round	90,000 MTPA (300TPD)	90,000 MTPA (300TPD)
3.	Induction Furnace (2 Nos)	8TPH	8TPH
4.	Heating Furnace	25Ton/Hr	25Ton/Hr



A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. PP shall strictly comply with the Direction issued by the Commission for Air Quality Management in National Region and Adjoining Areas.
- v. PP shall strictly implement the Action Plan/Mitigation measures as prescribed for the CPA/SPA, as the Unit is located in CPA/SPA.
- vi. The industry shall use CETP treated waste water for industrial processes to reduce the stress on Ground water resource as and when made available.
- vii. The water requirement of 178 m³/day ground water and recycled water after obtaining necessary permission from the Competent Authority. Ground water shall be abstracted only for the domestic water demand (drinking purpose only). PP shall explore the possibility of shifting to alternative source of water to meet the water requirement needs.
- viii. The industry shall use PNG gas as per direction no. 64 of the Commission for Air Quality Management in National Region and Adjoining Areas by 30.09.2022.
- ix. The nearest habitation is Khushkhera which is at a distance of 1.22 km in South-West direction of the project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include this location in its environmental monitoring programme.
- x. The Sahibi River and other water bodies exists nearby of the project site. Also, there are other water bodies within the study area of 10 km of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- xi. Three tier Green Belt shall be developed in at least 40% of the project area all along the project site (as per the submitted plan) of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier

for air pollution & noise levels towards Khushkhera Village. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.

- xii. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 1.48 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- xiii. PP shall adopt undertake village adoption programme, prepare and implement the action plan to develop them into model villages.
- xiv. M/s. Rathi Bars Limited shall install CEMS/CAAQMS within three months from 26.06.2023 as committed.
- xv. PP shall comply with the observations of RO, SPCB and complete installation of PTZ/CCTV camera (to capture shop floor including all furnaces) with recording facilities and to connect it with server of State Board and RO Office Bhiwadi. Action Plan along with compliance in this regard shall be reported to RO, SPCB within a month from the date of issue of EC.
- xvi. PP shall install digital display Board for environmental monitoring data in front of the factory's main gate within a month.
- xvii. PP shall adopt relevant measures to improve the housekeeping in the plant premises.

B. General Conditions

I. Statutory compliance:

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

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and

- three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
 - v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
 - vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
 - vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
 - viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
 - ix. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
 - x. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
 - xi. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
 - xii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
 - xiii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
 - xiv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
 - xv. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
 - xvi. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
 - xvii. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.

- c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xviii. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xix. Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be

submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

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

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. Solid waste utilization
 - a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
 - b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
 - c. Used refractories shall be recycled as far as possible.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall

- submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
 - iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

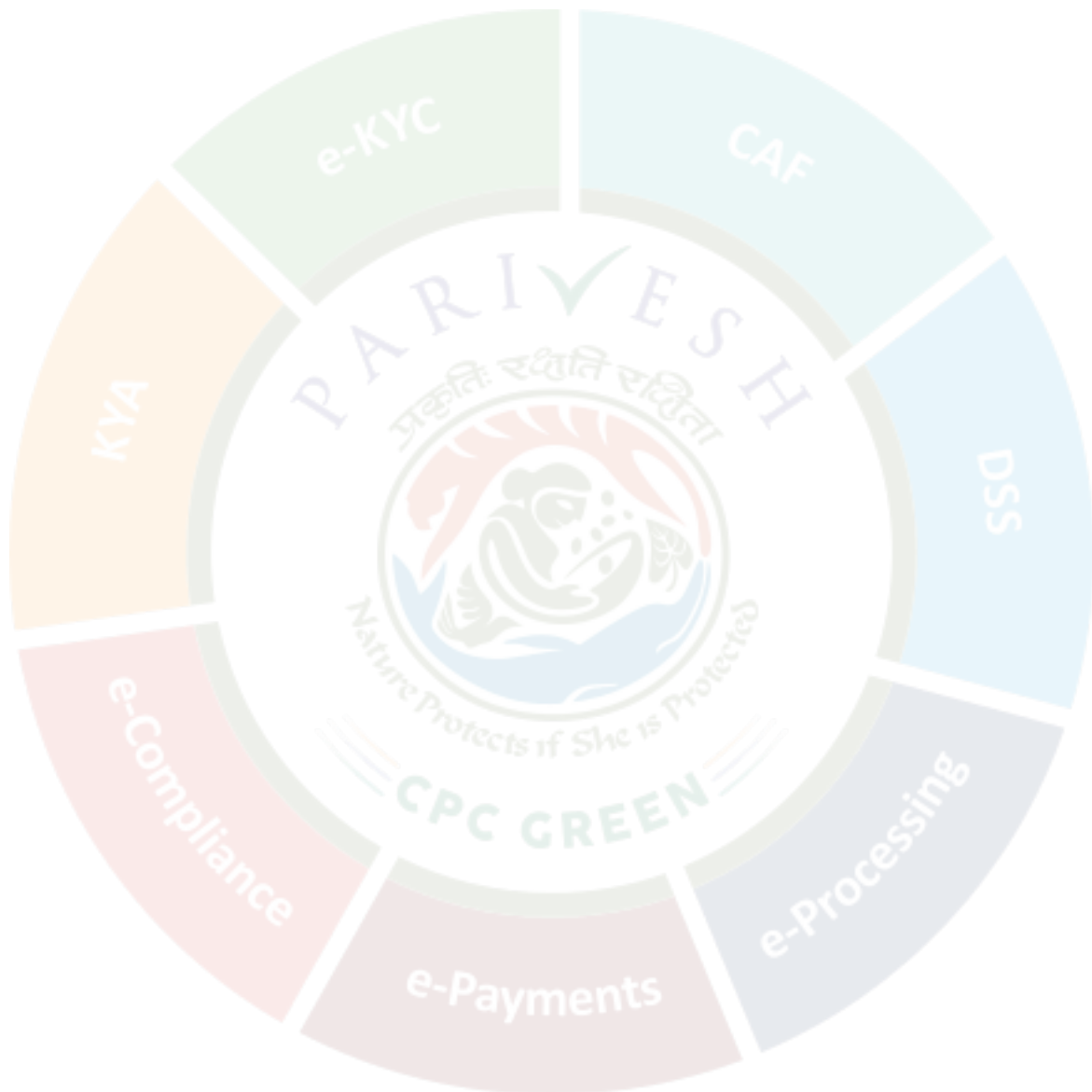
IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.

- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. 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.



Activity	Location	Total Capital Cost (in Lacs)	Action Plan with Budget in (Capital Cost-in Lakhs)			Recurring (In Lakh)
			1 st Year	2 nd Year	3 rd Year	
Construction of 4.0 Nos. Rain water Harvesting structure	Village Panchayat- Mahesara, Rabarka, Dhamabas, Khushkhera	148.0	12.0	12.0	2.0	1.0
RO with Water cooler	Govt. School, Khushkhera		3.0	3.0	4.0	0.25
Solar light on Street, Dust Bins in School & Grama Panchayat	Village Panchayat – Mahesara		8.0	8.0	8.0	0.25
Plantation & Tree Guard nearby villages	Govt. School Khushkhera		4.0	4.0	5.0	0.25
Medical checkup camps	Rajasthan Healthcare Hospital, Khushkhera, & Village Panchayat – Mahesara		4.0	4.0	4.0	1.0
Awareness program regarding organic manure use for agriculture, hygiene, sanitation	Village Panchayat Mahesra & Rajasthan Healthcare Hospital, Khushkhera 4QCG+9R7		4.0	4.0	4.0	1.0
Distribution of computers, Furniture etc in Govt. Schools.	School at Mahesra		5.0	5.0	5.0	1.0
Inter Locking Tiling work in village park, Mahesra	Village park, Mahesra		4.0	4.0	4.0	1.0
Park maintenance at Sarkari Vidyalay	Village park, Mahesra		3.0	3.0	3.0	1.0
Plantation at Grama panchayat Main Road	Village park, Mahesra		2.0	2.0	2.0	1.0
Kitchen Hall for Mid-day meal preparation in School- Mahesra	Village -Mahesra		3.0	3.0	3.0	1.0
Total			52.0	52.0	44.0	8.75
			148.0 Lakhs			