

F. No. J-11011/260/2009-IA.II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan  
Jor Bagh Road, Aliganj,  
New Delhi – 110003

E-mail: r.sundar@nic.in  
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Dated: 10<sup>th</sup> August, 2021

To

✓ **Shri. Mahabir Prasad Rungta,**  
Owner,  
M/s. Shri Ram Power & Steel Private Limited,  
Aara Saru Bera Road, P.O-Kuju,  
District - Ramgarh, Jharkhand– 825 316,  
Email: mahabirprasadrunga54@gmail.com; Tel: 0124 - 4291036

Subject: Expansion of Sponge Iron from 60,000 to 90,000 TPA, Production of 72,000 TPA Billet by addition of 2x12T Induction Furnace and 12 MW Captive Power Plant by **M/s. Shri Ram Power & Steel Private Limited** located at Village: AraSaruBera Road, PO-Kuju, **District- Ramgarh, Jharkhand – Environment Clearance – regarding.**

Sir,

This refers to your proposal no. **IA/JH/IND/195539/2018** received on 03/07/2021 through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above.

- As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category '**A**' of item **3(a) 'Metallurgical Industries (Ferrous and Non-ferrous)** and appraised at **Central level**.
- Accordingly, the above-mentioned proposal has been considered by the Reconstituted Expert Appraisal Committee of **Industry 1** in its **40<sup>th</sup> meeting held on 15-16<sup>th</sup> July, 2021**. 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 details of the proposal are as per the EIA report submitted by the proponent. The salient features of the expansion proposal as presented during the above-mentioned meetings of EAC (Industry 1) are as under: -

S.No.	Particulars	Details
a.	Terms of Reference for undertaking EIA study	15 <sup>th</sup> April, 2019
b.	Period of baseline data collection	December 2018 to February 2019
c.	Date of Public Consultation	18 <sup>th</sup> July, 2019
d.	Action plan to address the PH issues	An amount of Rs. 47.65 lakhs have been earmarked to address the issues raised during public hearing.
e.	Location of the project	Village: AraSaruBera Road, PO-Kuju, District- Ramgarh, Jharkhand.

S.No.	Particulars	Details
f.	Latitude and Longitude of the project site	Latitude 23°43'24.3"N, Longitude 85°31'28.7"E
g.	Total land	4.96 ha
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Entire land of 4.96 is possession of M/s. Shri Ram Power & Steel Private Limited
i.	Existence of habitation & involvement of R&R, if any	Nil
j.	Elevation of the project site	370 m AMSL
k.	Involvement of Forest land if any.	Nil
l.	Water body exists within the project site as well as study area	<b>Project Site</b> – Nil <b>Study Area</b> Damodar River: 8.7 Km, S Chotha Nadi: 3.13 Km, N Bokaro River: 4.85 km NNE
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil. Following Forests are present in study area: Protected Forest: 3.77km, WSW Protected Forest: 7.2 km, NNW
n.	Project cost	INR 103.74 Crores
o.	EMP cost	INR 5.81 Crores
p.	Employment opportunity	430 Nos
q.	Water and Power requirement	Water – 1241 m <sup>3</sup> /day, Power – 11.8 MW

**Unit configuration and capacity:**

S No	Units	Existing Units		Proposed Units		Final Capacity	
		Unit	Production TPA	Unit	Production TPA	Unit	Production TPA
<b>Sponge Iron Plant – 90,000 TPA</b>							
1	DRI Kilns	2x100 TPD	60,000	1x100 TPD	30,000	3x100 TPD	90,000
<b>Steel Melting Shop – 72,000 MS Billets</b>							
2	Induction Furnace	--	--	2x12 Ton	73,050	2x12 Ton	73,050
	Billet Caster	--	--	2x6/11 m radius	72,000	2x6/11 m radius	72,000
<b>Captive Power Plant – 12 MW</b>							
3	WHRB	--	--	3	6 MW	3	6 MW
	AFBC Boiler	--	--	1	6 MW	1	6 MW

- The Re-constituted EAC (Industry-I) in its 40<sup>th</sup> meeting held on 15-16<sup>th</sup> July, 2021, 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 paragraph given below.
- 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) hereby decided to grant



Environment Clearance for instant expansion proposal of M/s. Shri Ram Power & Steel Private Limited under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

**A. Specific conditions**

- i. An affidavit shall be submitted to the Ministry stating that observations made in the inspection report of Regional Office dated 2/06/2021 has been complied within three months from date of issue of the Environment Clearance.
- ii. Particulate matter emission from all the stacks shall not exceed 30 mg/Nm<sup>3</sup>.
- iii. Project proponent shall obtain prior permission from concerned competent authority for withdrawal of 1241 KLD water from Bokaro river before commencing the expansion project activity.
- iv. Rain Water harvesting shall be implemented as per the action plan submitted in the EIA report.
- v. 100% dolochar generated in the plant shall only be used either in the captive power plant (or) in the Thermal Power Plants meeting emission standards.
- vi. Water spray systems shall be included to control fugitive dust from raw material Stockpiles.
- vii. Stockpiles shall be constructed on impervious floors and Garland drains shall be constructed with traps around the plant and around the stock piles.
- viii. 100 % solid waste shall be utilized. Maximum storage of solid waste in plant shall be 90 days of production.
- ix. Parking area for 25 trucks shall be provided within the plant.
- x. Green belt shall be developed in 40% of the total area all along the periphery of the project site with a tree density of 2500 trees per hectare.

**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. 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 two Continuous Ambient Air Quality Station (CAAQS) 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 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.
- iii. 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.
- iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

- v. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.
- vi. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
- vii. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

**III. Water quality monitoring and preservation**

- i. 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.
- ii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iii. 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.

**IV. Noise monitoring and prevention**

- i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

**V. Energy Conservation measures**

- i. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

**VI. Waste management**

- i. Used refractories shall be recycled as far as possible.
- ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
- iii. Kitchen waste shall be composted or converted to biogas for further use.

**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 and also estimate carbon sequestration by the plantations.

**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 of Factory Act.
- iii. 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.



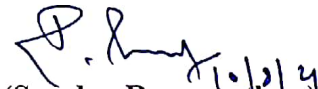
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.

**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; 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.
- 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.
- 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.
- 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.
- viii. 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.
- ix. 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).
- x. 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.
- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- 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.
- xiv. 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.

7. This issues with the approval of the Competent Authority.

  
(Sundar Ramanathan)  
Scientist 'E'

**Copy to:-**

1. Secretary, Department of Environment, Government of Jharkhand, Secretariat, Ranchi.
2. Regional Officer, Integrated Regional Office, Ministry of Environment and Forest, Bungalow No. A-2, Shyamali Colony, Ranchi-834002.
3. PCCF & Chief Wildlife Warden, Govt. of Jharkhand, P.O. Doranda, Van Bhawan Ranchi- 834002
4. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
5. Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. Chairman, Jharkhand State Pollution Control Board, CTI Colony, Sector 4, Birsa Nagar, Ranchi, Jharkhand 834004
7. District Collector, Ramgarh District, Jharkhand.
8. Guard File/Record File/Monitoring File.
9. MoEF&CC Website.

  
(Sundar Ramanathan)  
Scientist 'E'