

## COMPLIANCE OF ENVIRONMENTAL CLEARANCE

GRANTED BY MOEF & CC, NEW DELHI VIDE F.NO.J-11011/260/2009-IA-II(I) dt.10.08.2021

Proposal No. IA/JH/IND/195539/2018. (Expansion)

Sl	CONDITION	COMPLIANCE/STATUS 01.10.2024 to 31.03.2025
<b>A</b>	<b>SPECIFIC CONDITIONS:</b>	
i.	An affidavit shall be submitted to the Ministry stating that observations made in the inspection report of Regional Office dated 02/06/2021 has been complied within three months from date of issue of the Environmental Clearance.	Complied.
ii.	Particulate matter emission from all the stacks shall not be exceed 30 mg/Nm <sup>3</sup>	Particulate Matter emission is under the prescribed limit. Copy of the Stack Emission Report is attached herewith as Annexure -1.
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..	Permission for withdrawal of 1241 KLD water from river Bokaro is granted by the DVRRC. Copy of the Permission Letter and agreement deed executed with DVRRC are attached herewith as Annexure -2.
iv.	Rain Water harvesting shall be implemented as per the action plan submitted in the EIA report.	We proposed to construct 8 No. Rain Water harvesting pit in which 3 No. Rain Water harvesting Pit are already constructed.
v.	100% dolochar generated in the plant shall only be used either in the captive power plant (or) in the Thermal Power Plant meeting emission standards.	Captive Power Plant is installed and in operation. Dolochar generated from the DRI unit is being utilized in Atmospheric Fluidized Bed Combustion Boiler (AFBC Boiler)
vi.	Water spray system shall be included to control fugitive dust from raw material Stockpiles.	Sufficient numbers of water sprinklers are installed to control the fugitive emission. Water spraying has also been done through water tanker at the vehicle movement area.
vii.	Stockpiles shall be constructed on impervious floors and Garland drains shall be constructed with traps around the plant and around the stock piles.	Stockpiles are constructed on impervious Floors and garland drain is constructed with trap around the plant and around the stockpiles.
viii.	100% solid waste shall be utilized. Maximum storage of solid waste in plant shall be 90 days of production.	Is being complied. Char generated from DRI process is being used in Captive Power Plant. 2. Fines & Dust from DRI APCS is reuse in process & Low land filling, 3. Slag from SMS is sold to slag processing units and other road making after recovery and removal of irons content.4. Fly Ash generated from the CPP is being supplied to the Bricks Manufacturing Unit.

ix.	Parking area for 25 trucks shall be provided within the plant.	Adequate parking area is provided within the plant premises to park the vehicles.
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.	Being complied. Complied. Local species of trees are planted in 40 % of the total plant area all along the periphery of the project site. Inventory of Trees planted and photographs attached as annexure-3.
<b>B.</b>	<b>GENERAL CONDITIONS</b>	
	<b>I. Statutory Compliance:</b>	
i.	The environmental 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/construct to approvals/consent/permission 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.	Other statutory approval such as CTE and CTO is obtained from Jharkhand State Pollution Control Board. Copy of the CTE and CTO are attached herewith as Annexure-4 and Annexure-5.
	<b>II. Air quality monitoring and preservation</b>	
i.	The project proponent 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 Environmental (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 time to time according to equipment supplier specification through lab recognized under Environmental (Protection) Act, 1986 or NABL accredited laboratories.	Being complied. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters is installed. It is connected with the server of JSPCB and CPCB to transfer the data of stack emission and ambient air quality.  Ambient Air Quality Monitoring Report is attached herewith as Annexure – 6.
ii.	The project proponent shall monitor fugitive emission in the plant premises at least once in every quarter through laboratories recognized under Environmental (Protection) Act, 1986 or NABL accredited laboratories.	Is being complied. Fugitive Emission Monitoring Report by recognized laboratory is attached herewith as Annexure -7.
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	Complied. Air Pollution Control (APC) system viz ESP, Bag Filter Fume Extraction system has been provided for all the dust generating points including fugitive dust from all vulnerable sources.

	emission standards.	List of APCD is attached as annexure -8.
iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied. Leakage detection and mechanized bag cleaning facilities are provided as per the condition.
v.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Raw materials are transported through covered conveyor belt to control spillage and dust generation. Few photographs of the same are attached herewith as Annexure -9.
vi.	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	Complied.
vii.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Raw material shed is fenced with three sides to shelter the wind. Photograph of Raw Material Shed is attached as Annexure-10.
viii.	Design and ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Is being complied.
	<b>III. Water Quality Monitoring and Preservation</b>	
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 area through labs recognized under Environmental (Protection) Act, 1986 and NABL accredited laboratories.	Ground water quality is monitored through the recognized laboratory. Ground Water, Waste Water Monitoring and Leachate Study Report is attached herewith as Annexure -11.
ii.	Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.	Domestic waste water is managed through soak pit and septic tank being use for dust suppression system.
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.	As Rolling Mill is not installed, so effluents from rolling mill are not generated.
	<b>IV. Noise monitoring and prevention</b>	
i.	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Contrl) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noise levels in and around the plant area is being kept well within the standards by providing noise control measures-such as acoustic enclosures, isolations, lagging and providing rubber packing. Monitoring data of Ambient Noise Level of day and night time is attached herewith as Annexure-12.
	<b>V. Energy Conservation Measures</b>	
i.	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	Is being complied. Solar lights and LED lights are provided in the plant.
	<b>VI. Waste management</b>	

i	Used refractories shall be recycled as far as possible.	Is being complied.
ii.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnace	As rolling mill is not installed, so oily scum and metallic sludge are not recovered.
iii.	.Kitchen waste shall be composed or converted to biogas for further use.	Is being complied. Kitchen waste is composted and used as manure of horticulture.
	<b>VII. Green Belt</b>	
i	The project proponent shall prepare GHG emission inventory for the plant shall submit the program for reduction of the same and also estimate carbon sequestration by the plantation.	Noted for action.
	<b>VIII. Public hearing and Human health issue</b>	
i	Emergency preparedness plan based on the Hazardous Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being complied.
ii.	The project proponent shall carry out heat stress analysis for the workers who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of the Factory Act.	Being Complied. Personal Protection Equipment (PPE) has been provided as per the norms of Factory Act. Photographs of workers wearing PPE attached as annexure 13.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Being Complied. Occupational Health surveillance of workers is being done and records are maintained. Medical Report of the workers is attached herewith as Annexure-14.
	<b>IX. Environmental Management</b>	
i.	The project proponent shall comply with the provisions contained in the Ministry's OM vide F.No.22-65/2017-IA.III dated 30.09.2020	Being complied.
ii.	The company shall have a well laid down environmental policy dully approve by the Board of Directors. The environmental policy should prescribe for standard operation procedures to have proper checkup and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have define system of reporting infringements/deviation/violation of 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.	Based on the principle of the managing environment resources for benefit and the enjoyment of the both current and future generation, the company has adopted Environmental Policy and the same has been approved by the Board of Directors of the Company. Copy of the Board Resolution and Environmental policy is attached herewith as Annexure-15.
iii.	A separate environmental cell both at the	An Environmental Managing Cell is headed by

	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.	qualified environmental engineer to deal with environmental monitoring, environmental system, environmental performance, required compliance and liaison with regulatory authority. Copy of the same is attached herewith as Annexure-16.
	<b>X. Miscellaneous</b>	
i	The project proponent shall make public the environmental clearance granted for their project along with environmental conditions and safeguard at their cost by prominently advertising it at list two local news papers of the District or State, of which one shall be in vernacular language within seven days and in addition this shall also be displayed in the project proponent website permanently.	Complied. Copy of the news paper advertisement regarding grant of environmental clearance is attached herewith as Annexure-17.  Copy of the screen shot of the website regarding upload EC is attached as Annexure-18.
ii	The copies of the environmental clearance shall be submitted by the project proponent to the Head 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.	Complied. Copy of the Environmental Clearance submitted to Zila Parishad, Ramgarh and Local Panchyat Office. Receipt of the letter submitted is attached herewith as Annexure-19.
iii.	The project proponent shall upload the status of the compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and upload the same on half-yearly basis.	Being complied. Copy of the Screen Shot of the website regarding upload of compliance status of Environmental Clearance is attached herewith as Annexure- 20.
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 the convenient location for disclosure to the public and put on the website of the company.	Being complied. We are monitoring the pollutants and result of the monitored data is also displayed at the main gate of the plant.
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.	Regular six monthly Compliance report of EC is being submitted to the concerned authorities. Copy of the acknowledgement regarding submission of EC compliance is attached herewith as Annexure- 21.
vi.	The project proponent shall submit environmental statement for each financial year in Form V to the concerned State Pollution Control Board as prescribed under the Environmental (Protection) Act, 1986, as amended subsequently and put on the	Complied. Copy of the Environmental Statement for financial year ending 31 <sup>st</sup> March 2023 in Form V is attached as Annexure-22.  Copy of the Screen Shot of the website regarding upload of Environmental Statement

	website of the company.	is attached herewith as Annexure-23.
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 land development work and start of production by the project.	Noted.
viii.	The project proponent shall abide by the all the commitments and recommendations made in the EIA/EMP report, commitment made in the Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Being complied. Complied. We are adhering to all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also during the presentation to the Expert Appraisal Committee.
.ix.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest & Climate Change (MoEF & CC).	Noted. Neither expansion nor modifications in the plant will 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 Environmental (Protection) Act, 1986.	Noted.
xi.	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Noted.
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 report.	Noted. We will extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports as and when required.
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.	Noted.