

COMPLIANCE OF ENVIRONMENTAL CLEARANCE

GRANTED BY MOEF & CC, NEW DELHI, EC Identification No. **EC22A008JH118531**, dated 24.01.2022
Proposal No. **IA/JH/IND/193612/2019**

SI	CONDITION	COMPLIANCE/STATUS 01.10.2024 to 31.03.2025
A	SPECIFIC CONDITIONS:	
i.	Particulate matter emission from all the stacks shall not be exceed 30 mg/Nm ³	Particulate matter emission is under the prescribed limit. Copy of the stack emission report is attached as Annexure -1.
ii	Green belt shall be developed in 34% of the total area along the periphery of the plant with a density of 2500 sapling per hectare as committed by the PP.	Being complied.
iii.	2488 KLD water shall be sourced from Damodar river for proposed expansion. No ground water abstraction shall be permitted.	Only 4 X 100 TPD Sponge Iron kilns setup and in operation. Copy of the permission Letter issued by DVRRC and copy of the agreement executed with DVRRC for withdrawal of water are attached herewith as Annexure-2.
iv	100% solid waste generated in the facility shall be utilized.	Being Complied. Copies of the few sale invoices of Dolochar are attached as Annexure-3.
v.	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yard shall also have garland drains trap the run off material.	Being complied. Stockpiles are constructed on impervious Floors and garland drain is constructed with trap around the plant and around the stockpiles.
vi.	Slip roads shall be provided at the gates and along crossing on main roads to avoid traffic congestion.	Being complied.
vii.	Performance monitoring of all Pollution Control Devices shall be carried out annually and report submitted to MOEF&CC, Regional Office.	Complied.
viii.	All internal and connecting roads to the Highway shall be black topped/concreted with suitable load in terms of Million Standard Axle (MSA) as per IRC guidelines.	Being complied.
ix.	Rain Water harvesting shall be implemented as per the action plan submitted in the EIA Report.	Hydrogeology Report of rain water Harvesting is attached herewith as Annexure-4.

B.	GENERAL CONDITIONS	
	I. Statutory Compliance:	
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.	CTE has been obtained from Jharkhand State Pollution Control Board. Only 4X100 TPD DRI Kilns has been setup and in operation which CTO is granted by JSPCB. Copy of the CTE and CTO are attached herewith as Annexure-5 & 6.
	II. Air quality monitoring and preservation	
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.	In existing unit, Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters is installed. It is connected with the server of JSPCB and CPCB. Ambient Air Quality Monitoring Report is attached herewith as Annexure-7.
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.	Complied. Fugitive Emission Report is attached as Annexure -8.
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.	In existing unit, Electro Static Precipitator in the DRI kiln and Bag Filters in various sections are installed to adjoin the prescribed standards. Copy of the stack emission report is attached as Annexure -1.
iv.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied. A detail of Bag Filters with location is attached herewith as Annexure – 9.
v.	Recycled and reuse iron ore fines, coal and coke fines, lime fines and such other fines	Is being complied in the existing unit.

	collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.	
vi.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Complied. Raw materials are transported through covered conveyor belt to control spillage and dust generation. Photographs of the same are attached as Annexure -10.
vii.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Induction furnace unit is not installed. As suggested it will be operated with running fume extraction system.
viii.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Complied.
	III. Water quality monitoring and preservation	
i.	The project proponent shall install 24X7 continuous effluent monitoring system with respect to standards prescribed in Environmental Protection Rule 1986 (G.S.R. 414 (E) dated 30 th May 2008; G.S.R. 277 (E) dated 31 st March 2012 (applicable to IF/EAF); S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plant) as amended from time to time and connected to SPCB and CPCB on line servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (protection) Act, 1986 or NABEL accredited laboratories.	No effluents discharged outside the plant premises. Ground water quality is monitored through recognized laboratory. Copy of Process Water, Ground Water, Effluent and Leachate Study Reports are 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 and 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 st March 2012 (applicable to IF/EAF) as amended from time to time.	Since Rolling Mill is not installed, so effluents from rolling mill are not generated.
iv.	Garland Drains and collection Pits shall be provided for each stock pile to arrest the run-off in event of heavy rains and to check the water pollution due to surface run-off.	Being complied.
	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.	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.

	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.	Being complied. Solar lights and LED lights are provided in the plant. A detail of LED light with location is attached herewith as Annexure-13.
	VI. Waste management	
i	Used refractories shall be recycled as far as possible.	Being complied.
ii.	Kitchen waste shall be composed or converted to biogas for further use.	Being complied. Kitchen waste is composted and used as manure in horticulture.
	VII. Green Belt	
i	The project proponent shall prepare GHG emission inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.	Being complied.
	VIII. Public hearing and Human health issue	
i	Emergency preparedness plan based on the Hazardous Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	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.
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Complied. Regular Occupational Health Surveillance of the workers is being done and records are maintained. Copy of the Health Check Report of the workers is attached herewith as Annexure-14.
	IX. Environmental management	
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 duly 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	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.

	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.	An Environmental Managing Cell is headed by qualified environmental engineer to deal with environmental monitoring, environmental system, environmental performance, required compliance and liaisoning with regulatory authority. Copy of the same is attached herewith as Annexure-16.
	X. Miscellaneous	
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 of 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, Hazaribagh and Panchyat Office. Receipted copy of the letter 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.	Complied. Copy of the Screen Shot of the website regarding upload of compliance status of E.C 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.
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.	Being Complied.
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	Complied. Copy of the Environmental Statement for the financial year ending 31 st march 2023 in Form V is attached as Annexure-21. Copy of the Screen Shot of the

	the Environmental (Protection) Act, 1986, as amended subsequently and put on the website of the company.	website regarding upload of Environmental Statement is attached herewith as Annexure-22.
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.	Only one DRI kiln of 100 TPD capacity of the project is installed. A detail regarding the project cost and date of start of Production is attached herewith as Annexure-23.
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.
.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).	Being Complied.
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.
xii.	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.
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.