

Half Yearly Compliance Report**2024****01 Jun(01 Oct - 31 Mar)****Acknowledgment****Proposal Name**

Expansion & Modernization of Integrated Steel Plant-BF-0.75 to 2.0 MTPA (0.75 to 1 MTPA through modernization),Sinter Plant-0.8 to 2.8 MTPA, Pellet Plant-1.5 to 3.0 MTPA,Coke Oven-0.2 to 1.1 MTPA,Oxygen Plant-510 to 1500 TPD, SMS-1.2 to 2.4 MTPA, RM-1.2 to 2.4 MTPA,Cement Grinding unit-2.4 MTPA,PGP-1,16,000 Nm3/hr, Power Plant-26 to 130 MW(104 MW-BF GAS & COKE OVEN GAS), Under CTE/CTO-DRI (350 +500 TPD)-0.27 MTPA(0.12 +0.15) to 0.35 MTPA,Power plant-30 MW (2x15 MW WHRB & AFBC)

Name of Entity / Corporate Office

JAYASWAL NECO INDUSTRIES LIMITED

Village(s)

Dhaneli

District

RAIPUR

Proposal No.

IA/CG/IND1/419709/2023

**Plot / Survey /
Khasra No.**132/3, 132/1, 132/14,
132/5, 132/7, 132/11,
132/13, 132/15, 132/12,
etc.**State**

CHHATTISGARH

MoEF File No.J-11011/883/2008-
IA.II(IND-I)**Category**

Industrial Projects - 1

Sub-District

Raipur

Entity's PAN

NA

**Entity name as per
PAN**

NA

Compliance Reporting Details**Reporting Year**

2024

Remarks (if any)

Expansion and modernizations of existing integrated steel plant (duly incorporating CTE based two units of DRI plant of 0.27 MTPA and associated 30 MW Power plant). The unit expansion has not started yet.

Reporting Period

01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area**Name of Entity /
Corporate Office**

JAYASWAL NECO INDUSTRIES LIMITED

Project Area as per EC Granted**Annual Project Area in Possession**

Private

0

0

Revenue Land

0

0

Forest	0	0
Others	417.35	417.35
Total	417.35	417.35

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Blast furnace	Tons per Annum (TPA)	31/12/2024	2000000	643220	650000
2	Sinter plant	Tons per Annum (TPA)	31/12/2024	2800000	606095.31	800000
3	Coke oven Non Recovery Type	Tons per Annum (TPA)	31/12/2024	1100000	188789	200000
4	Steel Melting Shop	Tons per Annum (TPA)	31/12/2024	2400000	675202	1200000
5	oxygen Plant	Tons per Day (TPD)	31/12/2024	1500	336	510
6	Cement Grinding Unit	Tons per Annum (TPA)	01/01/0001	2400000	0	0
7	PRoducer Gas Plant	Cu.M/Hr	01/01/0001	116000	0	0
8	Rolling Mill	Tons per Annum (TPA)	31/12/2024	2400000	626221	1200000
9	Power Plant	MW	31/12/2024	130	187265.9	26
10	Iron Ore Pellet plant	Tons per Annum (TPA)	31/12/2024	3000000	1135330	1500000
11	Sponge Iron Plant	Tons per Annum (TPA)	31/07/2024	350000	266524	270000
12	Power Plant	MW	31/12/2024	30	184556.3	27

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply Agreed to complied.		Date: 01/06/2024
2	MISCELLANEOUS	PP shall strictly comply with the observations of IRO in the certified compliance report as per the submitted ATR.
PPs Submission: Complied The compliances of given observation have already been made & shall be maintain in future also.		Date: 01/06/2024
3	MISCELLANEOUS	In pursuance to MoEF&CC OM's dated 31st October, 2019 & 30th December, 2019 issued in compliance of the order of Hon'ble NGT in OA No. 1038/2018 dated 19th August, 2019, the compliance of all the conditions applicable to CEPI shall be implemented as per the submitted plan. PP shall strictly implement the Action Plan/Mitigation measures as prescribed for the CPA, as the Unit is located in CPA.
PPs Submission: Being Complied The CEPI guidelines is strictly being complied and the compliance status is being submitted to CECB at regular interval.		Date: 01/06/2024
4	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply shall be complied. however green belt has been developed in 40 % of the total plant area. the carbon sequestration is being carried out through green belt.		Date: 01/06/2024
5	MISCELLANEOUS	The Kharoon River is 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.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
6	MISCELLANEOUS	The PP 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.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
7	MISCELLANEOUS	As committed, the PP shall adopt 10 villages naming Siltara, Sankara, Girod, Dhaneli, Mandhar, Charoda, Murethi, Tekari, Nimora and Akoli and implement the Village Adoption program consisting of need-based community development activities, to develop them into model villages.

PPs Submission: Being Complied The Socio economic development activity is being carried out in all near by villages the following 10 villages naming Siltara, Sankara, Girod, Dhaneli, Mandhar, Charoda, Murethi, Tekari, Nimora and Akoli have been adopted by the company. The need-based community development activities are being carried out in nearby adopted villages.		Date: 01/06/2024
8	MISCELLANEOUS	The PP shall strictly implement the additional Environmental safe guards as proposed to address the emissions due to high AAQ and noise values.
PPs Submission: Agreed to Comply Shall be comply.		Date: 01/06/2024
9	MISCELLANEOUS	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. 85.60 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
PPs Submission: Being Complied The social welfare activity for the Social economic development of the nearby village is being carried out regularly since last 25 years. the Last six month period 01 October 23 to 31st march 24 the expenditure incurred in CSR is Rs. 117 lac. the details is attached.		Date: 01/06/2024
10	MISCELLANEOUS	The total water requirement after the proposed expansion of 27,646 m3/day (equivalent to 6.30 MGD) shall be obtained from the River Kharoon (wherein an anicut had been constructed by JNIL with CSIDC). Necessary permission shall be obtained from the Competent Authority.
PPs Submission: Complied The Water permission has already been obtained from WRD for total water requirement the proposed expansion of 27,646 m3/day.		Date: 01/06/2024
11	MISCELLANEOUS	Three tier Green Belt shall be developed in at least 40% of project area in ia period of 1 year with native species all along the periphery of the project site 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 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 nearby ESA's. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
PPs Submission: Being Complied Green belt is already developed in 39 % of total plant area the remaining 1% shall be developed in coming monsoon season.		Date: 01/06/2024

General Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak

	PRESERVATION	proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
PPs Submission: Being Complied Being complied & shall be complied in proposed expansion.		Date: 01/06/2024
2	AIR QUALITY MONITORING AND PRESERVATION	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
PPs Submission: Complied Road Sweeping machine has already been deploy for Roads cleaning and shop floor.		Date: 01/06/2024
3	Statutory compliance	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.
PPs Submission: Agreed to Comply Noted for compliance.		Date: 01/06/2024
4	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Agreed to Comply Shall be complied in the proposed expansion units.		Date: 01/06/2024
5	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. 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.
PPs Submission: Complied 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) have already been installed for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The 13 Nos of CEMS in all process have been installed. The real time data of CEMS and CAAQMS is connected to SPCB and CPCB online servers.		Date: 01/06/2024
6	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and Nox emissions) within the plant area, covering upwind and downwind directions.
PPs Submission: Complied 04 Nos. of CAAQMS for monitoring of main pollutant released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and Nox emissions) within the plant area,		Date: 01/06/2024

covering upwind and downwind directions have already been installed in connected with CECB/CPCB server.		
7	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Agreed to Comply Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources in proposed units.		Date: 01/06/2024
8	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied The fugitive emission monitoring through NABL accredited lab is being carried out at regular interval the report of same is submitted to CECB.		Date: 01/06/2024
9	Statutory compliance	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.
PPs Submission: Agreed to Comply Noted for compliance.		Date: 01/06/2024
10	AIR QUALITY MONITORING AND PRESERVATION	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
PPs Submission: Agreed to Comply Iron ore fines, coal and coke fines and such other fines collected in the pollution control devices in the process is being utilized in sinter & Pellet plant and same shall be maintain in proposed expansion.		Date: 01/06/2024
11	AIR QUALITY MONITORING AND PRESERVATION	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
PPs Submission: Being Complied The sampling facilities in existing process stack has already been provided and shall be provided in expansion projects.		Date: 01/06/2024
12	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
13	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
14	AIR QUALITY MONITORING AND PRESERVATION	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
PPs Submission: Being Complied CREP Guidelines of CPCB for implantation of pollution control system is implemented in existing units and shall be complied in proposed expansion units.		Date: 01/06/2024
15	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
16	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
17	AIR QUALITY MONITORING AND PRESERVATION	<p>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.</p>
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
18	AIR QUALITY MONITORING AND PRESERVATION	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
PPs Submission: Agreed to Comply Bag filters is being cleaned regularly and shall be maintain in future also.		Date: 01/06/2024
19	AIR QUALITY MONITORING AND PRESERVATION	<p>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.</p>
PPs Submission: Being Complied Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore,		Date: 01/06/2024

Coal and for Fly Ash and similar solid waste storage areas have already been provided b. Only covered vehicle is being used for transport of materials. c. Wheel washing mechanism has already been installed and operational in entry and exit gates with complete recirculation system. above facilities shall also be ensured in proposed expansion units.		
20	AIR QUALITY MONITORING AND PRESERVATION	Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.
PPs Submission: Complied Not applicable as we will not use the PNG in existing and proposed unit.		Date: 01/06/2024
21	AIR QUALITY MONITORING AND PRESERVATION	Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke.
PPs Submission: Agreed to Comply Shall be complied in proposed expansion units.		Date: 01/06/2024
22	AIR QUALITY MONITORING AND PRESERVATION	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
23	AIR QUALITY MONITORING AND PRESERVATION	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
24	AIR QUALITY MONITORING AND PRESERVATION	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
PPs Submission: Agreed to Comply Fluoride emission shall be identify & if it found more than the threshold Limit, the mitigation measure shall be implemented.		Date: 01/06/2024
25	AIR QUALITY MONITORING AND PRESERVATION	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
26	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
PPs Submission: Agreed to Comply Not applicable since we are using Non Recovery type Coke Oven and also we proposed to installed		Date:

Non Recovery type coke oven in proposed expansion.		01/06/2024
27	GREENBELT	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.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
28	WATER QUALITY MONITORING AND PRESERVATION	Water meters shall be provided at the inlet to all unit processes in the plants.
PPs Submission: Being Complied Water flow meters have already been install in all process units and shall be installed in proposed expansion units.		Date: 01/06/2024
29	WATER QUALITY MONITORING AND PRESERVATION	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
PPs Submission: Being Complied Rain water harvesting system have been developed in existing unit & shall be installed in the proposed expansion unit as per submitted in the EIA/EMP report.		Date: 01/06/2024
30	AIR QUALITY MONITORING AND PRESERVATION	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility). Land-based APC system shall be installed to control coke pushing emissions.
PPs Submission: Agreed to Comply Shall be complied in proposed expansion units.		Date: 01/06/2024
31	AIR QUALITY MONITORING AND PRESERVATION	Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
PPs Submission: Agreed to Comply Shall be complied in proposed expansion units.		Date: 01/06/2024
32	AIR QUALITY MONITORING AND PRESERVATION	The emission norms applicable for the cement plant shall be adhered to.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
33	AIR QUALITY MONITORING AND PRESERVATION	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
34	AIR QUALITY MONITORING AND	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional

	PRESERVATION	Office of the MoEF&CC along with the six monthly compliance report.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
35	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied EQMS already installed in ETP outlet and connected with CECB/CPCB server.		Date: 01/06/2024
36	AIR QUALITY MONITORING AND PRESERVATION	The Project proponent shall fix carbon monoxide detectors with critical alarms at strategic locations inside the Plant.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
37	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied Water Sprinklers/Water mist system has already been installed and shall be provided in future at near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.		Date: 01/06/2024
38	AIR QUALITY MONITORING AND PRESERVATION	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.
PPs Submission: Complied Not applicable as we proposed to install Non recovery type of Coke oven.		Date: 01/06/2024
39	AIR QUALITY MONITORING AND PRESERVATION	The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
PPs Submission: Agreed to Comply Shall be complied in future expansion units.		Date: 01/06/2024
40	AIR QUALITY MONITORING AND PRESERVATION	Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.
PPs Submission: Agreed to Comply Shall be complied if required.		Date: 01/06/2024
41	AIR QUALITY MONITORING AND PRESERVATION	Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.

PPs Submission: Agreed to Comply Shall be complied if required.		Date: 01/06/2024
42	AIR QUALITY MONITORING AND PRESERVATION	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
PPs Submission: Agreed to Comply shall be maintain in future expansion units.		Date: 01/06/2024
43	AIR QUALITY MONITORING AND PRESERVATION	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.
PPs Submission: Complied Not applicable as BOF not in proposed expansion.		Date: 01/06/2024
44	WASTE MANAGEMENT	Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).
PPs Submission: Complied Not applicable as we proposed to install Non Recovery type Coke oven		Date: 01/06/2024
45	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Agreed to Comply Water audit shall be carried out and audit recommendation shall be implemented.		Date: 01/06/2024
46	Noise Monitoring & Prevention	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
47	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Agreed to Comply Shall be comlied.		Date: 01/06/2024
48	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
49	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied The ground water quality has been carried out regular interval and shall be follow in future expansion		Date: 01/06/2024
50	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied The company maintain the ZLD and shall be maintain in future also.		Date: 01/06/2024
51	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
52	WATER QUALITY MONITORING AND PRESERVATION	Air Cooled condensers shall be used in the captive power plant.
PPs Submission: Agreed to Comply Shall be complied in future proposed expansion unit.		Date: 01/06/2024
53	Noise Monitoring & Prevention	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.
PPs Submission: Agreed to Comply Shall be complied		Date: 01/06/2024
54	Noise Monitoring & Prevention	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.
PPs Submission: Being Complied Being complied.		Date: 01/06/2024
55	Noise Monitoring & Prevention	Restrict Gas flaring to < 1%.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
56	Noise Monitoring & Prevention	Ensure installation of regenerative type burners on all reheating furnaces.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
57	Noise Monitoring & Prevention	Blast Furnaces shall be equipped with Top Recovery Turbine, dry

		gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
PPs Submission: Agreed to Comply Shall be complied in future expansion units.		Date: 01/06/2024
58	Noise Monitoring & Prevention	Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.
PPs Submission: Agreed to Comply Shall be complied in proposed expansion unit.		Date: 01/06/2024
59	Noise Monitoring & Prevention	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
60	Noise Monitoring & Prevention	The dolochar generated shall be used for power generation.
PPs Submission: Complied The generated Dolochar is being used for power generation.		Date: 01/06/2024
61	Noise Monitoring & Prevention	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.
PPs Submission: Being Complied Noise level monitoring is being carried out and shall be complied in future expansion project. Report is attached.		Date: 01/06/2024
62	WATER QUALITY MONITORING AND PRESERVATION	Treated water from ETP of COBP shall not be used for coke quenching.
PPs Submission: Agreed to Comply Dry quenching system shall be installed in future expansion of Coke oven.		Date: 01/06/2024
63	Noise Monitoring & Prevention	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;
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
64	Noise Monitoring & Prevention	Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
65	WASTE MANAGEMENT	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.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
66	WASTE MANAGEMENT	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
PPs Submission: Being Complied SMS slag after metal recovery is used for road making and same shall be maintain in propose expansion unit.		Date: 01/06/2024
67	GREENBELT	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.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
68	Noise Monitoring & Prevention	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
PPs Submission: Being Complied Being complied.		Date: 01/06/2024
69	Noise Monitoring & Prevention	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
70	Noise Monitoring & Prevention	Waste heat recovery system shall be provided for kiln and cooler.
PPs Submission: Complied Waste heat recovery system has already installed for kiln.		Date:

		01/06/2024
71	Noise Monitoring & Prevention	The project proponent shall provide waste heat recovery system on the DRI Kilns.
PPs Submission: Complied The WHRB already installed in DRI kiln		Date: 01/06/2024
72	Noise Monitoring & Prevention	Provide LED lights in their offices and residential areas.
PPs Submission: Being Complied Being complied.		Date: 01/06/2024
73	Noise Monitoring & Prevention	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
74	Noise Monitoring & Prevention	Practice hot charging of slabs and billets/blooms as far as possible.
PPs Submission: Being Complied Being complied.		Date: 01/06/2024
75	Noise Monitoring & Prevention	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
76	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.
PPs Submission: Being Complied Being complied.		Date: 01/06/2024
77	WASTE MANAGEMENT	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.
PPs Submission: Complied 100% fly ash is being utilized in fly ash Brick making.		Date: 01/06/2024
78	WASTE MANAGEMENT	In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.
PPs Submission: Being Complied The Gas generated from Coke oven is being utilized for power generation through WHRB and same shall be adopted in proposed expansion unit.		Date: 01/06/2024
79	MISCELLANEOUS	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.
PPs Submission: Complied The company has submitted the Environment statement for each financial year in form V in every year.		Date: 01/06/2024
80	Human Health Environment	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.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
81	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
PPs Submission: Complied Occupational health surveillance of the workers is being be done on a regular basis and records maintained		Date: 01/06/2024
82	Corporate Environmental Responsibility	"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. "
PPs Submission: Being Complied Socio Economic development is being carried out at all nearby villages and expenditure incurred to the submitted to the ministry alongwith the half yearly compliance report.		Date: 01/06/2024
83	MISCELLANEOUS	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.
PPs Submission: Complied Being displayed in company website at every six monthly.		Date: 01/06/2024
84	MISCELLANEOUS	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.
PPs Submission: Complied The Ambient and stack emission data is being monitored and data of monitored value is displayed at the main gate of the plant.		Date: 01/06/2024
85	MISCELLANEOUS	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.
PPs Submission: Being Complied Being Complied		Date: 01/06/2024
86	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
87	GREENBELT	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
PPs Submission: Complied Green belt has already been developed approx 39% of the total plant area. and most of the plant area is paved		Date: 01/06/2024
88	Corporate Environmental Responsibility	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.
PPs Submission: Complied The company have a well laid down the corporate Environmental Policy duly approved by Board of director. copy attached.		Date: 01/06/2024
89	Human Health Environment	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
PPs Submission: Being Complied Being implemented and complied.		Date: 01/06/2024
90	Human Health Environment	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.
PPs Submission: Being Complied Being complied		Date: 01/06/2024
91	Statutory compliance	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.
PPs Submission: Complied A full fledge Separate Environmental Cell has established headed by Associate Director level.		Date: 01/06/2024

92	MISCELLANEOUS	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.
PPs Submission: Complied The copy of granted Environment Clearance is published in Two Local Newspaper & displayed in the Company website.		Date: 01/06/2024
93	MISCELLANEOUS	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented.
PPs Submission: Complied The internal roads and connecting road is already made pucca.		Date: 01/06/2024
94	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
95	MISCELLANEOUS	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.
PPs Submission: Being Complied The expenditure incurred for CER is attached.		Date: 01/06/2024
96	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply Agreed.		Date: 01/06/2024
97	WASTE MANAGEMENT	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
PPs Submission: Complied Oil Collection pits is provided in oil cellars to collect and reuse/recycle spilled oil.		Date: 01/06/2024
98	WASTE MANAGEMENT	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
PPs Submission: Being Complied All generated E waste is being sent to the Authorized E recycler and record submitted to the CECB		Date:

regularly.		01/06/2024
99	WASTE MANAGEMENT	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.
PPs Submission: Being Complied All the solid waste generated is being utilized in process back and SMS slag is utilized for road making after metal recovery. BF slag sold to Cement industry and fly ash utilized for Brick making. and Same shall be adopted in proposed expansion also.		Date: 01/06/2024
100	WASTE MANAGEMENT	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
101	WASTE MANAGEMENT	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
PPs Submission: Agreed to Comply shall be complied.		Date: 01/06/2024
102	MISCELLANEOUS	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.
PPs Submission: Complied Not applicable. The plant is situated in Siltara industrial area in Raipur.		Date: 01/06/2024
103	Statutory compliance	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.
PPs Submission: Agreed to Comply Shall be complied.		Date: 01/06/2024
104	MISCELLANEOUS	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.
PPs Submission: Complied The copy of environment clearance has been submitted to the office of gram panchayat and local bodies.		Date: 01/06/2024
105	MISCELLANEOUS	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).

PPs Submission: Agreed to Comply
Noted for compliance.

Date:
01/06/2024

Visit Remarks

Last Site Visit Report Date:

02/02/2023

Additional Remarks: