



परिवेश  
PARIVESH  
(CPC GREEN)

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change



Back

## View Half Yearly Compliance Report at Project Proponent

### Proposal Details

**Proposal No**

IA/CG/IND/4250/2005

**Category**

Industrial Projects - 1

**Name of Project**

Expansion, Modernization of existing facilities along with integration of existing environmental clearances [Sponge Iron Plant 6,50,000 TPA; Capacity enhancement of Steel Melting Shop from 4,00,000 TPA to 7,00,000 TPA; Power generation 73 MW; Ferro Alloys 16,500 TPA; Pig iron 33,000 TPA; H.B. Wire 2,00,000 TPA; Oxygen 1200000 Nm<sup>3</sup>/Annum & Nitrogen 4500000 Nm<sup>3</sup>/Annum ; Fly ash brick plant 1,65,00,000 Nos./Annum, Iron ore beneficiation 32,84,000 TPA; Rolling Mill 4,00,000 TPA; Induction Furnace for Casting in place of Arc Furnace 5,000 TPA; Iron Ore Pellet Plant 27,00,000 TPA; Coal Gasification System 60,000 Nm<sup>3</sup>/hr to 92,000 Nm<sup>3</sup>/hr; Slag Crushing Plant 1,75,000 TPA and Mineral grinding unit 2,00,000 TPA.

**Plot / Survey/ Khasra No.****Village(s)****Sub-District(s)****State**

CHHATTISGARH

**District**

RAIPUR

**MoEF File No**

J-11011/326/2005-IA.II(I)

**Name of the Entity/****Corporate Office**

M/s Godawari Power & Ispat Ltd

**Entity's PAN**

\*\*\*\*\*7568H

**Entity Name as per PAN**

ARDENT STEEL LIMITED

Entity details mentioned above is correct ?

Agree

Covering Letter

Covering Letter

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Compliance Reporting Details

Reporting Year

2024

Reporting Period

01 Dec(01 Apr - 30 Sep)

Remark(if any)

Submission of six monthly compliance report for EC granted vide no.J11011/326/2005-IA.II(I) dated 01.12.2020 and its amendment dated 26.02.2021

Details of Production and Project Area

Date of Commencement of Project/Activity

02-03-2006

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	79.351	98.0059
Revenue Land	14.474	14.474
Forest	0	0
Others	0	0
Total	93.825	112.4799

Land Documents

NA

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	Ferro Alloys	Tons per Annum (TPA)	16500	16500	4784/TS/CECB/2024	31-08-2027	16444
2	Steel Billet	Tons per Annum (TPA)	700000	525000	4784/TS/CECB/2024	31-08-2027	479800

3	H. B. Wire	Tons per Annum (TPA)	200000	100000	4784/TS/CECB/2024	31-08-2027	81500
4	Rolling Mill	Tons per Annum (TPA)	400000	400000	4784/TS/CECB/2024	31-08-2027	238685
5	Iron Ore Pelletization Plant	Tons per Annum (TPA)	2700000	2700000	4784/TS/CECB/2024	31-08-2027	2438950
6	Power (AFBC/WHRB) and Biomass Power Plant	MW	73	73	4784/TS/CECB/2024	31-08-2027	60.38
7	Sponge Iron	Tons per Annum (TPA)	650000	594000		31-08-2027	593991

Conditions

Specific Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	GREENBELT	Connecting road to the plant with avenue plantation shall be maintained by PP. Traffic congestion on the road outside plant shall be avoided.	PPs Submission	Avenue plantation along the road of plant is developed and being maintained by GPIL. There is a separate entry and exit gate, Security staff deployed round the clock for traffic management. Complied 20-11-2024 Attachment:NA

2	MISCELLANEOUS	Appropriate and sufficient land shall be provided for parking of heavy vehicles.	PPs Submission	Sufficient parking space is provided for waiting vehicles at entry and also at exit gates. Complied 20-11-2024 Attachment:NA
3	AIR QUALITY MONITORING AND PRESERVATION	PP shall achieve the stack emission to less than 30 mg/Nm <sup>3</sup> from existing stacks in the plant by 31/03/2023.	PPs Submission	Stack emission achieved less than 30 mg/Nm <sup>3</sup> and 28 mg/Nm <sup>3</sup> in the stacks of Power plant - SID, FAD, SMS and Pellet Plant respectively. Copy of summarized Environmental Monitoring Report from Apr, 2024 to Sept, 2024 is attached as annex-I Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
4	MISCELLANEOUS	10 Nos of IF shall be phased out by 2022-23	PPs Submission	All small capacity furnaces of 7T have been phased out and 15 T and 12T furnaces are installed in place. Being Complied 20-11-2024 Attachment:NA
5	AIR QUALITY MONITORING AND PRESERVATION	PP shall carry out GHG emission and Carbon Footprint Study/ Carbon Budget for entire process in a time frame of two years. This study report must contain recommendation for minimizing the Carbon Footprint. These recommendations shall be implemented in a time bound manner and	PPs Submission	GHG emission and Carbon Footprint Study for the FY 2023-24 has been carried out by M/s SGS consulting (An accredited agency). Detailed decarbonisation program as per the recommendations of the report has been submitted and achievements against targets are attached as annex - IV. Complied 20-11-2024

		progress in this regard shall be reported to the Regional Office on an yearly basis – as of 31st March of each year.		Attachment: <a href="#">Click to View</a>
6	WASTE MANAGEMENT	In order to phase out the sludge drying beds, a filter press shall be installed by 31/03/2021 to dewater and dispose the sludge in dry form. Complete switch over to dry disposal of sludge shall be achieved latest by 31/12/2021.	PPs Submission	Filter press - thickener have been installed and operational at ETP to achieve dry disposal of ETP sludge. Photograph of the same is attached as annex-II Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
7	AIR QUALITY MONITORING AND PRESERVATION	Fugitive emissions shall be controlled by providing paved roads, industrial vacuum cleaners, water spray, covered sheds and by recycling the dust collected to the plant.	PPs Submission	Roads inside plant are RCC made. Vacuum cleaners are deployed to clean roads and collected dust is utilized. Water sprinkling system is installed on the internal roads as well as raw material yards. Photographs of the road sweeping machine attached as annex-XIV Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
8	WATER QUALITY MONITORING AND PRESERVATION	PP shall use groundwater 56100 m3/annum for domestic purpose only. Potential for rain water harvesting inside the plant is 483547 m3/annum. Therefore, potential of rain water harvesting within the plant	PPs Submission	Assessment/Survey of rain water harvesting potential done by M/s Retas Enviro solutions, New Delhi. Accordingly, rain water harvesting /recharge structures are constructed for estimated RWH of 483547m3/y. NOC is obtained from CGWA for ground water withdrawal and ground water being utilized for

		premises shall be harvested and recharged with monitoring facilities.		domestic purpose only. Photographs of the RWH implemented attached as annex-III. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
9	WATER QUALITY MONITORING AND PRESERVATION	Water consumption shall be brought down to less than 5 m <sup>3</sup> /t of steel as per CREP Charter and subsequently the same shall be reduced to 4.5 m <sup>3</sup> /t of steel by March, 2023.	PPs Submission	Company is producing steel through DRI route. Present specific water consumption for the FY 2023-24 has been achieved below 4.5 m <sup>3</sup> /t of steel. Various measures have been taken to brought down Water consumption. Old cooling towers of SID Ph-I, Ph- II and SMS are replaced with new efficient cooling towers and Waste water recycling - utilization optimized. New efficient TG set of 48 MW to replace 3 Nos. old TGs 2 x 9MW and 1 x 30 MW, installed. Complied 20-11-2024 Attachment:NA
10	WASTE MANAGEMENT	100% dolochar shall be used for power generation within the plant.	PPs Submission	Dolochar is being utilized in AFBC boilers of captive power plant as well as at M/s Jagdamba Power (A unit of M/s Godawari Power and Ispat Ltd Siltara, Raipur) and group units in siltara. Details of the generation / utilization is attached annex-XVI Complied 20-11-2024 Attachment: <a href="#">Click to View</a>

11	WASTE MANAGEMENT	100% waste utilization shall be practiced and dumping of waste shall not be permitted.	PPs Submission	<p>All the solid waste i.e Fly ash, ESP / bag filter dust, tailings, slag etc. are being utilized as per guidelines. Please refer annex V.</p> <p>Complied 20-11-2024</p> <p>Attachment: <a href="#">Click to View</a></p>
12	GREENBELT	40% Green Belt shall be developed in the plant area and outside within 5 km of the plant.	PPs Submission	<p>33 percent green belt developed with plantation of 93316 nos. inside plant premises and additional plantation of 68000 nos. is also done at Oxyzone-I and Oxyzone-II in an area of 52.13 ha till FY 2024-25 (Till Nov, 2024). The overall plantation is more than 40 percent of the total plant area. Photographs and plantation certification report is attached as annex VI.</p> <p>Complied 20-11-2024</p> <p>Attachment: <a href="#">Click to View</a></p>
13	ENERGY PRESERVATION MEASURES	A resource efficiency group shall be created to set annual targets for resource conservation and annual reports shall be furnished to RO.	PPs Submission	<p>Energy Resources Group, to manage the cost- effective implementation of environmental and energy efficient technologies formed. Group consist of persons from all divisions of the plant. Accordingly, GPIL has sets targets every year for energy and resource conservation. Initiatives taken in for energy / resource conservation is attached as annex-XV.</p> <p>Complied 20-11-2024</p>

Attachment: [Click to View](#)

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	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 Complied 20-11-2024 Attachment:NA
2	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 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	PPs Submission	Continuous emission monitoring system at all process stacks and 3 nos. Continuous AAQMS are installed and data is connected with CECB/CPCB server. Systems are being calibrated time to time. CAAQMS is under comprehensive maintenance contract to ensure timely rectification / calibration. The details of url, ID and Password of CEMS and CAAQMS enclosed. Complied 20-11-2024



			Attachment: <a href="#">Click to View</a>	
3	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	PPs Submission	Monitoring of fugitive dust emission at various locations / dust prone areas of the plant by NABL accredited laboratory on regular basis. Please refer annex I. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
4	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	To maintain the emission within prescribed standards, units have been equipped with Air Pollution Control Devices like ESPs, Bag Filters etc. Please refer annex VIII. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
5	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	PPs Submission	Installed bag filters are enabled to access leakage detection and mechanized bag cleaning. Complied 20-11-2024 Attachment: NA

6	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	Collected iron ore and coal fines in air pollution control devices are being reused in Iron ore Pelletization and DRI process. Complied 20-11-2024 Attachment:NA
7	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	PPs Submission	Tarpaulin covered transportation is used for iron ore, coal and other raw material to prevent spillage and dust generation. Complied 20-11-2024 Attachment:NA
8	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	PPs Submission	Suction hoods followed by Bag filter is installed at SMS. Complied 20-11-2024 Attachment:NA
9	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	PPs Submission	Raw material iron ore, coal, bentonite, limestone etc are being stored under covered shed and water sprinkling is being done for dust suppression.

				Complied 20-11-2024 Attachment:NA
10	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	Adequate air ventilation facilities are provided where ever required. Complied 20-11-2024 Attachment:NA
11	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 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF); S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	PPs Submission	Continuous effluent monitoring system for monitoring of pH, TSS, flow meter and PTZ camera installed and data is connected with CECB/CPCB server. ZLD is being maintained. Please refer annex IX. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
12	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 recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	PPs Submission	Ground water quality analysis is being carried out by NABL accredited lab. Complied 20-11-2024 Attachment:NA
13	WATER QUALITY MONITORING AND PRESERVATION	Adhere to 'Zero Liquid Discharge'.	PPs Submission	Waste water from all divisions is being taken to effluent

				<p>treatment plant and treated water being utilized further in water sprinkling / dust suppression and horticulture activities. Waste water recycling pits also constructed in divisions to collect and use directly where ever possible. Complied 20-11-2024 Attachment:NA</p>
14	WATER QUALITY MONITORING AND PRESERVATION	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	PPs Submission	<p>Sewage treatment system (2 modules) is installed for sewage treatment and treated water quality is analysed in-house as well as by NABL lab. Please refer annex X. Complied 20-11-2024 Attachment: <a href="#">Click to View</a></p>
15	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	<p>Garland drains and collection sump is constructed to arrest the surface run off during rains. Complied 20-11-2024 Attachment:NA</p>

16	Noise Monitoring & Prevention	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.	PPs Submission	Noise level monitoring is being carried out regularly and being submitted with six monthly compliance report. Complied 20-11-2024 Attachment:NA
17	ENERGY PRESERVATION MEASURES	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	PPs Submission	Solar lights are provided at common areas i.e all main gates, parking and garden areas. LED lights are used in plant at street lights as well as at shop floors / offices. Company has installed 70MW solar power plant to increase green power share in total power requirement. Solar power plant of 0.8MW capacity is also installed for captive use at Railway siding mandhar. Complied 20-11-2024 Attachment:NA
18	WASTE MANAGEMENT	Used refractories shall be recycled as far as possible.	PPs Submission	Part of used refractories are taken back by recyclers/suppliers and also use for pavement in house. Complied

				20-11-2024 Attachment:NA
19	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	100 percent utilization of fly ash generated from power plant is being carried out by supply to brick manufacturing units and cement plants. Copy of Fly Ash Return for FY 2023-24 is enclosed as Annexure VII. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
20	WASTE MANAGEMENT	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused in melting Furnaces.	PPs Submission	Mill scale /metallic sludge generated from rolling mill scale pit, is being reutilized in pellet manufacturing. Complied 20-11-2024 Attachment:NA
21	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.	PPs Submission	Kitchen waste is being converted into compost through mechanical compost convertor and being utilized as manure in green belt. Complied 20-11-2024 Attachment:NA

22	GREENBELT	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	PPs Submission	33 percent green belt developed with plantation of 93316 nos. inside plant premises and additional plantation of 68000 nos. is also done at Oxyzone-I and Oxyzone-II in an area of 52.13 ha till FY 2024-25 (Till Nov, 2024). The overall plantation is more than 40 percent of the total plant area. Photographs and plantation certification report is attached as annex VI. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
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23	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 including plantation.	PPs Submission	GHG emission and Carbon Footprint Study for the FY 2023-24 has been carried out by M/s SGS consulting (An accredited agency). Detailed decarbonisation program as per the recommendations of the report has been submitted and achievements against targets are attached as annex - IV. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
24	PUBLIC HEARING	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	PPs Submission	Emergency preparedness plan based on HIRA, is prepared and implemented. Complied 20-11-2024 Attachment:NA
25	PUBLIC HEARING	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.	PPs Submission	Heat stress analysis for the workmen who work in high temperature work zone area has been carried out by ARVIND INDUSTRIAL HYGIENE CONSULTANCY RAIPUR (C.G.) in the year 2024 and the report is enclosed as annex XI. Complied 20-11-2024



				Attachment: <a href="#">Click to View</a>
26	PUBLIC HEARING	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	PPs Submission	Full fledged OHC has been set up in plant premises for regular health screening of workers. The records are maintained and the same are submitted to the Office of Dy. Director, Industrial Health and Safety, Raipur. Complied 20-11-2024 Attachment:NA
27	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.	PPs Submission	Various activities being done under CSR in areas of Health, Education, Infrastructure, Community development and cultural. Details of the expenses and activities are attached as annex XII. Being Complied 28-11-2024 Attachment: <a href="#">Click to View</a>
28	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 /	PPs Submission	Company has Integrated Management Policy (IMS policy) for Safety, Health and Environment which is approved by

		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.		board of directors. Complied 20-11-2024 Attachment:NA
29	Corporate Environmental Responsibility	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	Environmental cell with qualified staff is formed to address and comply with the environmental norms/guidelines. Environment cell is headed by EMS-Head, who is reporting the issues to COO. Complied 20-11-2024 Attachment:NA
30	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	Copy of the EC is published in local and national news papers. Please refer annex XIII. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>

31	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	Copy of EC is submitted to local bodies, Panchayats in addition to the relevant offices of the Government. Complied 20-11-2024 Attachment:NA
32	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	Status of compliance of the environment clearance conditions including results of monitored data is being uploaded on website of GPIL and updated Six monthly basis. Complied 20-11-2024 Attachment:NA
33	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	Continuous emission monitoring system at all process stacks and 3 nos. Continuous AAQMS are installed and data is connected with CECB/CPCB server. Systems are being calibrated time to time. CAAQMS is under comprehensive maintenance contract to ensure timely

				rectification / calibration. The details of url, ID and Password of CEMS and CAAQMS enclosed. Complied 20-11-2024 Attachment: <a href="#">Click to View</a>
34	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	Status of compliance of the EC conditions including results of monitored data is being uploaded on MoEF website as well as websites of GPIL and updated six monthly basis. Complied 20-11-2024 Attachment:NA
35	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	Environment statement report is being submitted regularly. ES for the year 23-24 has been submitted. Complied 20-11-2024 Attachment:NA
36	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	PPs Submission	Complied Complied 20-11-2024 Attachment:NA

		production operation by the project.		
37	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	Compliance in progress Being Complied 20-11-2024 Attachment:NA
38	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 Agreed to Comply 20-11-2024 Attachment:NA
39	MISCELLANEOUS	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.	PPs Submission	Agreed Agreed to Comply 20-11-2024 Attachment:NA
40	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	PPs Submission	Noted Agreed to Comply 20-11-2024 Attachment:NA
41	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	PPs Submission	Noted Agreed to Comply 20-11-2024 Attachment:NA
42	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. Agreed to Comply 20-11-2024 Attachment:NA

43	MISCELLANEOUS	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.	PPs Submission	Noted Complied 20-11-2024 Attachment:NA
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Document uploaded by the PP

Last Site Visit Report (if available)

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Last Site Visit Report Date (if available)

26-04-2023

Additional Attachment (if any)

NA

Additional Remarks (if any)

☒ I '[M/s Godawari Power & Ispat Ltd](#)' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From RO/SRO

Cover Letter From RO/SRO

Back

**Half Yearly Compliance Report****2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

<b>Proposal Name</b>	Expansion Proposal of Iron Ore Beneficiation Plant from 3.284 MTPA to 5.657 MTPA, Iron Ore Pelletization Plant from 2.7 MTPA to 4.7 MTPA along with Coal Gasification Plant 92000 Nm3/hr to 151500 Nm3/hr and Mineral Grinding Plant from 0.2 MTPA to 0.4 MTPA for manufacturing of Magnetitic Powder within existing facilities.		
<b>Name of Entity / Corporate Office</b>	M/s Godawari Power and Ispat Limited		
<b>Village(s)</b>	Siltara		
<b>District</b>	RAIPUR		
<b>Proposal No.</b>	IA/CG/IND/450818/2023	<b>Category</b>	Industrial Projects - 1
<b>Plot / Survey / Khasra No.</b>		<b>Sub-District</b>	Raipur
<b>State</b>	CHHATTISGARH	<b>Entity's PAN</b>	*****7568H
<b>MoEF File No.</b>	IA-J-11011/384/2005-IA.II (IND-I)	<b>Entity name as per PAN</b>	ARDENT STEEL LIMITED

**Compliance Reporting Details**

<b>Reporting Year</b>	2024
<b>Remarks (if any)</b>	Submission of six monthly compliance status report for EC granted vide no. J-11011/326/2005-IA.II(IND-I) dt 04.03.2024.
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)

**Details of Production and Project Area**

**Name of Entity / Corporate Office** M/s Godawari Power and Ispat Limited

	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	98.0059	98.0059
Revenue Land	14.474	14.474
Forest	0	0
Others	0	0
Total	112.4799	112.4799

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Iron Ore Pelletization Plant	Tons per Annum (TPA)	N/A	4700000	-	CTE Obtained vide no. 3471/TS/CECB/2024 dt 24.07.2024
2	Iron Ore Beneficiation	Tons per Annum (TPA)	N/A	5657000	-	CTE Obtained vide no. 3471/TS/CECB/2024 dt 24.07.2024
3	Wet Mineral Grinding Plant	Tons per Annum (TPA)	N/A	400000	-	CTE Obtained vide no. 3471/TS/CECB/2024 dt 24.07.2024
4	Coal Gasification System for Iron Ore Pellet Plant	Cu.M/Hr	N/A	151500	-	CTE Obtained vide no. 3471/TS/CECB/2024 dt 24.07.2024

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	WATER QUALITY MONITORING AND PRESERVATION	There is a canal adjacent to the to the project site along with other water bodies within the study area 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.
<b>PPs Submission:</b> Being Complied Necessary measures i.e. cleaning, weeding, de- silting, re-shaping, and other appropriate measures shall be taken to ensure conservation of adjacent to conserve natural drainage canal. Rain water Harvesting potential assessment is done for the proposed area and required RWH structures shall be constructed during execution of the project. ZLD conditions shall be maintained.		Date: 21/12/2024
2	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.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
3	Statutory compliance	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.
<b>PPs Submission:</b> Agreed to Comply Agreed, the compliance of all the conditions applicable to CEPI for the proposed expansion activities shall be implemented.		Date: 21/12/2024
4	Risk Mitigation and Disaster	The project proponent shall comply with all the environmental



	Management	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.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
5	AIR QUALITY MONITORING AND PRESERVATION	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.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
6	Human Health Environment	Tanda Village is adjacent in East of the project site along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
<b>PPs Submission:</b> Complied Appropriate environmental safeguard measures are taken to minimise the impact on the habitation of the locals as under; (i) The pollution control facilities of plant are designed to achieve a maximum emission of less than 30 mg/Nm <sup>3</sup> of particulate matter. Continuous water sprinklers have been installed to control the dust emission. (ii) Three tire plantations are provided along the eastern boundary of the plant. School is located about 0.57 KM from eastern boundary. (iii) Greenery is provided with plantation of 300 Nos. Of trees at the boundary of the school. (iv) To control Noise pollution, noise abatement measures have already been taken like installation of protective instruments, provision of acoustic lagging for the equipment and suction side silencers and use of low noise equipment, green belt development and maintenance of roads and vehicles. (v) Periodic Air Quality Monitoring (AAQM) is being conducted at the school and the values are observed to be within prescribed standards of National Ambient Air Quality Standards (NAAQS). The developed greenbelt photographs in school are attached as Annexure -1a .		Date: 21/12/2024
7	Statutory compliance	The total water requirement of 12053 KLD shall be met from Chhattisgarh Ispat Bhoomi Limited. PP shall obtain necessary permissions from the Competent Authority. Ground water shall only be used for domestic purpose.
<b>PPs Submission:</b> Being Complied Agreed The company has an agreement for supply of water with Chhattisgarh Ispat Bhoomi Limited for its industrial use in integrated steel facilities for present and post expansion requirement. The company has also obtained the permission from Central Ground Water Board for withdrawal of 479 KL/day for drinking and sanitation purpose. Apart from above, necessary permission shall be taken to meet an additional requirement.		Date: 21/12/2024
8	GREENBELT	Three tier Green Belt shall be developed in at least 40% of the project area in a period of 1 year along the project site and outside within 5 km of the plant of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as

		green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC
<b>PPs Submission: Complied</b> 33 percent green belt developed with plantation of 93316 nos. inside plant premises and additional plantation of 68000 nos. is also done at Oxyzone-I and Oxyzone-II in an area of 52.13 ha. The overall plantation is more than 40 percent of the total plant area. Thick green belt along the boundary of the area under expansion shall be developed as per the guidelines. Plantation activity is under progress. Tree density is being maintained 2500 per ha. Survival rate of green belt developed is being monitored regularly on periodic basis by engaging third party as well as in-house team members and gap filling is being done by replacing damaged plant with new plants. Green belt has also been developed as shelter belt to control and act as green barrier for air pollution and noise levels. Photographs and plantation certification report is attached as annex 2.		Date: 21/12/2024
9	PUBLIC HEARING	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. 9.105 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
<b>PPs Submission: Being Complied</b> Agreed Details of the expenses incurred under socio-economic development of the nearby villages during April 24 to Sept 24 are attached as Annex- 3.		Date: 21/12/2024
10	PUBLIC HEARING	PP shall undertake village adoption programme as committed and implement the action plan to develop them into a model village.
<b>PPs Submission: Being Complied</b> Company has taken 8 Nos. nearby villages for various activities under CSR. However, CSR activities more focused on 2 Nos. village Tanda and Siltara as project land falls under these 2 villages. Various activities are undertaken in areas of education, health, infrastructure, community development etc.		Date: 21/12/2024
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	WASTE MANAGEMENT	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
<b>PPs Submission: Complied</b> All the electronic waste generated in the industry is being handed over to the authorized recycler only and periodic reports are being submitted to the board regularly.		Date: 21/12/2024
2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces
<b>PPs Submission: Agreed to Comply</b> Primary and secondary fume extraction system at all heat treatment furnaces shall be provided.		Date: 21/12/2024
3	AIR QUALITY MONITORING AND PRESERVATION	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.

<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
4	AIR QUALITY MONITORING AND PRESERVATION	"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.
<b>PPs Submission:</b> Complied Adequate additional arrangement to control fugitive emission are taken: (i) Dust suppression is being done by water sprinkling systems as well as truck mounted water sprinkling system in the project areas to control fugitive emission. (ii) Tarpaulin covered vehicles is used during transportation of materials. (iii) Wheel wash system available to control wheel generated dust/muck.		Date: 21/12/2024
5	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
<b>PPs Submission:</b> Agreed to Comply Adequate air ventilation facilities will be provided where ever required.		Date: 21/12/2024
6	AIR QUALITY MONITORING AND PRESERVATION	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
7	AIR QUALITY MONITORING AND PRESERVATION	Briquetting and Jigging plant shall be installed in Ferro Alloys Plant
<b>PPs Submission:</b> Complied No Ferro alloy plant are proposed		Date: 21/12/2024
8	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.
<b>PPs Submission:</b> Complied Agreed, Dust suppression is being done by water sprinkling systems as well as truck mounted water sprinkling system in the project areas to control fugitive emission.		Date: 21/12/2024
9	AIR QUALITY MONITORING AND PRESERVATION	The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
<b>PPs Submission:</b> Complied Not applicable		Date: 21/12/2024
10	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.
<b>PPs Submission:</b> Complied Agreed		Date: 21/12/2024
11	AIR QUALITY MONITORING AND PRESERVATION	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 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.</p>
<b>PPs Submission:</b> Being Complied All the process stacks of existing units of the plant have been equipped with continuous emission monitoring system as per guidelines. And for the proposed units, CEMS will be installed during erection of plant. The detail of cems installed in the stack of existing units is enclosed as Annexure - 4. 3 nos. Continuous AAQMS are installed in the premises of plant for monitoring ambient air quality (PM10, PM2.5, SO2, NOx, CO). The real time data of CEMS and AAQMS is connected with CECB / CPCB server. Systems are being calibrated time to time. CAAQMS is under comprehensive maintenance contract to ensure timely rectification and calibration.		Date: 21/12/2024
12	AIR QUALITY MONITORING AND PRESERVATION	<p>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 and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.</p>
<b>PPs Submission:</b> Being Complied 3 nos. Continuous AAQMS are installed within the premises of plant for monitoring ambient air quality (PM10, PM2.5, SO2, NOx, CO). The real time data of AAQMS is connected with CECB/CPCB server. Systems are being calibrated time to time. CAAQMS is under comprehensive maintenance contract to ensure timely rectification and calibration. We have further planned to install additional Continuous Ambient Air Quality monitoring systems at expansion unit before commissioning of the proposed units as per the guidelines. Apart from above, we have engaged NABL accredited laboratory for monitoring of Ambient Air Quality for the parameters PM10, PM2.5, SO2, NOx etc. and the monitoring reports are being submitted to pollution control board regularly.		Date: 21/12/2024
13	AIR QUALITY MONITORING AND PRESERVATION	<p>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.</p>
<b>PPs Submission:</b> Complied Agreed, Monitoring of fugitive dust emission at various locations / dust prone areas of existing units of the plant by NABL accredited laboratory on regular basis. Please refer annex 1.		Date: 21/12/2024
14	AIR QUALITY MONITORING AND PRESERVATION	<p>Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.</p>

<b>PPs Submission:</b> Agreed to Comply Agreed Sampling facilities at process stacks of existing units have been provided and the same will be followed for stack of proposed unit also.		Date: 21/12/2024
15	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
<b>PPs Submission:</b> Agreed to Comply To maintain the emission within prescribed standards, units will be equipped with Air Pollution Control Devices like ESPs, Bag Filters etc.		Date: 21/12/2024
16	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.
<b>PPs Submission:</b> Agreed to Comply Collected iron ore fines, lime fines etc in air pollution control devices will be reused.		Date: 21/12/2024
17	AIR QUALITY MONITORING AND PRESERVATION	The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF
<b>PPs Submission:</b> Complied Not Applicable		Date: 21/12/2024
18	AIR QUALITY MONITORING AND PRESERVATION	Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10 mg/m3 for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants.
<b>PPs Submission:</b> Being Complied Following measures are taken: Engineering Controls: (i) local exhaust ventilation systems are provided at production points where silica/quartz dust is generated. (ii) water sprays and other dust suppression systems shall be used to minimize airborne dust. PPE: (i) Use of PPEs to minimize inhalation risks. Regular Training and Awareness (i) Regular training sessions for workers on Awareness on the health risks associated with silica/quartz exposure (ii) Safe work practises to minimize dust generation Monitoring: (i) Regular Monitoring		Date: 21/12/2024
19	AIR QUALITY MONITORING AND PRESERVATION	No Ferro-chrome production shall be carried out without prior Environmental clearance from MOEF&CC.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
20	ENERGY PRESERVATION MEASURES	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
<b>PPs Submission:</b> Agreed to Comply Noted		Date: 21/12/2024

21	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
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
22	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.
<b>PPs Submission:</b> Being Complied Assessment/Survey of rain water harvesting potential for existing plant done by M/s Retas Enviro solutions, New Delhi. Accordingly, rain water harvesting /recharge structures are constructed for estimated RWH of 483547m3/y. Further new RWH structures shall be constructed in expansion area. NOC is obtained from CGWA for ground water withdrawal and ground water being utilized for domestic purpose only. Photographs of the RWH implemented attached as annex-7.		Date: 21/12/2024
23	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.
<b>PPs Submission:</b> Complied No New Rolling Mill is proposed, however existing Mills have such facilities in line with the requirements.		Date: 21/12/2024
24	WATER QUALITY MONITORING AND PRESERVATION	Air Cooled condensers shall be used in the captive power plant.
<b>PPs Submission:</b> Complied Air cooled condenser has been used in the existing WHRB based power plant of capacity 25 MW and no new power generation unit is proposed in this expansion proposal.		Date: 21/12/2024
25	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.
<b>PPs Submission:</b> Complied Ambient noise level is being monitored regularly to check noise level and results are found well within the prescribed standard. (Copy of Report is enclosed as Annexure - 1 ).		Date: 21/12/2024
26	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.
<b>PPs Submission:</b> Complied Agreed, Heat stress analysis for the workmen who work in high temperature work zone area has been carried out by ARVIND INDUSTRIAL HYGIENE CONSULTANCY RAIPUR (C.G.) in the year 2024 for existing units of the plant and the report is enclosed as annex 8. Noise level monitoring is being carried out regularly and being submitted with six monthly compliance report.		Date: 21/12/2024
27	ENERGY PRESERVATION MEASURES	Restrict Gas flaring to < 1%.
<b>PPs Submission:</b> Agreed to Comply No such Units exists		Date:

		21/12/2024
28	ENERGY PRESERVATION MEASURES	Provide LED lights in their offices and residential areas.
<b>PPs Submission:</b> Complied Agreed Solar lights are provided at common areas i.e all main gates, parking and garden areas. LED lights are used in plant at street lights as well as at shop floors and offices. Company has installed 95MW solar power plant for captive use to increase green power share in total power requirement. Solar power plant of 0.8MW capacity is also installed for captive use at Railway siding of company.		Date: 21/12/2024
29	WATER QUALITY MONITORING AND PRESERVATION	Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
30	WATER QUALITY MONITORING AND PRESERVATION	Water meters shall be provided at the inlet to all unit processes in the plants.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
31	PUBLIC HEARING	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.
<b>PPs Submission:</b> Complied Agreed, Heat stress analysis for the workmen who work in high temperature work zone area has been carried out by ARVIND INDUSTRIAL HYGIENE CONSULTANCY RAIPUR (C.G.) in the year 2024 for existing units of the plant and the report is enclosed as annex 8.		Date: 21/12/2024
32	PUBLIC HEARING	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.
<b>PPs Submission:</b> Complied Necessary infrastructure and facilities has been made for the housing of construction labour with all necessary infrastructure and facilities.		Date: 21/12/2024
33	PUBLIC HEARING	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
<b>PPs Submission:</b> Complied Full-fledged OHC has been set up in plant premises for regular health screening of workers. The records are maintained and the same are submitted to the Office of Dy. Director, Industrial Health and Safety, Raipur.		Date: 21/12/2024
34	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

<b>PPs Submission:</b> Agreed to Comply Agreed, Leakage detection and mechanized bag cleaning facilities will be provided in the air pollution control system i.e. bag filter system.		Date: 21/12/2024
35	AIR QUALITY MONITORING AND PRESERVATION	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
<b>PPs Submission:</b> Complied Vacuum cleaners are deployed to clean roads and collected dust is utilized. Water sprinkling system is installed on the internal roads as well as raw material yards. Photographs of the road sweeping machine attached as annex-5.		Date: 21/12/2024
36	AIR QUALITY MONITORING AND PRESERVATION	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
<b>PPs Submission:</b> Agreed to Comply Tarpaulin covered vehicles will be used during transportation of raw materials, finished product, solid waste disposal etc. Raw materials will be conveyed through covered conveying system.		Date: 21/12/2024
37	AIR QUALITY MONITORING AND PRESERVATION	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.
<b>PPs Submission:</b> Being Complied Adequate air pollution control systems like ESP, Bag filter etc will be installed in proposed expansion units to control air emission within prescribed norms. Dust suppression is being done by water sprinkling systems as well as truck mounted water sprinkling system in the project areas to control fugitive emission.		Date: 21/12/2024
38	AIR QUALITY MONITORING AND PRESERVATION	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
39	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.
<b>PPs Submission:</b> Agreed to Comply Adequate air pollution control systems like ESP, Bag filter etc will be installed in stack of proposed unit to control air emission within prescribed norms. Online continues Emission Monitoring System will be installed at stack for measurement of particulate matter and the real time data of CEMS will be connected upto server.		Date: 21/12/2024
40	WATER QUALITY MONITORING AND	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water,



	PRESERVATION	practicing cascade use and by recycling treated water.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
41	WATER QUALITY MONITORING AND PRESERVATION	Tailing management plan shall be implemented as included in EIA report
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
42	WATER QUALITY MONITORING AND PRESERVATION	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
43	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.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
44	ENERGY PRESERVATION MEASURES	The dolochar generated shall be used for power generation.
<b>PPs Submission:</b> Complied Dolochar is being utilized in AFBC boilers of captive power plant as well as at M/s Jagdamba Power (A unit of M/s Godawari Power and Ispat Ltd Siltara, Raipur) and group units in siltara. Details of the generation and utilization is attached annex-9.		Date: 21/12/2024
45	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 <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . 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.
<b>PPs Submission:</b> Agreed to Comply Agreed		Date: 21/12/2024
46	ENERGY PRESERVATION MEASURES	Practice hot charging of slabs and billets/blooms as far as possible.

<b>PPs Submission:</b> Complied Hot charging practice is adopted for billets.		Date: 21/12/2024
47	ENERGY PRESERVATION MEASURES	Ensure installation of regenerative type burners on all reheating furnaces.
<b>PPs Submission:</b> Agreed to Comply No such Units (i.e. RHF) exists in the project.		Date: 21/12/2024
48	ENERGY PRESERVATION MEASURES	The project proponent shall provide waste heat recovery system on the DRI Kilns
<b>PPs Submission:</b> Complied All the existing DRI kiln are provided waste heat recovery system to generate 42MW power.		Date: 21/12/2024
49	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.
<b>PPs Submission:</b> Complied Company has Integrated Management Policy (IMS policy) for Safety, Health and Environment which is approved by board of directors.		Date: 21/12/2024
50	Corporate Environmental Responsibility	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.
<b>PPs Submission:</b> Complied Environmental cell with qualified staff is formed to address and comply with the environmental norms/guidelines. Environment cell is headed by EMS-Head, who is reporting the issues to COO.		Date: 21/12/2024
51	Corporate Environmental Responsibility	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
<b>PPs Submission:</b> Agreed to Comply Performance test of all existing pollution control systems on periodic basis is being done and reports are submitted to pollution control board. Performance test of pollution control system for proposed unit will also be done on periodic basis.		Date: 21/12/2024
52	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.
<b>PPs Submission:</b> Complied		Date:

Copy of the EC is published in local and national news papers. Please refer annex 13.		21/12/2024
53	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.
<b>PPs Submission:</b> Complied Copy of EC is submitted to local bodies, Panchayats in addition to the relevant offices of the Government.		Date: 21/12/2024
54	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.
<b>PPs Submission:</b> Complied Status of compliance of the environment clearance conditions including results of monitored data is being uploaded on website of GPIL and updated Six monthly basis.		Date: 21/12/2024
55	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.
<b>PPs Submission:</b> Complied The monitoring data results uploaded on website of company regularly and the data also put the public domain through display boards installed at Plant Main Gate.		Date: 21/12/2024
56	MISCELLANEOUS	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
<b>PPs Submission:</b> Being Complied Agree and compliance is in process.		Date: 21/12/2024
57	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.
<b>PPs Submission:</b> Complied Environment statement report is being submitted regularly. ES for the year 23-24 has been submitted for the existing unit. Environmental data of proposed units will also be incorporated during next Environment statement report submission.		Date: 21/12/2024
58	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.
<b>PPs Submission:</b> Complied Complied		Date: 21/12/2024
59	ENERGY PRESERVATION MEASURES	The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.

<b>PPs Submission:</b> Being Complied Being followed		<b>Date:</b> 21/12/2024
60	ENERGY PRESERVATION MEASURES	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
<b>PPs Submission:</b> Agreed to Comply No such Units exists where torpedo ladle is required		<b>Date:</b> 21/12/2024
61	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.
<b>PPs Submission:</b> Complied NOC form CGWA obtained vide NOC no. CGWA/NOC/IND/REN/2/2024/9372; Dated: 08.04.2024 with validity upto 25.02.2027. (Copy of NOC is enclosed as Annexure -6).		<b>Date:</b> 21/12/2024
62	ENERGY PRESERVATION MEASURES	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.
<b>PPs Submission:</b> Agreed to Comply Agreed, tar generated from coal gasifier plant will be sold to authorized recyclers as well as used in pellet plant for energy recovery.		<b>Date:</b> 21/12/2024
63	WASTE MANAGEMENT	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil
<b>PPs Submission:</b> Agreed to Comply Noted		<b>Date:</b> 21/12/2024
64	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.
<b>PPs Submission:</b> Complied All kitchen waste are converted into compost and being used in horticulture activities.		<b>Date:</b> 21/12/2024
65	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.
<b>PPs Submission:</b> Complied 100 percent utilization of fly ash generated from existing power plant is being carried out by supply to brick manufacturing units and cement plants. Copy of Fly Ash Return for FY 2023-24 is enclosed as Annexure 10.		<b>Date:</b> 21/12/2024
66	PUBLIC HEARING	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
<b>PPs Submission:</b> Complied Emergency preparedness plan based on HIRA, is prepared and implemented.		<b>Date:</b> 21/12/2024

67	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.
<b>PPs Submission:</b> Complied Solid waste management: (a) We have slag crushing unit for metal recovery. Mag part of slag is being reused in SMS division and Non-mag part is being provided to outside agencies for further beneficial utilization. (b) All the solid waste i.e Fly ash, ESP -bag filter dust, tailings, slag etc. generated from existing units of the plant are being utilized as per guidelines. Please refer annex 11. (c) Part of used refractories are taken back by recyclers/suppliers and also use for pavement in house.		Date: 21/12/2024
68	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
<b>PPs Submission:</b> Being Complied Compliance in progress		Date: 21/12/2024
69	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 sixmonthly compliance report to the concerned Regional Office of the MoEF&CC.
<b>PPs Submission:</b> Agreed to Comply There are no any Schedule-I species in around the project site.		Date: 21/12/2024
70	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.
<b>PPs Submission:</b> Being Complied Agreed and being complied.		Date: 21/12/2024
71	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).
<b>PPs Submission:</b> Agreed to Comply Noted		Date: 21/12/2024
72	MISCELLANEOUS	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
<b>PPs Submission:</b> Agreed to Comply Noted		Date: 21/12/2024

73	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Agreed to Comply Noted		Date: 21/12/2024
74	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
PPs Submission: Agreed to Comply Agreed		Date: 21/12/2024
75	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 Noted		Date: 21/12/2024
76	MISCELLANEOUS	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
PPs Submission: Agreed to Comply Noted		Date: 21/12/2024
77	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: Agreed to Comply Agreed Zero Liquid Discharge will be maintained.		Date: 21/12/2024
78	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: Complied We have slag crushing unit for metal recovery. Mag part of slag is being reused in SMS division and Non-mag part is being provided to outside agencies for further beneficial utilization.		Date: 21/12/2024
79	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 No such unit Exists or proposed		Date: 21/12/2024
80	WASTE MANAGEMENT	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.

<b>PPs Submission:</b> Agreed to Comply No such unit Exists or proposed		<b>Date:</b> 21/12/2024
81	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.
<b>PPs Submission:</b> Complied GHG emission and Carbon Footprint Study for the FY 2023-24 has been carried out by M/s SGS consulting (An accredited agency). Detailed decarbonisation program as per the recommendations of the report has been submitted and achievements against targets are attached as annex - 12.		<b>Date:</b> 21/12/2024
82	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
<b>PPs Submission:</b> Complied GHG emission and Carbon Footprint Study for the FY 2023-24 has been carried out by M/s SGS consulting (An Accredited agency). Detailed decarbonisation program as per the recommendations of the report has been prepared and target framed, details attached as annex - 12.		<b>Date:</b> 21/12/2024
83	GREENBELT	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
<b>PPs Submission:</b> Complied Extensive plantation and paving is done in the plant area to arrest soil erosion and dust pollution.		<b>Date:</b> 21/12/2024
84	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 socioeconomic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
<b>PPs Submission:</b> Being Complied Various activities are being done under CSR in areas of Health, Education, Infrastructure, Community development and cultural. Details of the expenses and activities are attached as annex 3.		<b>Date:</b> 21/12/2024
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.
<b>PPs Submission:</b> Complied Agree and being followed.		<b>Date:</b> 21/12/2024
86	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 Noted		Date: 21/12/2024
87	AIR QUALITY MONITORING AND PRESERVATION	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m <sup>3</sup> , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
PPs Submission: Agreed to Comply Noted		Date: 21/12/2024
88	AIR QUALITY MONITORING AND PRESERVATION	Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
PPs Submission: Complied No new induction and Reheating furnace is proposed. However existing IF are attached with FES followed by bagfilters and CEMS is installed at stack with connectivity to CECB/CPCB server. However Existing induction furnaces equipped with CEMS and reports are being submitted to the MoEF and CC regularly.		Date: 21/12/2024
89	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 No induction and Reheating furnace is proposed		Date: 21/12/2024
90	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: Agreed to Comply Agreed		Date: 21/12/2024
91	ENERGY PRESERVATION MEASURES	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 No such Units (i.e. RHF) exists		Date: 21/12/2024
<b>Visit Remarks</b>		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p><b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		