

## EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : JA/CG/IND/4250/2005

### 1. Name of the Entity / Corporate Office :

File No. :	J-11011/326/2005-IA.II(I)	Proposal Name :	Expansion / Modernization of existing facilities of Godawari Power and Ispat Ltd. & subsequent Merger of various ECs by GODAWARI POWER & ISPAT LTD.
Date Of EC. :	01 Dec 2020	EC Letter :	
Name of the Entity / Corporate Office :	Godawari Power and Ispat Ltd	Email Address :	tonmoy.bose@hiragroup.com
Address :	Plot No. 428/2, Phase-I, Industrial Area, Siltara, Raipur - 493111 (Chhattisgarh)	Mobile No :	9993000739

### 2. Proponent Details :

Proponent Name :	Tonmoy	Designation :	Head - Corporate Affairs
Telephone No. :	771-4082000	Mobile No. :	+91 9993000739
Fax No. :	771-4057601	Email Address :	tonmoy.bose@hiragroup.com
Website :	www.godawaripowerispat.com	Pin Code :	492001
State :	Chhattisgarh	District :	Raipur
Village/Town :	Raipur		

### 3. Compliance Letter/Report (Proponent):

Compliance Period :	2022 / 01 Jun (01 Oct - 31 March)	Compliance Submission Date :	08 Jul 2022 12:07:15:937
Remarks :	Submission of Six monthly compliance report of EC granted vide No. J-11011/326/2005-IA.II(I) dated 1st December, 2020 and its amendment dated 26th February, 2021.		
Site Visit Report :	N/A	Site Visit Date :	N/A
ATR Report :	N/A	ATR Date :	N/A
Additional Attachment (If Any) :	N/A	Additional Remarks (If Any) :	

### 4. Summary Status of Compliance :



Total Condition :	56		
Complied :	25	Being Complied :	25
Not Complied :	0	Partially Complied :	1
Agreed to Comply :	5		

### 5. Details of Production and Project Area :


Date of Commencement of Project/Activity :		02 Mar 2006	Project Area as Per EC Granted (In Case of Mine Lease):		93.82
Actual Project Area(In Case of Mine Lease):		93.82			
PRODUCTION CAPACITY :					
S.No	Name of the Product	Units	As per EC granted	Production during last financial year	
1	Sponge Iron	Tons per Annum (TPA)	650000	494982	
2	Steel Billet	Tons per Annum (TPA)	700000	327050.41	
3	Power (AFBC/WHRB) & Biomass Power Plant	MW	73	54.1	
4	Ferro Alloys	Tons per Annum (TPA)	16500	16152.2	
5	H.B. Wire	Tons per Annum (TPA)	200000	18400.197	
6	Iron Ore Beneficiation Plant	Tons per Annum (TPA)	3284000	2214748.19	
7	Oxygen Plant	Others	1200000	1138127	
8	Nitrogen Plant	Others	4500000	896044	
9	Iron Ore Pelletization Plants	Tons per Annum (TPA)	2400000	2399500	
10	Rolling Mill	Tons per Annum (TPA)	400000	130606.717	
11	Arc Furnace	Tons per Annum (TPA)	5000	0	
12	Mineral Grinding Plant	Tons per Annum (TPA)	200000	0	






### 6. Specific Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	40% Green Belt shall be developed in the plant area and outside within 5 km of the plant.	Complied	33% green belt develop achieved inside plant premises and remaining plantation is done at "Oxyzone" in an area of 102 acre with overall plantation more than 40%.		
2	Water consumption shall be brought down to less than 5 m <sup>3</sup> /t of steel as per CREP Chapter and subsequently the same shall be reduced to 4.5 m <sup>3</sup> /t of steel within two years.	Being Complied	Various measures are being taken to brought down Water consumption less than 4.5 m <sup>3</sup> /t of steel by March, 2023. Old cooling towers of SMS, are replaced with new high efficiency cooling towers.	N/A	
3	Appropriate and sufficient land shall be provided for parking of heavy vehicles.	Complied	Sufficient parking space is provided for waiting vehicles at entry and also at exit gate.	N/A	
4	A resource efficiency group shall be created to set annual targets for resource conservation and annual reports shall be furnished to RO.	Complied	Energy Resources Group, to manage the cost- effective implementation of environmental and energy efficient technologies is formed. Group consist of persons from all field.	N/A	
5	100% waste utilization shall be practiced and dumping of waste shall not be permitted.	Complied	All the solid waste i.e Fly ash, ESP & bag filter dust / coal fines, char, tailings, slag etc. are being utilized as per guidelines.		
6	Connecting road to the plant with avenue plantation shall be maintained by PP. Traffic congestion on the road outside plant shall be avoided.	Complied	Avenue plantation along the road of plant is developed & being maintained by GPIL. There is a separate entry & exit gate, Security staff deployed round the clock for traffic management.	N/A	
7	Stack emissions shall be less than 30 mg/Nm <sup>3</sup> from all stacks in the plant.	Partially Complied	Modification is under progress to achieve stack emission less than 30 mg/Nm <sup>3</sup> of remain stacks by 31st March, 2023 as per amended EC vide No. J-11011/326/2005-IA.II(I) dt 26.02.2022.	N/A	

8	100% dolochar shall be used for power generation within the plant	Being Complied	Dolochar is being utilized in AFBC boilers of captive power plant as well as at group unit M/s Jagdamba Power Siltara, Raipur with captive status.	N/A	
9	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 progress in this regard shall be reported to the Regional Office on an yearly basis - as of 31st March of each year.	Being Complied	GHG emission and Carbon Footprint Study for two years i.e 2020-21 & 2021-22 is completed.Final report expected to come by 30th June'2022. Accordingly study report will be submitted.		
10	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.	Complied	Roads inside plant are RCC made. Vacuum cleaners are deployed to clean roads & collected dust is utilized. Water sprinkling system is installed along the internal roads as well as raw material yards.	N/A	
11	10 Nos of IF shall be phased out by 2022-23	Being Complied	All 7 T capacity furnaces are stopped permanently and taken out. New 12 T & 15 T furnaces will be installed during 2022-23.	N/A	
12	Sludge drying beds shall be replaced by filter presses and dry disposal of sludge shall be practiced.	Complied	Filter press has been installed at ETP to achieve 100% dry disposal of ETP sludge. Apart from installation of Filter press, Lamella clarifier is also installed for better consistency of feed sludge.	N/A	
13	100 % water consumed annually shall be harvested and recharged with monitoring facilities.	Complied	Assessment/Survey of rain water harvesting potential done by M/s Retas consultant , New Delhi. CGWB NOC obtained for = 479 KL/day RWH system is implemented for 483000 KL/Y.		

## 7. General Conditions (Proponent) :-

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	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.	Agreed to Comply	-	N/A	
2	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).	Being Complied	-	N/A	
3	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.	Being Complied	-	N/A	
4	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed to Comply	-	N/A	
5	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed to Comply	-	N/A	
6	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.	Being Complied	Noise level monitoring is being carried out regularly and being submitted with six monthly compliance report.	N/A	
7	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.	Agreed to Comply	-	N/A	
8	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.	Being Complied	-	N/A	
9	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.	Agreed to Comply	-	N/A	
10	Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.	Complied	LED lights are used in plant at street lights as well as at shop floors & offices. Solar light installed at main gate of the plant.	N/A	
11	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.	Being Complied	100% utilization of fly ash generated from power plant is being carried out by supply to brick manufacturing units and cement plants.	N/A	
12	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied	System is enabled to access leakage detection on DP principals.	N/A	
13	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.	Being Complied	Collected Iron Ore and coal Fines in air pollution control devices are being reused in the process.	N/A	
14	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.	Being Complied	3 no. of CAAQMS are established for continuous monitoring of PM-10, PM-2.5, SOx, NOx & CO. Data is connected with CECB/CPCB server & being displayed at entry gate.	N/A	
15	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.	Complied	Copy of EC is submitted to local bodies, Panchayats in addition to the relevant offices of the Government.	N/A	
16	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.	Being Complied	Status of compliance of the environment clearance conditions including results of monitored data is being uploaded on GPIL's website and updated Six monthly basis.	N/A	
17	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.	Being Complied	Tarpaulin covered transportation is used for iron ore, coal and other raw material to prevent spillage and dust generation.	N/A	
18	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Complied	Fume Extraction System followed by Bag filter is installed at SMS.	N/A	
19	Kitchen waste shall be composted or converted to biogas for further use.	Being Complied	Kitchen waste is being converted into compost through mechanical compost converter.		
20	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.	Complied	To maintain the emission within prescribed standards, units have been equipped with Air Pollution Control Devices like ESP, Bag filters etc.	N/A	
21	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	Complied	Continuous emission monitoring system at all process stacks & 3 nos. Continuous AAQM system are already installed and data is connected with CECB/CPCB server. Systems are being calibrated time to time	N/A	

	these systems from time to time according to equipment supplier specification through labs recogni				
22	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 recogni	Complied	Continuous effluent monitoring system for monitoring of pH, TSS, flow meter & PTZ camera installed and data is connected with CECB/CPCB server. ZLD is being maintained.	N/A	
23	Used refractories shall be recycled as far as possible.	Complied	Part of used refractories are taken back by recyclers/suppliers and also use for pavement in house.	N/A	
24	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.	Complied	Copy of the EC is published in local & national news papers.		
25	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused in melting Furnaces.	Being Complied	Mill scale /metallic sludge generated from rolling mill scale pit, is being reutilized in pellet manufacturing.	N/A	
26	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	Complied	Raw material iron ore, coal, bentonite, limestone etc are being stored under covered shed and water sprinkling is being done for dust suppression.	N/A	
27	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Complied	Adequate air ventilation facilities available.	N/A	
28	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.	Being Complied	Ground water quality analysis is being carried out by NABL accredited lab.	N/A	
29	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.	Being Complied	GHG emission and Carbon Footprint Study for two years i.e 2020-21 & 2021-22 is completed.Final report expected to come by 30th June'2022. Accordingly Study report will be submitted.		
30	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 shareh	Complied	Company has Integrated Management Policy (IMS policy) for Safety, Health & Environment which is approved by board of directors.	N/A	
31	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.	Being Complied	Monitoring of fugitive dust emission at various locations / dust prone areas of the plant by recognized laboratory on regular basis.	N/A	
32	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	Complied	33% green belt develop achieved inside plant premises and remaining plantation is done at "Oxzone" in an area of 102 acre with overall plantation more than 40%.		
33	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Complied	Sewage treatment system (2 modules) are installed for sewage treatment		
34	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied	Emergency preparedness plan based on HIRA, is prepared and implemented.	N/A	
35	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.	Complied	Garland drains and collection sump is constructed to arrest the surface run -off during rains.	N/A	
36	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.	Being Complied	-	N/A	
37	Adhere to 'Zero Liquid Discharge'.	Being Complied	Waste water from all divisions is being taken to waste water treatment system and treated water being utilized further in process, water sprinkling/dust suppression and horticulture activities.	N/A	
38	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.	Being Complied	Environment statement report is being submitted regularly. ES for the year 20-21 has been submitted.	N/A	
39	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.	Being Complied	Details of work/expenditure done to address issues raised during PH under CER, attached.		
40	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being Complied	Status of compliance of the environment clearance conditions including results of monitored data is being uploaded on GPIL's website and updated Six monthly basis.	N/A	
41	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.	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.	N/A	
42	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.	Being Complied	-	N/A	
43	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Being Complied	OHC has been set up in plant premises for regular health screening f workers. The records are maintained and the same are submitted to the Office of Dy. Director, Industrial Health & Safety,Raipur.	N/A	
<input checked="" type="checkbox"/> I ' Godawari Power and Ispat Ltd ' hereby give undertaking that the specific / general condition is entered by me is correct.					

