

# EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : IA/CG/MIN/203724/2021

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

File No. :	J-11015/384/2012-IA.II(M)	Proposal Name :	Expansion of Kachhe Aridongri Iron Ore Mine for enhancement of production from 1.405 MTPA to 2.35 MTPA (Incl. 0.55 MTPA BMQ), Installation of BMQ Beneficiation Plant of 0.6 MTPA Capacity, 250 TPH Iro
Date Of EC. :	23 Jun 2021	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 :	29 Jun 2022 15:37:57:380
Remarks :	Submission of Six monthly compliance report of EC granted vide No. J-11015/384/2012-IA.II(M) dated 23rd June 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 :	47		
Complied :	11	Being Complied :	27
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	9		

## 5. Details of Production and Project Area :










Date of Commencement of Project/Activity :	16 Jan 2009	Project Area as Per EC Granted (In Case of Mine Lease):	138.96	
Actual Project Area(In Case of Mine Lease):	138.96			
PRODUCTION CAPACITY :				
S.No	Name of the Product	Units	As per EC granted	Production during last financial year
1	Iron Ore Mine	Tons per Annum (TPA)	2350000	2104823.91










## 6. Specific Conditions (Proponent):


S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The Project Proponent shall undertake the plantation in peripheral zone and ensure that the plantation in peripheral zone and plantation along haul roads should be completed within 3 years from the date of commencement of mining operations with at least 90% survival rate. Casualties of the previous year should be replaced other than the saplings proposed to be planted every year. PP shall provide tree guard to maintain the early stages of plant growth.	Being Complied	Plantation in peripheral zone and plantation along haul roads, has been undertaken to maintain average 90% survival rate. Tree guards are not required as entire mining lease area has been fenced		
2	The Project Proponent shall obtain the NOC from CGWA for withdrawal of water before undertaking mining operations.	Complied	NOC obtained from CGWA for withdrawal of 300 KL/day water vide CGWA/NOC/MIN/REN/2021/6197, valid from 16/05/2020 to 15/05/2022.	N/A	
3	PP shall explore more possibilities to augment ground water resources in the area.	Complied	Adequate Rain Water Harvesting/ Ground Water recharge measures adopted.		
4	PP shall ensure the adequate safety measures to avoid dust inhalation by workers and pollution control measures adopted during drilling and blasting.	Being Complied	To avoid the dust inhalation by workers and pollution control measures being adopted during drilling and blasting are enclosed.		
5	PP shall take necessary steps to avoid the fugitive dust emission due to mining activities and vehicle movement. The roads shall be regularly cleaned and maintained in proper conditions by the project authorities.	Being Complied	adequate measures have been taken to control fugitive dust emission due to mining activities and vehicle movement.		
6	The budgetary plan of Rs. 610.06 Lakh proposed to address the public concerns should be strictly followed and completed within 3 years and the development should be submitted during submission of EC compliance. PP shall also organize employment based apprenticeship/ internship training program with stipend for the youth and other programs to enhance the skill of the local people.	Being Complied	Compliance status to address the public concerns raised during public hearing is enclosed as Appendix- 8.		

## 7. General Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	State Pollution Control Board/ Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	Complied	-	N/A	
2	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred, PP need to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Agreed to Comply	-	N/A	
3	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the	Complied	The details of measures taken is enclosed		

	part of mine lease areas or Habitations and villages are surrounded by the mine lease area".				
4	The Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Agreed to Comply	-	N/A	
5	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Being Complied	Noted	N/A	
6	A copy of EC letter will be marked to concerned Panchayat/ local NGO etc. if any, from whom suggestion/ representation has been received while processing the proposal.	Complied	Copy of Receiving Letter of EC by Gram Panchayat Kachche, Parrekodo, Salhe and Bhaissakanhar is enclosed as Appendix - 7.		
7	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/ Committee and web site of the Ministry of Environment, Forest and Climate Ch	Complied	We have advertised about the grant of this letter in two newspapers (One in Hindi and other in English News Paper). The copy of the same is enclosed as Appendix- 9.		
8	This Environmental Clearance (EC) is subject to orders/judgement of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Condition as may be applicable.	Agreed to Comply	-	N/A	
9	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Being Complied	The peak particle velocity monitoring is being carried out regularly within the stipulated distance near mines office (Approx. 400 m) to determine the ground vibration induced due to blasting.	N/A	
10	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the flood lights/ masks away from the villagers and keeping the noise levels well within the prescrib	Being Complied	Illumination and sound level are regularly being monitored by the project proponent and are within the statutorily permitted level.	N/A	
11	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs/ muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working w	Being Complied	Adequate measures to control noise level has been taken. The details are enclosed.		
12	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage; then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the ar	Being Complied	Open cast mining activity is going on much above the ground level and ground water table will not be intersected during ensuing plan period.	N/A	
13	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/	Being Complied	Regular Monitoring is being done as per guidelines. Record of Monitoring Data is being maintained and submitted to MoEF&CC Regional Office, CGWB, CECB and CPCB.		
14	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	Being Complied	Ground water recharge is being carried out through recharge ponds, collecting rain water in mine sump, ground water recharge structures with boulder check dams and roof top RWH structures.		
15	The water balance/ water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/ Committee.	Complied	Agree, water audit has been carried out by TUV India Pvt. Ltd. The copy of the same is enclosed as Appendix- 12.		
16	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through oil and grease trap.	Being Complied	The details are enclosed		
17	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines runoff; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The	Being Complied	There will be no effluent generation from the mine as the existing mine has adopted to maintain ZLD at all times. Domestic waste water is being treated in septic tank followed by soak pits.		
18	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, overburden, interburden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life;	Being Complied	-	N/A	
19	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the	Being Complied	Agreed and Approved Mining plan is being/ will be followed. Plantation in the inactive terraces of waste dumps are being carried out.	N/A	
20	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB/ waste dumps/ topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/ circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	Being Complied	At present top soil generation is nil. However, topsoil generated in future will be stacked separately for plantation purpose. OB generated during mining is being stacked at earmarked places.	N/A	
21	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention	Being Complied	Depending upon the drainage pattern of the area, retaining walls and Garland drains around OB dumps and mineral dumps have already been constructed with siltation ponds to arrest surface run off.		

	time period thereby allowing proper settling of sediments/ silt material. The sedimentation				
22	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/compactors thereby ensuring proper filling/	Being Complied	Waste dump has been formed by proper terracing (Benching) with average height of individual terrace as 10 m. Average dump slope is 26.07° which below 28° as permitted. Please refer encloser.		
23	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained pro	Being Complied	Five Nos. of siltation ponds having adequate size, silt storage capacity have been provided at mines. The details are enclosed.		
24	Project Proponent shall make provision for the housing for workers/ labours or shall construct labor camps within/ outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with 5	Complied	There is no residential colony for worker & staff in mines area. Labourers/Workers of the mine have been engaged from the local peoples of the neighbouring villages.	N/A	
25	The Project Proponent shall submit the time-bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in term of the provisions of the MoEF&CC Office Memorandum No. 22-65/2017-IA,III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	Complied	The time-bound action plan for undertaking the activities committed during public consultation for Environment Clearance of expansion of Kachche Aridongri Iron Ore Mines has been submitted.	N/A	
26	The Ministry or any other competent authority may alter/ modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed to Comply	-	N/A	
27	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	Being Complied	Agreed and will be complied. Existing Land Use Pattern at the end of FY 2021-22 and Proposed Land Use Pattern at The end of 5th Year of Mine Plan Period i.e. 31.03.2025 is enclosed as Appendix-5.		
28	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Agreed to Comply	Presently mine is operational since FY 2009. Upon approval of the Final Mine Closure Plan by Indian Bureau of Mines, the approved Final Mine Closure Plan will be submitted.	N/A	
29	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data/ information/ monitoring reports.	Agreed to Comply	-	N/A	
30	A separate 'Environmental Management Cell' with suitable qualified manpower should be set up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.	Complied	A separate environment management cell with qualified manpower has been set up under the control of senior executive who is reporting directly to mines head.	N/A	
31	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed to Comply	Noted	N/A	
32	In pursuant to Ministry's O.M. No. 22-34/2018-IA,III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P.(Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	Agreed to Comply	-	N/A	
33	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	Being Complied	Six Monthly EC compliance status report is being submitted regularly to the MoEF&CC & its concerned RO, CPCB and SPCB.	N/A	
34	No transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt	Being Complied	Transportation of the iron ore is being carried out through separate bypass dispatch road which is not passing through the village.		
35	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system	Being Complied	Sprinkling of water by water tankers at regular interval on haul roads is being done to avoid dust emission during vehicle movement. Please refer encloser.		
36	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	Being Complied	100135 nos. saplings planted covering an area on 37.02 Hec. inside of the mining lease areas (Certified copy of green belt development is enclosed as Appendix- 14).		
37	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The dens	Being Complied	100135 nos. saplings planted covering an area on 37.02 Hec. inside of the mining lease areas (Certified copy of green belt development is enclosed as Appendix- 14).		
38	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable wat	Being Complied	To avoid the fugitive dust emission due to mining activities and vehicle movement the adequate measures have been undertaken. The details are enclosed.		
39	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to	Complied	Three nos. of Continuous Online Ambient Air Quality Monitoring Stations (One in upwind direction and Two nos. in Downwind direction) for monitoring PM10,		

	monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQMS Notification No. B-29016/20/90/PCI/I, dated 18		PM2.5, SO2, NO2 etc. have been installed.		
40	The Project Proponent shall make alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter fr	Agreed to Comply	No grazing land falls within the Mining Lease Area. Further Expansion is proposed within the existing Mining lease area. No additional land is required for the expansion project.	N/A	
41	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department	Being Complied	Monitoring of ground water level & quality is being carried out regularly. One no. of piezometer along with five nos. of flow meters have already been installed at the mines. The reports are enclosed.		
<input checked="" type="checkbox"/> I ' Godawari Power and Ispat Ltd ' hereby give undertaking that the specific / general condition is entered by me is correct.					

**E-Sign**  
Godawari Power and Ispat Ltd  
Date : 29 Jun 2022 15:37:57:380

\*\*Note : N/A - Not Available

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