

**F. No. J-11015/384/2012.IA-II (M)**  
**Government of India**  
**Ministry of Environment, Forests & Climate Change**  
**Impact Assessment Division**

3<sup>rd</sup> Floor, Vayu Wing,  
Indira Paryavaran Bhawan,  
Jorbagh Road, Aliganj,  
New Delhi-110 003

**Dated: 12<sup>th</sup> December, 2014**

To,

✓ **M/s Godavari Power & Ispat Limited**

Hari Arcade, First Floor,  
New Bus Stand, Pandri,  
Raipur-492001 Chhattisgarh  
Tel: 0771-4082333  
Fax: 07714082234  
E-mail: igl@hiragroupindia.com

**Subject: Dongri Iron Ore Mine of M/s. Godawari Power & Ispat Ltd at Village Kachche, Tehsil Bhanupratappur, Distt. Uttar Bastar (Kanker), Chhattisgarh (106.60 ha to 138.96 ha) with addition of 7.0 lakh tonnes/annum in existing capacity of 7.05 lakh tonnes/annum with total 14.05 lakh TPA production - regarding.**

Sir,

This has reference to your letter No. GPIL/MoEF/12-13/146 dated 05.10.2012 on the subject mentioned above and subsequent letters dated 19.06.2013, 13.02.2014 and 04.08.2014. The Proposal was considered by the Expert Appraisal Committee for prescribing TOR in its meeting held during 19-21 December, 2012. TOR were issued by MoEF vide letter no. J-11015/384/ 2012-IA.II(M) dated 5<sup>th</sup> March, 2013. The proposal for environmental clearance was considered in the Expert Appraisal Committee (Mining) held during May 28-30, 2014 and re-considered during August 26-27, 2014 wherein EAC recommended the proposal for grant of EC.

2. The proposal is for Ari Dongri Iron Ore Mining Project (Expansion of Iron Ore Mining Lease Area from 106.60 ha to 138.96 ha and Production Capacity from 0.705 MTPA to 1.405 MTPA) located at Village: Kachche, Tehsil: Bhanupratappur, District: Uttar Bastar Kanker (Chhattisgarh). The Latitudes and Longitudes of the mine site 32.36 ha area are 20° 24' 27" to 20° 24' 54.00" N and 81° 03' 56" to 81° 04' 14.00" E and for mine site for 106.60 ha area are 20° 24' 03" to 20° 24' 54" N and 81° 03' 46" to 81° 04' 34" E.

3. The certified compliance report by Regional Office, MoEF, Western Region, Bhopal issued vide letter No. 3-7/2012/(ENV)/811 dated 09.04.2014 was submitted. The presentation with regard to compliance of earlier EC issued vide. No. J-11015/339/2006.IA-II(M) dated 25.06.2007 was made. The compliance report was found to be satisfactory.



4. The total mine lease area (including existing 106.60 ha and proposed 32.36 ha) is forest land. Grant of Mining Lease in favour of M/s Godavari Power & Ispat Private Ltd. for 106.60 ha by State Government was granted vide letter no. F 3-58/2003/12(2) dated 22<sup>nd</sup> September, 2008. Letter of Intent (LOI) issued by Department of Mineral Resources, Govt. of Chhattisgarh in favour of GPIL for 32.36 ha was given vide dated 8<sup>th</sup> October, 2010. Forest Clearance has been obtained for diversion of 106.60 ha of Forest Land for its Añi Dongri Iron Ore Mine of M/s GPIL issued by MoEF (FC Division) vide its letter no 8-5/2007-FC dated 04.08.2008. For ML Area: 32.36 ha, proposal has been recommended for stage-I clearance under the provisions of the Forest (Conservation) Act, 1980 for diversion of 32.36 ha of Forest Land vide letter no F. No. 8-36/2012-FC dated 24.01.2013.

5. Approval of Modifications in Mining Plan over an area of 106.60 ha by IBM, Nagpur has been granted vide its letter No. 314(3)/2010-MCCM(CZ)/MP-41 dated 28<sup>th</sup> November, 2011. Approval of Mining Plan along with Progressive Mine Closure Plan (ML Area: 32.36 ha) has been secured from IBM, MCCM Central Zone vide Letter No. 314 (3)/2010 – MCCL (CZ)/MP – 35 dated 23<sup>rd</sup> May 2011.

6. It is reported by the PP that the Opencast mine working will be done by semi-mechanized method, using shovel dumper combination and average bench height of 6m and width 12.0 m will be kept. Life of the mine for ML Area 106.60 ha and 32.36 ha is 6 years and 8 years respectively. The total mineable reserves for ML Area 106.60 ha and 32.36 ha are 2.60 million tonnes and 1.43 million tonnes respectively. The iron ore produced from the proposed expansion mining Project will be captively used in the sponge Iron/ Steel Plant of the Company located at Siltara Industrial Area, Siltara, District Raipur (Chhattisgarh). Waste generated from the area will be dumped at the waste dump located at earmarked sites as per mining plan in non-mineralized area. The water requirement is estimated as 25 KLD, Water will be sourced from nearby villages (for drinking) and water accumulated in mine sump. Mine Working will not intersect the ground water table. Detailed Hydro geological study has been carried out for the Project.

7. It was reported by the PP that no National Park, Wild Life Sanctuaries, Tiger Resaves, Elephant Corridors, Biosphere Reserves etc. exist within 10 km radius from mining lease boundary. No Schedule I species are found/ reported within 10 km radius area. Baseline studies were carried out during Winter Season, 2012-13. (Dec.2012 to Feb, 2013). All the parameters for water and air quality were found to be within permissible limits. Public Hearing was held on 23.12.2013 at Janpad Panchayat Office Premises, Tehsil: Bhanupratappur, District: Uttar Bastar, Kanker (Chhattisgarh) for expansion of Iron Ore Mining Lease Area from 106.60 ha to 138.96 ha and Production Capacity from 0.705 MTPA to 1.405 MTPA. The PH was presided over by Mr. M.L. Sirdaar, Upper Collector, Uttar Bastar (Chhattisgarh). The issues raised during Public Hearing were also considered and discussed during the Meeting, which includes Employment, infrastructure,



environmental protection and socio-economic development. Employment is being given to local people as per their qualification and proper training is also being given. Air pollution control measures are being adopted and sprinkling of water is being done. Tree Plantation is also being done. As per the local requirements, it was informed by the PP that they would give preference to locals for employment; health care, education and assistance in vocational training, etc. will also be provided. Socio-economic development will also receive the PP's attention. These have been incorporated in the Project Plan with budgetary provisions.

8. The estimated cost of the Project is Rs. 8.91 Crores and Cost for EMP: Capital Cost – Rs. 80 Lakhs/- and recurring cost for EMP Rs. 30 Lacs / annum. It was reported by the PP that there is no court case/litigation pending against the Project and no violation is reported.

9. The Ministry of Environment and Forests has examined the application in accordance with the EIA Notification, 2006 and hereby accords environmental clearance under the provisions thereof to the above mentioned proposal of M/s. Godawari Power & Ispat Ltd. for production of 0.7 MTPA (ROM) from mine lease area of 32.36 ha subject to implementation of the following conditions and environmental safeguards.

**A. SPECIFIC CONDITIONS:**

- (i) This environmental clearance shall be operative only from the date of execution of amalgamated lease deed.
- (ii) No work preliminary or otherwise should be permitted in 32.36 ha or expansion of production before amalgamated lease deed execution and before submission of approved integrated mine plan of amalgamated area of 138.96 ha.
- (iii) The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board and effectively implement all the conditions stipulated therein.
- (iv) The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table.
- (v) The loose solids should be kept separately from flowing water and flow of effluents to nearby areas outside the leasehold shall be prevented. These paved drains along with arrangements for Over Burden Dumps and their drainage may be clearly depicted on a contoured map of the mining area.
- (vi) The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the 1<sup>st</sup> and 2<sup>nd</sup> order streams, emanating or passing through the mine lease during the course of mining operation.



- (vii) The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
- (viii) Appropriate safeguard measures shall be taken to ensure stability and drainage of dump so that no solid waste/debris flows into the nallah.
- (ix) The over burden (OB) generated during the mining operation shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. Proper terracing of OB dump(s) shall be carried out so that the overall slope shall not exceed 28°. The over burden dump(s) shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dumps. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Bhopal on six monthly basis.
- (x) Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, temporary OB and mineral dumps to arrest flow of silt and sediment directly into the adjoining River and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after the monsoon and maintained properly.
- (xi) Dimension of the retaining wall at the toe of the OB dump(s) and the OB benches within the mine to check run-off and siltation should be based on the rain fall data.
- (xii) Plantation shall be raised in an area earmarked including a 7.5 m wide green belt in the safety zone around the mining lease, OB dump(s), along the roads, etc. by planting the native species in consultation with the local DFO/Agriculture Department. In addition, plantation shall also be raised in the backfilled and reclaimed area and around water body. The density of the trees should be around 2500 plants per ha.
- (xiii) Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- (xiv) Regular monitoring of water quality upstream and downstream of perennial nallahs falling in the impact zone shall be carried out and record of monitoring data should be maintained and submitted to



Ministry of Environment and Forests, its Regional Office, Bhopal, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.

- (xv) Appropriate measures shall be taken for treatment of the upper catchment of the mine lease area.
- (xvi) The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- (xvii) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.
- (xviii) The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water, required for the project.
- (xix) Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.
- (xx) Appropriate mitigative measures should be taken to prevent pollution of nearby River in consultation with the State Pollution Control Board.
- (xxi) Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
- (xxii) Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
- (xxiii) Drills shall either be operated with dust extractors or equipped with water injection system.
- (xxiv) Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas



- including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
- (xxv) Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.
  - (xxvi) Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
  - (xxvii) Regular monitoring of free silica in the dust will be carried out and records maintained. It shall be ensured that the levels of silica do not exceed the prescribed limit. The workers will be provided with personal protective measures to guard against inhaling silica dust.
  - (xxviii) 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.
  - (xxix) The project proponent should take all precautionary measures during mining operation for conservation and protection of endangered flora as well as endangered fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional Office at Bhopal within 3 months.
  - (xxx) The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e., PM<sub>10</sub>) and NO<sub>x</sub> in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS))]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry [www.envfor.nic.in](http://www.envfor.nic.in) shall also be referred in this regard for its compliance.
  - (xxxi) A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.



- (xxxii) The project proponent shall undertake all the commitments made during the public hearing and effectively address the concerns raised by the locals in the public hearing as well as during consideration of the project, while implementing the project.

**B. General conditions**

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.
- (ii) No change in the calendar plan including excavation, quantum of mineral and waste should be made.
- (iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM<sub>10</sub>) and NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- (iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM<sub>10</sub>) & NO<sub>x</sub> should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
- (v) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- (vi) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- (vii) Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.
- (viii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- (ix) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.



- (x) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Bhopal.
- (xi) The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xii) The Regional Office of this Ministry located at Bhopal 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.
- (xiii) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhopal, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.
- (xiv) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xv) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.
- (xvi) The environmental statement for each financial year ending 31st March in Form-Vas is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal by e-mail.
- (xvii) The project authorities should advertise at least in two local newspapers of the District or State in which the project is located and




widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.

10. The Ministry or any other Competent Authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

12. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made thereunder and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Chhattisgarh and any other Court of Law relating to the subject matter.

13. Any appeal against this environmental clearance 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.

  
(Dr. V.P. Upadhyay)  
Scientist 'F'

**Copy to:**

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi-110 001.
- (ii) The Secretary, Department of Environment, Government of Chhattisgarh,
- (iii) The Secretary, Department of Mines and Geology, Government of Chhattisgarh, Chhattisgarh.
- (iv) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cumoffice complex, East Arjun Nagar, Delhi-110032
- (v) The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh



- (vi) The Additional Principal Chief Conservator of Forests (Eastern), Regional Office (Western Zone), E-3/240, Arera Colony Bhopal-462016, Madhya Pradesh
- (vii) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- (viii) The Member Secretary, Chhattisgarh State Pollution Control Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur, Chhattisgarh.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The District Collector, Uttar Bastar (Kanker) District, Chhattisgarh.
- (xi) Guard File

\

**(Dr. V.P. Upadhyay)**  
**Scientist 'F'**





**By Speed Post**

**F. No. J-11015/384/2012.IA.II(M)**

**Government of India**

**Ministry of Environment, Forest & Climate Change  
Impact Assessment Division**

3<sup>rd</sup> Floor, Vayu Wing,  
Indira Paryavaran Bhawan,  
Jorbagh Road, Aliganj,  
New Delhi-110 003  
E-mail: sridhar-mef@nic.in  
Tele: 011-24695304

**Dated: 26<sup>th</sup> May, 2016**

To,

**M/s Godawari Power and Ispat Ltd.**

1<sup>st</sup> floor, Hira Arcade, Near Bus Stand, Pandri,  
Raipur, Chhattisgarh-492001  
Fax No-0771-4057601  
E-mail: [tonmoy.bose@hiragroup.com](mailto:tonmoy.bose@hiragroup.com)

**Subject: Dongri Iron Ore Mine of M/s. Godawari Power & Ispat Ltd at Village Kachche, Tehsil Bhanupratappur, Distt. Uttar Bastar (Kanker), Chhattisgarh (106.60 ha to 138.96 ha) with addition of 0.7 MTPA in existing capacity of 0.705 MTPA with total 1.405 MTPA production - Amendment of Environmental Clearance regarding.**

Sir,

The proposal of Ari Dongri Iron Ore Mining Project was for Expansion of Iron Ore Mining Lease Area from 106.60 ha to 138.96 ha and Production Capacity from 0.705 MTPA to 1.405 MTPA, located At Village: Kachche, Tehsil: Bhanupratappur, District: Uttar Bastar Kanker (Chhattisgarh). The Latitudes and Longitudes of the mine site 32.36 ha area are 20° 24' 27" to 20° 24' 54.00" N and 81° 03' 56" to 81° 04' 14.00" E and for mine site for 106.60 ha area are 20° 24' 03" to 20° 24' 54" N and 81° 03' 46" to 81° 04' 34" E. The total mine lease area (including existing 106.60 ha and proposed 32.36 ha) is forest land. Forest Clearance has been obtained for diversion of 106.60 ha of Forest Land for its Ari Dongri Iron Ore Mine of M/s GPIL issued by MoEF (FC Division) vide its letter no 8-5/2007-FC dated 04/08/08. For ML Area: 32.36 ha, proposal has been recommended for I-stage clearance under the provisions of the Forest (Conservation) Act, 1980 for diversion of 32.36 ha of Forest Land vide letter no F. No. 8-36/2012-FC dated 24.01.2013.



2. The Project was recommended in the EAC meeting held during August 26-27, 2014 and EC was issued on 12.12.2014 with the condition that environmental clearance shall be operative only from the date of execution of amalgamated lease deed. No work preliminary or otherwise should be permitted in 32.36 ha or expansion of production before amalgamated lease deed execution and before submission of approved integrated mine plan of amalgamated area of 138.96 ha.

3. It was informed by the PP that Mine lease has been amalgamated on 03.09.2015 and mine plan for amalgamated mine lease area of 138.96 ha has been approved vide letter no. KNK/FE/MPLN-1151/NGP dated 03.07.2015 by IBM, Regional Office Nagpur.

4. The PP vide letter dated 08.10.2015 requested for amendment of EC to install an iron ore crusher of 400 TPH with screening facilities within the mine lease area of 138.96 ha. The PP mentioned that the iron ore crusher was already part of the approved mine plan and installation of iron ore crusher will facilitate to crush the iron ore lumps to sized ore. There will be an additional water requirement of 10 KLD for water sprinkling, control of fugitive emission of the proposed crushing process and additional power of 650 KW. The estimated cost of the proposed project is Rs 15.00 crores.

5. The PP mentioned that following adequate measures are proposed to limit the emission of pollutants within the stipulations of statutory norms.

- (a) There will be no generation of solid waste since the ore is crushed to required size. The fines so generated is being separately stored & transported to our steel plant at Siltara for use in pelletization process.
- (b) Continuous water sprinkling at loading & unloading points, haul roads etc. will be done.
- (c) Adoption of technology like recovery of dust/fines for re-use as raw material in pellet plant will fulfill the twin objectives of material conservation and pollution control.
- (d) Four air monitoring stations are established in core zone area.
- (e) Entire crushing & screening will be done in a closed circuit to eliminate fugitive emission.
- (f) To control the level of pollution, bag filters will also be installed. The vibrating screens will be fitted with bag filters for pollution control. Plantation shall be developed all around the crusher plant.
- (g) No effluent generation from the process.
- (h) Adequate green belt has already been done in and around the existing mining lease area of 106.60 ha.
- (i) The green area development will be as per the proposed programme as given for the mining activities in the amalgamated mine lease area of 138.96 ha.



6. The proposal was considered in the meeting held during January 20-22, 2016 and after deliberations; the Committee desired that the Proponent shall furnish the following information/clarification for further consideration by the Committee:


- (i) The occupational health plan of the workers involved in the mining and crushing activity.
- (ii) Detailed report on dust control measures to be adopted by the PP specific to the mine site.
- (iii) The certified compliance report of the EC granted on 12.12.2014.

7. On submission of information the proposal was considered in the meeting held during March 21-22, 2016 the PP submitted detailed report on occupational health with preventive measures for control of dust pollution. The PP submitted that certified copy of the compliance report has been submitted for the EC dated 25.06.2007. The EC granted on 12.12.2014 has recently received the permission to establish and Consent to Operate has been granted on 06.01.2016. Therefore, certified compliance report of the EC granted on 12.12.2014 was not submitted.

8. The Committee deliberated at length the information submitted by the proponent and the presentation made by the proponent and based on the discussion held the Committee recommended the proposal for amendment of Environmental Clearance.

9. The matter has been examined in the Ministry and it has been decided that recommendation of the EAC are accepted, and the amendment of EC to install an iron ore crusher of 400 TPH with screening facilities within the mine lease area of 138.96 ha is agreed.

10. This issues with the approval of the Competent Authority.

  
(Dr. U. Sridharan)  
Scientist 'F'

**Copy to:**

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi-110 001.
- (ii) The Secretary, Department of Environment, Government of Chhattisgarh,
- (iii) The Secretary, Department of Mines and Geology, Government of Chhattisgarh, Chhattisgarh.
- (iv) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cumoffice complex, East Arjun Nagar, Delhi-110032
- (v) The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh



- (vi) The Additional Principal Chief Conservator of Forests Regional Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.
- (vii) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- (viii) The Member Secretary, Chhattisgarh State Pollution Control Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur, Chhattisgarh.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The District Collector, Uttar Bastar (Kanker) District, Chhattisgarh.
- (xi) Guard File & MoEF&CC website.

  
**(Dr. U. Sridharan)**  
**Scientist 'F'**

MoEF&CC