

No. J-11015/225/2014 -IA-II (M)  
Government of India  
Ministry of Environment, Forest & Climate Change  
IA-II (Coal Mining) Division

Indira Paryavaran Bhawan,  
Jorbagh Road, N Delhi-3

Dated: 9<sup>th</sup> September, 2015

To,

The General Manager (Environment),  
M/s Western Coalfields Ltd.,  
Coal Estate, 9<sup>th</sup> Floor, Civil Lines,  
**NAGPUR** – 440001 (Maharashtra)

**Phone:** 0712 – 2510151

**Email:** [gmenvironment.wcl@nic.in](mailto:gmenvironment.wcl@nic.in); [wclenv@yahoo.in](mailto:wclenv@yahoo.in)

**Sub: Junad Deep Open Cast Coal Mine Project for Capacity enhancement from 0.60 MTPA to 1.5 MTPA and increase in land area from 174.28 ha to 449.63 ha of M/s Western Coalfields Limited, in Wani North area, located at district Yavatmal (Maharashtra) - Environmental Clearance - reg.**

Sir,

This is with reference to letter No.WCL/ENV/HQ/11-C/250 dated 25.07.2014 with the application for Terms of Reference (TOR) and this Ministry's letter dated 21.11.2014 granting TOR. Reference is also invited to the online proposal No. IA/MH/CMIN/26247/2014 dated 28.01.2015 and subsequent letters dated 05.06.2015; 11.06.2015; 01.07.2015; 15.07.2015 and 26.08.2015 for environmental clearance on the above-mentioned subject.

2. The Ministry of Environment, Forest & Climate Change has considered the application. It is noted that the proposal is for grant of Environmental Clearance for **Junad Deep Open Cast Coal Mine Project for Capacity enhancement from 0.60 MTPA to 1.5 MTPA and increase in land area from 174.28 ha to 449.63 ha; Latitude 20° 01' 05" N to 20° 04' 10" N and Longitude 79° 03' 09" E to 79° 05' 00" E of M/s Western Coalfields Limited, in Wani North area, located at district Yavatmal (Maharashtra).**

3. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for Thermal & Coal Mining Projects, in its 37<sup>th</sup> meeting held on 11<sup>th</sup> -12<sup>th</sup> June, 2015 and 39<sup>th</sup> EAC meeting held on 16<sup>th</sup> - 17<sup>th</sup> July, 2015. The details of the project, as per the documents submitted by the project proponent (PP), and also as informed during the above said EAC meetings, are reported to be as under:-

- i. It is the Open Cast Coal Mine to which Ministry had granted EC vide letter no. J-11015/360/2005-IA.II (M) dated 02.06.2006 for 0.6 MTPA.
- ii. The project was accorded ToR vide letter no. J-11015/255/2014-IA.II (M) dated 21.11.2014.
- iii. The latitude and longitude of the project are 20° 01' 05" to N 20° 04' 10" N and 79° 03' 09" to 79° 05' 00" E respectively.
- iv. Joint Venture: There is no joint venture.



Junad Deep Expansion OCP \_EC by M/s WCL

- v. Coal Linkage : Linked to Thermal Power Plants of Mahagenco
- vi. Employment generated: 219 Nos
- vii. Benefits of the project: Production of Coal for generation of electricity contributing towards meeting the need of the nation simultaneously contributing to the society through generation of employment, development of infrastructure and mixing of cultural heritage establishing the fact of unity in diversity.
- viii. Change in land use during mining :

SL. NO.	PARTICULARS	AREA (ha)
1	Quarry area	101.70
2	Ext. OB Dump	175.00
3	Infrastructure including approach road etc.	15.00
4	Embankment	20.00
5	Blasting zone	70.50
6	Rationalisation area	67.43
	Total	449.63

- ix. The land usage of the project will be as follows:

**Pre-Mining:** The total land requirement for this project is 449.53 ha out of which 174.28 ha has already been acquired in existing Junad OC mine and balance 275.35 ha will have to be acquired.

S.No	LAND USE	Within ML Area (ha)	Outside ML Area (ha)	Total
1	Tenancy land	443.53	Nil	443.53
2	Forest land	Nil	Nil	Nil
3	Govt. land/Waste land	6.10	Nil	6.10
	Total	449.63	Nil	449.63

**Post- Mining:**

S. No	Land use during mining	Land use (ha)						Total
		Plantation	Water body	Public use	Undisturbed	Grass cover	Reclamation	
1	External OB dump	61.04	-	-	-	113.96	-	175.00
2	Excavation	-	46.70	-	-	-	55.0	101.70
3	Infrastructure	3.00	-	7.00	-	-	-	10.0
4	Green Belt	15.00	-	-	-	-	-	15.0
5	Diversion of Roads including	17.0	-	8.0	-	-	-	25.0



	embankment							
6	Danger zone and Rationalization of area	-	-	-	122.93	-	-	122.93
	Total	96.04	46.70	15.0	122.93	113.96	55.0	449.63

- x. The total geological reserve is 14.581 MT. The mineable reserve 6.13 MT, extractable reserve is 6.13 MT. The per cent of extraction would be 42.045 %.
- xi. The coal grade is GCV 4748 k Cal /kg (Grade G-9). The stripping ratio is 1:8.26 Cum/tonne. The average Gradient is 1 in 2.5 to 1 in 3.5. There will be 1 seam with thickness ranging

Coal seam/ Parting	Thickness range (m)	
	Minimum	Maximum
Composite Seam	14.82	18.83
Parting	0.09	2.21

- xii. The total estimated water requirement is 645 KL/day. The level of ground water ranges from 1.5 m to 12.65 m.
- xiii. The **Method of mining** would be opencast with shovel-dumper combination.
- xiv. There is 2 external OB dump with Quantity of 60.95 Mbcm in an area of 175.00 ha with height of 60m above the surface level.
- xv. The final mine void would be in 101.70 Ha with depth 170 m. and the Total quarry area is 101.70 ha. Backfilled quarry area of 0.00 Ha shall be reclaimed with plantation. A void of 101.70 ha with depth 170m which is proposed to be converted into a water body.
- xvi. The seasonal data for ambient air quality has been documented and all results at all stations are within prescribed limits.
- xvii. The life of mine is 11 Years.
- xviii. **Transportation:** Surface to siding by Dumpers and siding to loading by Dumpers and Pay loaders.
- xix. There is **R & R** involved. Only land oustee families to be determined at the time of acquisition.
- xx. **Cost:** Total capital cost of the project is Rs. 57.784 Crores. CSR Cost Rs. 5 per Tonne of coal production. R&R Cost Rs. 8.11 Crore. Environmental Management Cost Capital – Rs 37.16 Lakhs and Revenue- @ Rs 3.85/t.
- xxi. **Water body:** The Wardha River flows near the mine lease boundary of the project at distance 125 m north easterly.
- xxii. **Approvals:** Ground water clearance is not Applicable as it is not falling in critical area as per CGWA. Board's approval obtained on 15.11.2007. Mine Plan/ Mine closure approval from Board for intended capacity for which EC is sought has been obtained on 18.02.2015. Approval of EIA/EMP for 1.50 MTPA for obtaining EC dated 11.11.2013. Approval of original PR obtained on 17.12.2007.
- xxiii. **Wildlife issues:** There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.
- xxiv. **Forestry issues:** There is no forest land involved.
- xxv. Total **afforestation** plan shall be implemented covering an area of 210.00 ha at the end of mining. Green Belt over an area of 15.00 ha. Density of tree plantation 2500 trees/ ha of plants.

*SH*



- xxvi. There are no **court cases**/violation pending with the project proponent.
- xxvii. **Public Hearing:** Public Hearing was held on 05.02.2013 Kamgar Manoranjan Kendra, Bhalar Township, Post Bhalar, Tal. Wani, Dist. Yavatmal Maharashtra. The issues raised in the PH includes Crop compensation; acquisition of balance land; Rehabilitation of Kolar, Pimpri, and Aheri village; Suppression of dust on Nilapur – Brahmni road; Venue of Public Hearing; Tree Plantation; Street lights etc.
- xxviii. **EC Compliance report:** The compliance report of earlier EC has been obtained from MOEF, Regional Office, Bhopal vide its letter no. 3-42/2006(ENV)/2090 letter dated 16/17.12.2013. Action Taken Report on the EC Compliance submitted to MOEF New Delhi & MOEF, Bhopal by PP vide letter no. WCL/ENV/HQ/11-H/304 dated 26.08.2014 was deliberated in the EAC meeting. The Committee has noted that the Action taken for compliance by the PP which inter alia is as follows:
1. No ground water is used for mining operations as such the condition is not applicable. Further this area does not fall under the notified critical area of CGWA. As such separate permission is not required. The piezometer monitoring of the borewell in use is carried out as any adverse impact on ground water level will get immediately noticed.
  2. There is a full-fledged Domestic Effluent Treatment Plant (DETP)/ Sewage treatment plant of 0.40 MLD Capacity in operation in the existing colony. There is a Workshop effluent Treatment plant (WETP) in operation. The necessary modification in the WETP has been done and it has been put into operation.
  3. The Consent to Operate for enhancement of capacity from 0.324 MTPA (i.e. 27000 tonnes per month) to 0.60 MTPA (i.e. 50,000 tonnes per month) was granted by MPCB vide its order no. BO/Yavatmal- /CC-510 dated 13.06.2006. Therefore, enhancement in capacity has been done only after obtaining EC from MOEF & consent from MPCB. Subsequently the renewal of this consent for 0.60 MTPA (i.e. 50,000 tonnes per month) was granted vide MPCB order no. BO/PCI-II/EIC No.AM-0758-08/R/CC-360 dated 30.04.2008. Further renewal has been applied.
  4. NABL accredited Centralized Environmental Laboratory has been established by CMPDIL, RI- IV (Regional Institute of CMPDIL a subsidiary of CIL and ISO certified Consultant for giving total support to all the coal producing subsidiary of CIL) at Nagpur. The laboratory is equipped with state-of-art instruments such as Atomic Absorption Spectrophotometer (AAS), UV –Visible Spectrophotometer, Microprocessor based Spectrophotometer, Respirable Dust Samplers, Fine dust Samplers. The laboratory is manned skilled and trained workforce (21 nos.) for carrying out environmental monitoring.
  5. The schedule of monitoring every fortnight is communicated to SPCB in advance.
- xxix. Adequate precautions have been taken for protection of township from safety as well as dust nuisance which can be summarised as below:
- a) Distance of toe of dump to the building is – 200 meters
  - b) Height of dump on township side- 15 meters ( maximum)
  - c) No further heightening proposed towards township nor any extension of dump.
  - d) All future dumping is proposed at site- away from township
  - e) Adequate green belt cover provided between toe of dump & township on 12 Ha areas through green belt barrier of 200 m.
  - f) Covering of slopes towards township with grasses is proposed.



- xxx. Revised reclamation/vegetation plan for OB dump.
- xxxi. The details of green belt: Area covered by green belt = 12 Ha ; Width of green belt = 200 meter; Length of green belt = 600 meter ; Area of green belt= 200 x 600 m<sup>2</sup> . Further about 100 m stretch of OB dump facing the township has been covered with plantation (5750 No.s). In addition grass seeding is also proposed to be taken up.
- xxxii. Appropriate control measures have been installed at the site so as to maintain the dust levels within permissible limit.
- xxxiii. The internal dumping simultaneously with mining activities is not technically feasible due to steep gradient of seam (1 in 3) and quarry width of (250-325 m). Moreover, the stripping ratio is 1:8.26 which requires huge excavation of OB for getting coal. As there is no possibility of internal dumping, hence entire excavated OB is accommodated outside. However, to restrict the degradation of land optimum planning has been done. As directed, the issue of minimizing land degradation due to external OBD has been re-examined and it is concluded that the left out void at the end of mining activities, can be filled up partially by dozing off the external OB lying on the dip side. The substantial area locked up with OB dump thus can be released. The OB proposed to be dozed into the void – only after end of the mining is 27.58 Mm<sup>3</sup>. This will release 113.96 ha of land and reclaim 55 ha of mined out area. Therefore, the land use pattern at post mining stage will be as follows:

4. The EAC, after detailed deliberations on the proposal in its 39<sup>th</sup> meeting held on 16<sup>th</sup> -17<sup>th</sup> July, 2015, recommended the project for grant of Environmental Clearance. The Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the **Junad Deep Open Cast Coal Mine Project for Capacity enhancement from 0.60 MTPA to 1.5 MTPA and increase in land area from 174.28 ha to 449.63 ha; Latitude 20° 01' 05" N to 20° 04' 10" N and Longitude 79° 03' 09" E to 79° 05' 00" E of M/s Western Coalfields Limited, in Wani North area, located at district Yavatmal (Maharashtra)** under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto subject to the compliance of the following terms & conditions and environmental safeguards mentioned below:

#### A. Specific Conditions:

- i. The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.
- ii. The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.
- iii. Adequate precautions shall be taken for safety of nearby township and minimizing the dust pollution.
- iv. For any forest land covered under the project, forest clearance shall be obtained before operating the coal mine.
- v. The general conditions as applicable for opencast mining project shall strictly adhere to.
- vi. Efforts be made to explore the availability of mechanically covered trucks.
- vii. Coal transportation in pit by Tippers, Surface to Siding by Tippers and siding to loading by Dumpers and pay loaders.
- viii. The production shall be within the same Mining Lease area.
- ix. The OB shall be completely re-handled at the end of the mining.

*shd*



- x. Final mine void depth will not be more than 40 m. The void area will be converted into water body. The rest of the area will be back filled upto the ground level and covered with about a meter thick top soil and put to use.
- xi. Garland drains be provided.
- xii. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine.
- xiii. The land after mining shall be brought back for agriculture purpose.
- xiv. Mine water should be treated for discharge into the lagoon. The quality of lagoon water shall be regularly monitored and mitigation measures taken.
- xv. The CSR cost should be Rs 5 per Tonnes of Coal produced which should be adjusted as per the annual inflation.
- xvi. Everybody in the core area should be provided with mask for protection against fugitive dust emissions.
- xvii. Dust mask to be provided to everyone working in the mining area.
- xviii. The supervisory staff should be held personally responsible for ensuring compulsory regarding wearing of dust mask in the core area.
- xix. People working in the core area should be periodically tested for the lung diseases and the burden of cost on account of working in the coal mine area.
- xx. The mining area should be grounded by green belt having thick closed thick canopy of the tree cover.
- xxi. The embankment constructed along the river boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side and stabilised with plantation so as to withstand the peak water flow and prevent mine inundation.
- xxii. There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.
- xxiii. OB shall be stacked at two earmarked external OB dumpsite(s) only. The ultimate slope of the dump shall not exceed 28°. Monitoring and management of existing reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forests & Climate Change and its concerned Regional office on yearly basis.
- xxiv. Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilised for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted and maintained properly. Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.
- xxv. Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- xxvi. Crushers at the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc.
- xxvii. Drills shall be wet operated.
- xxviii. The project authorities shall undertake regular repairing and tarring of roads used for mineral transportation. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads,
- xxix. Controlled blasting shall be practiced with use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.

SH



- xxx. A Progressive afforestation plan shall be implemented covering an area of 210.00 ha at the end of mining, Green belt (**15 Ha**) and in township located outside the lease by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around **2500** plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier avenue plantation along the main approach roads to the mine.
- xxxii. An estimated total **60.95 Mm<sup>3</sup>** of OB will be generated during the entire life of the mine. Out of which **60.95 Mm<sup>3</sup>** of OB will be dumped in two external OB Dumps an earmarked area covering **175 Ha** of land. **There** will be no internal OB dump. The maximum height of external OB dump will not exceed **60 m**. The maximum slope of the dump shall not exceed **28 degrees**. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes self- sustaining and compliance status shall be submitted to MOEFCC and its Regional Office on yearly basis.
- xxxiii. The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.
- xxxiv. Compensatory Ecological & Restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land be carried out.
- xxxv. The mining should be phased out in sustainable manner.
- xxxvi. No groundwater shall be used for mining operations.
- xxxvii. The total quarry area of **101.70 ha**. The depth of void will be **170 m**, which is proposed to be converted into a water body with the maximum depth of **40 m** having gently sloped and the upper benches shall be terraced and stabilised with plantation/afforestation by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.
- xxxviii. Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new peizometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment, Forests & Climate Change and tot eh Central Pollution Control Board quarterly within one month of monitoring.
- xxxix. The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
- xl. Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP wastewater.
- xli. Besides carrying out regular periodic health check-up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency /institution within the District/State and the results reported to this Ministry and to DGMS.
- xlii. Land oustees shall be compensated as per the norms laid out R&R Policy of CIL or the National R&R Policy or R&R Policy of the State Government whichever is higher.
- xliii. For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEFCC and its concerned Regional office
- xliiii. A detailed Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forests & Climate Change within 6 months of grant of Environmental Clearance.

8th



- xliv. The project authorities shall in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.
- xlv. Corporate Environment Responsibility:
- a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
  - b) The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.
  - c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
  - d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

## **B. General Conditions:**

- i. No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forest & Climate Change.
- ii. No change in the calendar plan of production for quantum of mineral coal shall be made.
- iii. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.
- iv. Data on ambient air quality (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub>) and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognised under the EPA rules, 1986 shall be furnished as part of compliance report.
- v. Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.
- vi. Industrial wastewater (workshop and wastewater from the mine) shall 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 before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.
- vii. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.
- viii. Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analysed through a laboratory recognised under EPA Rules, 1986.
- ix. Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.





- x. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof. The quality of environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.
- xi. A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.
- xii. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- xiii. The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days 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 may also be seen at the website of the Ministry of Environment, Forests & Climate Change at <http://envfor.nic.in>.
- xiv. A copy of the environmental clearance letter shall be marked to concern Panchayat/Zila Parishad, Municipal Corporation or Urban local body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on company's website.
- xv. A copy of the environmental clearance letter shall be shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.
- xvi. The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated environmental clearance conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.
- xvii. The project proponent shall submit six monthly compliance reports on status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the Ministry, respective Zonal Office s of CPCB and the SPCB.
- xviii. The Regional Office of this Ministry located in the Region shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.
- xix. The Environmental statement for each financial year ending 31 March in For –V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.


5. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.

6. The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent






7. The proponent is required to obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
8. The Proponent shall setup an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions.
9. 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.
10. 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 and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.
11. 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.
12. This EC supersedes the earlier EC, vide letter no. J-11015/360/2005-IA.II (M) dated 02.06.2006 for 0.6 MTPA.

  
 9/9/2015  
**(S. K. Srivastava)**  
**Scientist E**

**Copy to:**

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. The Secretary, Department of Environment, Government of Maharashtra, 15th Floor, New Admn. Bldg., Madam Cama Road, MUMBAI – 400 032.
3. The Chief Conservator of Forests, Regional office (EZ), Ministry of Environment, Forest & Climate Change, E-2/240 Arera Colony, Bhopal – 462 016.
4. The Member Secretary, Maharashtra State Pollution Control Board, Kalapataru Point, 3rd & 4<sup>th</sup> Floors, Sion, Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai – 400 002.
5. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110 032.
6. The Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
7. The Advisor, Coal India Limited, SCOPE Minar, Core-I, 4<sup>th</sup> Floor, Vikas Marg, Laxmi nagar, New Delhi.
8. The District Collector, **Yavatmal**, Government of Maharashtra.
9. Monitoring File    9.    Guard File    10.    Record File    11. Notice Board.

  
 9/9/2015  
**(S. K. Srivastava)**  
**Scientist E**