

No. J-11015/80/2013-IA.II (M)  
Government of India  
Ministry of Environment, Forests & Climate Change

Indira Paryavaran Bhawan,  
Jor Bagh Road  
New Delhi-110003  
Dated: 06<sup>th</sup> August, 2014

To,  
The General Manager (Environment),  
M/s Northern Coalfields Ltd.,  
PO Singrauli Colliery,  
District Singrauli,  
Madhya Pradesh - 486889.

**Sub. : Expansion under 7(ii) of EIA Notification 2006 of Block –B Opencast Project from 4.375 MTPA to 5.47MTPA (25% additional of 4.375 MTPA of the existing EC) on an ML area of 1339 ha; Latitude 24<sup>o</sup> 09' 32" to 24<sup>o</sup> 11' 32" N & Longitude 82<sup>o</sup> 32' 36" to 82<sup>o</sup> 35' 12" E of M/s Northern Coalfields Ltd., Dist. Singrauli, Madhya Pradesh – Environment Clearance - reg.**

Sir:

This is with reference to letter no. NCL/SGR/Env./13/3990 dated 08.03.2013 along with the application for expansion of the production under section 7(ii) of the EIA Notification, 2006. Reference is also invited to the subsequent letter nos. dated 22.05.2013; 21.08.2013; 13.09.2013; 22.10.2013; 28.11.2013, 18.12.2013 and 20.5.2014 for Environmental Clearance on the above-mentioned subject.

2. The Ministry of Environment, Forests & Climate Change has considered the application. It is noted that the proposal is for grant of Environmental Clearance for **Expansion under 7(ii) of EIA Notification 2006 of Block –B Opencast Project from 4.375 MTPA to 5.47MTPA (25% additional of 4.375 MTPA of the existing EC) on an ML area of 1339 ha; Latitude 24<sup>o</sup> 09' 32" to 24<sup>o</sup> 11' 32" N & Longitude 82<sup>o</sup> 32' 36" to 82<sup>o</sup> 35' 12" E of M/s Northern Coalfields Ltd., Dist. Singrauli, Madhya Pradesh.** The proposal was considered in the 75<sup>th</sup> EAC meeting held on 3<sup>rd</sup> - 4<sup>th</sup> June, 2013 and reconsidered in the 5<sup>th</sup> EAC meeting held on 25<sup>th</sup> - 26<sup>th</sup> November 2013. The proponent has informed that:

- i. Ministry had issued the environmental clearance vide letter no, J-11015/40/2009-IA.II (M) dated 19.05.2009 for 4.375 MTPA. Now, project proponent requested for 25 % expansion as per O.M no. J-1105/30/2004- IA. II (M) dated. 19.12.2012.
- ii. The land usage of the project will be as follows:

Pre-mining:

S No.	Particulars	Land Area (Ha)
1	Forest Land	447.00
2	Agriculture Land (Tenancy Land)	463.00
3	Government Land	429.00
	Total	

## Post -mining

Sl. No.	Land use	Total Land Area (Ha)	Post mining land use in ha			
			Plantation/afforestation	Water body	Public use	Undisturbed Land
1.	Top Soil dump	Not estimated separately. Included in OB dump.				
2.	External Waste Dump (OB Dump)	429.10	429.10			
3.	Excavation area	460.20	113.30	346.90		
4.	Built up area	81.10			81.10	
5.	Afforestation (Green Belt)	183.98	183.98			
6.	Undisturbed area	184.62			184.62	
	Total	1339.00	726.38	346.90	81.10	184.62

Core Area: Total excavation area will be 460.20 ha and the back filled area would be 113.30 ha with a void /water body of 346.90 ha.

- iii. The total geological reserve is 110.67 MT. The mineable reserve is 87.67 M, extractable reserve is 87.67 MT. The per cent of extraction would be 79.21 %. The coal grades are C, D, E & F having stripping ratio of 3.31 m<sup>3</sup>/tonne. The average Gradient is 8 - 22 degrees. There will be total two seams with thickness ranging from 14.95 – 26.3 m.
- iv. There is no water river/nallha flows adjacent to the proposed mine.
- v. The total estimated water requirement is 5000 m<sup>3</sup>/d. The potable water would be 1280 m<sup>3</sup>/d from bore well & industrial water 3720 m<sup>3</sup>/d from mine sump and surface reservoir. The level of ground water ranges from 0.52 -16.14 m.
- vi. The Method of mining would be mechanized opencast by shovel dumper combination requiring drilling and blasting.
- vii. Power demand of 9.82 MW is being met by MPSEB through Morwa substation and is adequate for proposed expansion.
- viii. There are one external OB Dumps covering an area of 429.10 Ha. The height for the dumps would be 90 m. The total quantity of 242.29 mm<sup>3</sup>. The year of back filling would be 2027-28. There is two internal dump covering an area of 113.30 ha having a height upto 120 m. With the quantity of 47.85 mm<sup>3</sup>. The final mine voids will have an area of 346.90 ha. and depth 30-40 m which is proposed to be converted into a water body.
- ix. The ambient air quality monitored on fortnightly basis throughout the year. The monitoring activity is carried out since the year 2007 to till date and all results at all stations are within prescribed limits.
- x. The **life of mine** is 17 years from 2012-13.
- xi. **Transportation:** Transportation of coal in pit by rear dumpers. Surface to siding at present by trucks, CHP under construction and siding to loading by at present by trucks. The CHP is under construction.
- xii. There is no R & R involved. The no of PAFs will be 569.
- xiii. **Project Cost:** Total capital cost of the project is Rs. 535.10 Crore as. The cost of production would be Rs. 507.93/ton (Jan-13). The R&R Cost would be Rs. 579. 04 Lakhs. Environmental Management Cost is Rs. 1819.98 lakhs.
- xiv. **Approvals:** Ground water clearance has been obtained. The Mine Closure plan obtained on 14.05.2011. The Mining Plan for 4.375 MTPA approved on 07.04.2009. The Board's Approval was accorded on 23.02.2011.
- xv. **Wildlife issues:** There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.

- xvi. **Forestry issues:** Total forest area involved for mining 447.00 ha. The forest clearance for total area has been obtained. Extent of forest land in the project is ha. Stage -1 FC issued vide letter F. No. 8-59/2005-FC dated 14.09.2006 for 447.00 ha which is valid for 20 years.
- xvii. Total afforestation plan shall be implemented covering an area of 726.38 ha at the end of mining where reclaimed external OB dump 429.10 and Internal OB Dump 113.30 ha. Green Belt over an area of 183.98 ha. Density of tree plantation 2500 trees/ ha of plants. Till date 2.69 lakhs plants are planted.
- xviii. **The proponent has informed that the project is not under moratorium.**
- xix. There are no court cases/ violation pending with the project proponent.
- xx. **Public hearing:** The public hearing for opencast mine having capacity 4.375 MTPA was held on 26.08.2003.

3. Certificate of compliance of earlier EC from MoEF, Regional office, Bhopal has been received vide their letter no. 3-23/2005/(ENV)/1315 dated 20.08.2013. The Committee deliberated upon the compliance report received from MoEF, Regional Office, Bhopal. The Committee noted that the proponent has not complied with several conditions of the earlier EC which include reclamation of Gorbi Mine; measures for addressing Acid Mine Drainage (AMD) occurring in the Gorbi mine; progressive afforestation plan; Construction of the retaining wall at the toe of the dumps and OB benches within the mine to check run of and siltation shall be based on the rainfall data etc.

4. The Madhya Pradesh State Pollution Control Board, vide its letter no. 8723TS/MPPCB/2013 dated 07.12.2013 forwarding the letter from its Regional Office vide letter no. RO/MPPCB/2013 dated 6.12.2013 informed that "The area of Block-B project is not included in CEPI area as specified in MoEF OM dated 15.3.2013".

5. The proponent has submitted additional information, vide letter no. NCL/Env./Bock B/EC/MoEF/4747 dated 20.5.2014 intimating that implementation of acid mine water treatment will be carried out by CMPDI by treatment with lime. The salient features of the action plan include the following:

- (i) Preparation of interim report for acid water treatment by lime: by the end of 2013.
- (ii) Preparation of final report of acid water treatment: by the end of 3<sup>rd</sup> quarter of 2014.
- (iii) Precatory work for acid treatment (experimental) :by the end of 1<sup>st</sup> quarter of 2014.
- (iv) Start of acid treatment by neutralisation : by the middle of 2<sup>nd</sup> quarter of 2014.
- (v) Neutralisation process Phase-I(Exp) :by the end of 3<sup>rd</sup> quarter of 2014.
- (vi) Monitoring of Phase -I: by the end of 1<sup>st</sup> quarter of 2015.
- (vii) Neutralisation Process Phase II: by the end of 2<sup>nd</sup> quarter of 2015.
- (viii) Monitoring of Phase-II: by the middle of 4<sup>th</sup> quarter of 2015.
- (ix) Filling of voids by OB: by the end of 4<sup>th</sup> quarter of 2016 and will be continued till 2017.
- (x) Reclamation of filled area: by the end of 4<sup>th</sup> quarter of 2016 and will be continued till 2017.

6. The proposal was reconsidered in the Expert Appraisal Committee (EAC) (Thermal & Coal Mining) and recommended in its 5<sup>th</sup> meeting held on 25<sup>th</sup> - 26<sup>th</sup> November, 2013 for granting Environmental Clearance. The Ministry of Environment, Forests & Climate Change hereby accords environmental clearance for the above-mentioned **Expansion under 7(ii) of EIA Notification 2006 of Block -B Opencast Project from 4.375 MTPA to 5.47MTPA (25%**



**additional of 4.375 MTPA of the existing EC) on an ML area of 1339 ha; Latitude 24° 09' 32" to 24° 11' 32" N & Longitude 82° 32' 36" to 82° 35' 12" E of M/s Northern Coalfields Ltd., Dist. Singrauli, Madhya Pradesh under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments thereto subject to the compliance of the terms and conditions mentioned below:**

**A. Specific Conditions:**

- i. The Proponent shall implement its Action Plan dated 20.5.2014 for treatment of acid mine water. This shall be reviewed in the 1<sup>st</sup> quarter of 2017 by the MoEFCC/EAC. The Proponent and the State Pollution Control Board shall monitor the progress of the report and send reports to the concerned Regional Office of the MoEFCC.
- ii. The Proponent shall implement the acid mine treatment based on IIT, Bombay report;
- iii. NEERI to make annual inspection at the Proponent's cost but submit report directly to the MoEFCC regarding implementation of acid mine water treatment in the mine and also to assess impact of acid mine water in the mine to the nearby villages.
- iv. The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.
- v. The conditions as stipulated in the earlier J-11015/40/2009-IA.II (M) dated 19.05.2009 shall also be complied with.
  - i. Details of water recharge plan be developed within next six months for implementation.
  - ii. Rs. 2.75 Cr shall be provided as CSR cost which was agreed by the Proponent as against the proposed Rs. 1.635 Cr.
  - iii. Plantation be carried out in around the mine.
  - iv. Long term studies of impact of Gorbi acid mine on the surrounding surface and ground water need to be carried out. Detailed remedial management plan of the acid mine void be submitted and implemented.
  - v. External OBD to be fully rehandled into the mine void and mine void brought to the near surface level.
  - vi. Road transport from mine to siding (13 Km) away is to be stopped within two years and coal dispatch through CHP under construction through Railway wagons with silo loading.
  - vii. Screening of local population for health disorders need to be conducted by a competent Institute.
  - viii. Comparative analysis of land use based on satellite images and deviations, if any, be submitted for the record of the MoEFCC.
  - ix. The mining area should be grounded by green belt having thick closed thick canopy of the tree cover.
  - x. The Committee desired that a plan for repairing/plugging the cracks found in houses should be drawn up and implemented.
  - xi. Transportation of coal in pit by rear dumpers. Surface to siding at present by trucks, CHP under construction and siding to loading by at present by trucks. The CHP is under construction. The production shall be within the same Mining Lease area.
  - xii. The void area will be converted into water body. The depth of the internal void shall be 40 m from the ground level and be used for fishery purpose. 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.
  - xiii. The OB shall be completely re-handled at the end of the mining.
  - xiv. Garland drains be provided.
  - xv. There are 1689 PAFs. The R&R Cost would be Rs. 579.04 Lakhs.
  - xvi. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine.
  - xvii. The land after mining shall be brought back for agriculture purpose.

- xviii. Mine water should be treated for discharge into the lagoon. The quality of lagoon water shall be regularly monitored and mitigation measures taken.
- xix. The CSR cost should be Rs 5 per Tonnes of Coal produced which should be adjusted as per the annual inflation.
- xx. Everybody in the core area should be provided with mask for protection against fugitive dust emissions.
- xxi. Dust mask to be provided to everyone working in the mining area.
- xxii. The supervisory staff should be held personally responsible for ensuring compulsory regarding wearing of dust mask in the core area.
- xxiii. 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.
- xxiv. The mining area should be grounded by green belt having thick closed thick canopy of the tree cover.
- xxv. 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.
- xxvi. 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.
- xxvii. 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 Environment, Forests & Climate Change and its concerned Regional office on yearly basis.
- xxviii. 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.
- xxix. 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.
- xxx. 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.
- xxxi. Drills shall be wet operated.
- xxxii. 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,
- xxxiii. Controlled blasting shall be practiced with use of delay detonators and only during daytime. The proponent would need to repair the cracks in the houses if it occurred on account of blasting. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.
- xxxiv. A Progressive afforestation plan shall be implemented covering an area of 726.38 ha at the end of mining, which includes reclaimed external OB dump area (429.10 ha), internal OB dump area (113.30 ha), and green belt (183.98 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.
- xxxv. An estimated total 290.14 Mm<sup>3</sup> of OB will be generated during the entire life of the mine. Out of which 242.29 Mm<sup>3</sup> of OB will be dumped in one external OB Dumps in an earmarked area

covering 429.10 ha of land. 47.85 Mm<sup>3</sup> of OB will be dumped in two internal OB Dumps in an earmarked area covering 113.30 ha of land. The maximum height of external OB dump for hard OB will not exceed 90 m and that for soft OB shall 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.

- xxxvi. The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.
- xxxvii. Compensatory Ecological & Restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land be carried out.
- xxxviii. The mining should be phased out in sustainable manner. No extra over burden dumps are permitted.
- xxxix. No groundwater shall be used for mining operations.
- xl. Of the total quarry area of 460.20 ha, the backfilled quarry area of 113.30 ha shall be reclaimed with plantation and a void of 346.90 ha at a depth of 40 m which is proposed to be converted into a water body shall be 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.
- xli. Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. 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 Environment, Forests & Climate Change and to the Central Pollution Control Board quarterly within one month of monitoring.
- xl.ii. 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.iii. Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP wastewater.
- xl. iv. 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.
- xl. v. 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.
- xl. vi. 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
- xl. vii. 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.
- xl. viii. 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.
- xl. ix. The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent.

I. 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, Forests & 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 MoEFCC by e-mail.
7. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.
  8. The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent
  9. 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.
  10. The Ministry or any other competent authority may stipulate any further condition for environmental protection.





11. The Proponent shall setup an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions.
12. 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.
13. 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.
14. 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.
15. This EC supersedes the earlier EC, vide letter no. J-11015/40/2009-IA.II (M) dated 19.5.2009, for an expansion in production from 4.375 MTPA.

  
 (Dr. Manoranjan Hota)  
 Director

**Copy to:**

1. Secretary, Ministry of Coal, New Delhi.
2. Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, E-2/240 Arera Colony, Bhopal – 462016.
3. Secretary, Department of Environment & Forests, Government of Madhya Pradesh, Secretariat, Bhopal.
4. Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal – 462016.
5. Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
6. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
7. Dr. R.K. Garg, Advisor, Coal India Limited, SCOPE Minar, Core-I, 4t Floor, Vikas Marg, Laxmi nagar, New Delhi.
8. District Collector, Singrauli, Government of Madhya Pradesh.
9. Monitoring File    10. Guard File    11. Record File    12. Notice Board.

  
 (Dr. Manoranjan Hota)  
 Director

