

No. J-11015/128/2011-IA.II (M)
Government of India
Ministry of Environment, Forests & Climate Change
IA-II (Coal Mining) Division

Indira Paryavaran Bhawan,
Jorbagh Road,
New Delhi-110003

Dated: 24th December, 2014

To,

The General Manager (E&F)
M/s Eastern Coalfields Ltd.,
Asansol, Dist. Burdwan,
West Bengal.
Email: envecl@yahoo.com

Sub. : Simlong Expn. OCP of expansion (from 2 MTPA Normative to 2.30 MTPA Peak in an ML area of 246.65 Ha (327.74 Ha – 81.09 Ha = 246.65 ha); Latitude 24°44'33" N to 24°45'55" N and Longitude 87°26'30" to 87°28'38" E) M/s Eastern Coalfields Limited, located at distt. Pakur, Jharkhand- Environmental Clearance - reg.

Sir,

This is with reference to letter no. 43011/23/2011-CPAM dated 02.06.2011 along with the application for Terms of Reference (TOR) and this Ministry's letter dated 15.07.2011 granting TOR. Reference is also invited to the letter no CIL/DLI/EMP/2014/04 dated 18.02.2014 and subsequent letter nos. dated 12.03.2014; 22.07.2014; 23.07.2014 and email 24.11.2014 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 **Simlong Expn. OCP of expansion (from 2 MTPA Normative to 2.30 MTPA Peak in an ML area of 246.65 Ha (327.74 Ha – 81.09 Ha = 246.65 ha); Latitude 24°44'33" N to 24°45'55" N and Longitude 87°26'30" to 87°28'38" E) M/s Eastern Coalfields Limited, located at distt. Pakur, Jharkhand**. The proposal was considered in the 23rd EAC meeting held on 16th -17th October, 2014. The proponent has informed that:

- i. The TOR was granted to the project, vide letter no. J-11015/128/2011-IA.II(M) dated 15.07.2011 for 327.74 ha. The Proponent submitted the EIA/EMP report on 18.02.2014. The TOR expired as per the earlier OM dated 22.03.2010 and accordingly letter was issued on 19.05.2014 delisting the project from pending list. However, in accordance to the OM no. J-11013/41/2006-IA-II(I) (Part) dated 22.08.2014, the proposal submitted for consideration of EC.
- ii. The latitude and longitude of the project are 24°44'33" N to 24°45'55" N and 87°26'30" to 87°28'38" E respectively.
- iii. Joint Venture: No Joint Venture
- iv. Coal Linkage: NTPC Kahalgaon, Bihar.



v. Proposal :

	Existing	Incremental	Total
Leasehold Area	28.0 Ha	309.74 Ha	337.74 Ha
Capacity	0.26 MTY (highest pre – 1994 production achieved in 1981 – 82)	1.74 MTY (2.04 MTY – Peak)	2.00 MTY (2.30 MTY – Peak)

EIA carried out for peak increment of 2.04 MTY.

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

Pre-Mining& Post- Mining:

SI No	Landuse Type	Present Land use	Post- Land use
1	Excavated area including haul-road	11.00	
2	Quarry Safety Zone	-	
3	Agricultural/Fallow/Tenancy	168.0	
4	Govt./Danga/Wasteland	49.48	
5	Forest Land Undisturbed	81.09	
6	Colliery Infrastructure	4.12	6.87
7	Villages	16.05	
8	External OB Dump (Active)	2.00	
9	Plantation on External OB Dumps	-	20.00
10	CHP/Coal depot	1.00	
11	Road	3.00	3.00
12	Garland Drain	-	2.00
13	Tank	2.00	
14	Greenbelt/Plantation	-	77.37
15	Backfilled area (Active)	-	
16	Plantation on backfilled area	-	210
17	Rehabilitation Site	-	18.50
Total		337.74	337.74

- vii. The total geological reserve is 90.19 MT. The mineable reserve 38.80 MT, extractable reserve is 38.80 MT. The per cent of extraction would be 100 %.
- viii. The coal grade is D to G. The stripping ratio is 3.55 m³/te. The average Gradient is 80 -100. There will be 16 seams with thickness ranging upto 22.37 m.
- ix. The total estimated water requirement is 1018 m³/day out of which the peak industrial water demand for the mine has been projected as 583 m³/day and the total domestic water demand of the proposed OCP is projected as 435 m³/day. The level of ground water ranges in Pre – monsoon: 2.23 to 10.55 m BGL & Post – monsoon: 0.35 to 7.45 m BGL.
- x. The Method of mining would be by Shovel – Dumper Combination.
- xi. There are three external OB dumps (one permanent OB dump; two temporary OB dump) with Quantity of 24 Mbcm in an area of 20 ha with height of 60 meter above the surface level and two internal dump with Quantity of 131.80 Mbcm in an area of 210 ha.

- xii. No final mine voids in the cluster. The Total quarry area is 210 Ha. Backfilled quarry area of 210 Ha shall be reclaimed with plantation.
- xiii. EIA carried out for peak increment of 2.04 MTPA. The seasonal data for ambient air quality has been documented and all results at all stations are within prescribed limits.
- xiv. The **life of mine** will be 26 years (including 2 years for construction).
- xv. **Transportation:** Coal transportation in pit by shovels at face and transported to the CHP located at the pit mouth by colliery dumpers, Surface to Siding by Road transportation by 15 te dumpers and loading at siding by Payloaders onto wagons.
- xvi. There is **R & R** involved. There are 165 PAFs.
- xvii. **Cost:** Total capital cost of the project is Rs. 119.12 Crores. CSR will be allocated on the basis of 2% of the average net profit of the Company for the three immediate preceding financial years or Rs. 2.00 per tonne of coal production of previous year whichever is higher. R&R Cost 2437.21 Lakh. Environmental Management Cost (capital cost Rs. 1686.65 Lakh, annual recurring cost Rs. 152.40 Lakh).
- xviii. **Water body:** The Gumani river runs along the west & north west portion of the Simlong block from West to East. The ground level of the block also slopes gently from West to East. There are numerous seasonal nallas flowing from West to North and feed the river Gumani.
- xix. **Approvals:** Application made to CGWA, Ranchi, Jharkhand for ground water clearance. Mine Plan Approved on 28.03.2011. Mine closure plan has been approved in Dec, 2013.
- xx. **Wildlife issues:** There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.
- xxi. **Forestry issues:** Total forest area involved 84.57 Ha for mining. Application has been submitted to State Government for Forest Clearance of 81.09 Ha of forest land. Forest Clearance obtained for 3.48 Ha vide letter no. 324 on 23.02.2008.
- xxii. Total **afforestation** plan shall be implemented covering an area of 306.37 ha at the end of mining. Reclaimed external OB dump (20 ha); internal dump (210 ha); Green Belt over an area (76.37 ha). Density of tree plantation 1600 trees/ ha of plants.
- xxiii. **There is one court case/violation pending.** The mine is running on the basis of consent from Jharkhand State Pollution Control Board since inception in the year 1980 – 1981. In absence of prior – EC, the highest pre – 94 production was taken as the mine capacity. Thus, mine capacity was fixed at 0.265 MTY which was the highest achieved pre – 94 productions in the year 1981 – 82. However, the mine violated the provision once in 2009 – 10 by producing 0.44 MTY. Jharkhand State Pollution Control Board has filed a case in the court of CJM, Pakur for contraventions of the Sec (15) of the EPA act 1986 vide Complaint case no. 135/2013 on 19.03.2013. A Board resolution was submitted for not be repeating in future.
- xxiv. **Public Hearing** was held on 24.09.13 at Dak Bungalow Campus, Block Headquarters, Littipara Block, Dist Pakur, Jharkhand. The issues raised in the PH includes land compensation and employment; Rehabilitation work; provision for graveyard near the rehabilitation site; Medical facilities etc. All the commitments made during the Public Hearing shall be implemented.

3. This is a violation case. The proponent has exceeded the production limit. As per the Office Memorandum dated 12.12.2012 and 27th June, 2013 issued by the Ministry of Environment, Forests & Climate Change with regard to the consideration of proposals for ToR/Environment Clearance/CRZ clearance involving violation of the Environment (Protection) Act, 1986/EIA notification, 2006/CRZ notification, 2011, the Environmental Clearance will be granted after the written commitment in the form of a formal resolution by the Board of Directors submitted to the MoEF to ensure that violations will not be repeated and the State Government concerned initiates credible action on the violation by invoking powers under Section 19 of the Environment (Protection) Act, 1986 for taking legal action under section 15 of the Act for the period for which the violation has taken place and evidence provided to the MoEF of the action taken. As regards credible action, Jharkhand State Pollution Control Board has filed a case in the court of CJM, Pakur for contraventions of the Sec(15) of the EPA act 1986 vide Complaint case

no. 135/2013 on 19.03.2013. Project proponent has submitted Board's Resolution vide letter no. ECL: CS (266-C)/05 dated 28.12.2013 for not repeating violation.

4. Out of the total ML area is 327.74 Ha, of which forest land is 84.57 Ha. FC has been granted for diversion of 3.84 Ha of forest land vide letter No. 324 dated 23.02.2008 by MoEF. The FC for 81.09 Ha forestland is not available. Therefore, EC for ML area of 246.65 Ha ($327.74 \text{ Ha} - 81.09 \text{ Ha} = 246.65 \text{ ha}$) may be granted. In this regard, you are required to follow the guidelines issued by the FC Division of the Ministry of Environment, Forests & Climate Change vide no. 11-362/2012-FC dated 01-02-2013 "Guidelines for diversion of forest land for non-forest purposes under the Forest (Conservation) Act 1980. However, Submission of proposals to obtain forest land located within the mining lease and grant of environment clearance to mining projects" addressed to the Principal Secretary (Forests), Principal Secretary (Environment) of all the States/UT Govts. and copy to concerned Government Departments/Organisations which prescribes, inter-alia, the following:

" (iii) As regards Environment Clearance (EC) cases of existing mining operations, where approval under the FC Act for the full forest area in the mining lease area is not available, granting of EC may be considered and the following process will be adopted for processing such cases:

- (a) Grant of EC may be considered only for the non-forest area plus the forest area within the mining lease for which FC is available. No mining activities will be allowed in forest area for which the FC is not available; and
- (b) The project proponent will seek and obtain approval under the FC Act for diversion of the entire forest land located within the mining lease within a period of two years from the date of issue of these guidelines, failing which the mining lease area will be reduced to the non-forest area plus the forest area for which the project proponent has been able to obtain the FC at the end of this time period. In the case of reduction in mine lease area, the project proponent will need to get a revised mining plan approved from the competent authority for reduced area and enter into a new mining lease as per reduced lease area. The EC will be construed to be available for the mining lease area as per the revised mining lease deed."

However, diversion of forest land shall not been done under the paragraph (iii) (b) of the guidelines of FC dated 01.02.2013 in view of the Supreme Court's Order dated 27.01.2014 which stayed paragraph (iii) (b) of the Guidelines of FC Division dated 01.02.2013 till further orders. Para (iii) (b) is not being prescribed in view of the Supreme Court's Order dated 27.1.2014.

5. The proposal was considered in the Expert Appraisal Committee (EAC) (Thermal & Coal Mining) and recommended in 23rd EAC meeting held on 16th - 17th October, 2014 for granting Environmental Clearance. The Ministry of Environment, Forests and Climate Change hereby accords environmental clearance for the above-mentioned **Simlong Expn. OCP of expansion (from 2 MTPA Normative to 2.30 MTPA Peak in an ML area of 246.65 Ha ($327.74 \text{ Ha} - 81.09 \text{ Ha} = 246.65 \text{ ha}$); Latitude $24^{\circ}44'33'' \text{ N}$ to $24^{\circ}45'55'' \text{ N}$ and Longitude $87^{\circ}26'30''$ to $87^{\circ}28'38'' \text{ E}$) M/s Eastern Coalfields Limited, located at dist. Pakur, Jharkhand** 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. Grant of EC is accorded only for the non-forest area plus the forest area within the mining lease for which FC is available. No mining activities will be allowed in forest area for which the FC is not available.



A. Specific Conditions:

- i. Grant of EC is only for the non-forest area plus the forest area within the mining lease for which FC is available. No mining activities will be allowed in forest area for which the FC is not available. Para (iii) (b) of the guidelines of FC Division dated 01.02.2013 is not being prescribed in view of the Supreme Court's Order dated 27.1.2014.
- ii. The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.
- iii. The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.
- iv. No mining operations shall be undertaken in the forestland until clearance has been obtained under the provisions of FC Act, 1980.
- v. All the conditions stipulated in the Consent to Establish/ Consent to operate as issued by JSPCB shall be adhered to.
- vi. The land area between mine pit and bank of the river including embankment should be covered with the plantation of native species.
- vii. Coal transportation in pit by Dumpers, Surface to Siding by Dumpers and loading at siding by 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. 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.
- x. Garland drains be provided.
- xi. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine.
- xii. The land after mining shall be brought back for agriculture purpose to the extent possible.
- xiii. The CSR cost should be Rs 5 per Tonnes of Coal produced which should be adjusted as per the annual inflation.
- xiv. Everybody in the core area should be provided with mask for protection against fugitive dust emissions.
- xv. Dust mask to be provided to everyone working in the mining area.
- xvi. The supervisory staff should be held personally responsible for ensuring compulsory regarding wearing of dust mask in the core area.
- xvii. 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.
- xviii. The mining area should be surrounded by green belt having thick closed thick canopy of the tree cover.
- xix. 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.
- xx. 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.
- xxi. OB shall be stacked at one earmarked external OB dumpsite. 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.
- xxii. 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.

- xxiii. 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.
- xxiv. 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.
- xxv. Drills shall be wet operated.
- xxvi. 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,
- xxvii. 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.
- xxviii. A Progressive afforestation plan shall be implemented covering an area of 306.37 ha at the end of mining, which includes reclaimed External OB dump area (20 ha), Internal OB dump area (210 ha), along roads and Green belt (76.37 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.
- xxix. An estimated total 155.80 Mm³ of OB will be generated during the entire life of the mine. Out of which 24 Mm³ of OB will be dumped in one external OB Dumps an earmarked area covering 20 ha of land with height of 60 m. 131.80 Mm³ of will be two internal OB dump in covering an area of 210 ha with height of ground level. The maximum height of external OB dump for hard OB will not exceed 90 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 MOEF and its Regional Office on yearly basis.
- xxx. The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.
- xxxi. Compensatory Ecological & Restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land be carried out.
- xxxii. The mining should be phased out in sustainable manner. No extra over burden dumps are permitted.
- xxxiii. No groundwater shall be used for mining operations.
- xxxiv. Of the total quarry area of 210 ha the backfilled quarry area of 210 ha shall be reclaimed with plantation 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.
- xxxv. 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 the Central Pollution Control Board quarterly within one month of monitoring.
- xxxvi. 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.
- xxxvii. Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP wastewater.
- xxxviii. 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.

- xxxix. 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. 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 MOEF&CC and its concerned Regional office
- xli. 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.
- xlii. 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.
- xliii. 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 PM₁₀, PM_{2.5}, SO₂ and NO_x 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 (PM₁₀, PM_{2.5}, SO₂ and NO_x) 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 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.

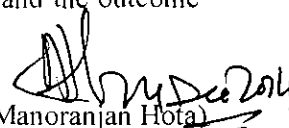


- vii. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.
- viii. Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type 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 PM₁₀, PM_{2.5}, SO₂ and NO_x (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.

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



7. The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent
8. 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.
9. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
10. The Proponent shall setup an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions.
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 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.
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.
14. The EC is subject to the outcome of the case filed in the CJM's Court, Pakur and the outcome of the Supreme Court case.


(Dr. Manoranjan Hota)
Director

Copy to:

1. Secretary, Ministry of Coal, New Delhi.
2. Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi.
3. Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, A-31, Chandrashekarapur, Bhubaneswar – 751023.
4. Member-Secretary, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), H.E.C., Dhurwa, Ranchi – 834004.
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, 4th Floor, Vikas Marg, Laxmi Nagar, New Delhi.
8. District Collector, Bokaro, Government of Jharkhand.
9. Monitoring File 10. Guard File 11. Record File. 12. Notice Board


(Dr. Manoranjan Hota)
Director

