



No. J-11015/98/2018- IA.II(M)  
Government of India  
Ministry of Environment, Forest and Climate Change  
Impact Assessment Division

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**Dated: 15<sup>th</sup> January, 2021**

To,

The Head of Department (Environment & Forest),  
M/s Central Coalfields Limited,  
Darbhanga House,  
**Ranchi** - 834029 (Jharkhand)  
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**Sub: New Kathara Coking coal washery of 3 MTPA capacity in an area of 11.33 ha of M/s Central Coalfields Limited located in village Bandh Tehsil Gomia District Bokaro (Jharkhand) - For Environmental Clearance**

Sir,

This has reference to your online proposal no.IA/JH/CMIN/77799/2018 submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986 for New Kathara Coking coal washery of 3 MTPA capacity in an area of 11.33 ha of M/s Central Coalfields Limited located in village Bandh Tehsil Gomia District Bokaro (Jharkhand)

The project/activity is covered under category 'A' of item 2 (a) 'Coal Washeries' the Schedule to the EIA Notification, 2006.

2. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for Thermal & Coal Mining Sector in its 53<sup>rd</sup> meeting held on 20<sup>th</sup> February, 2020, 1<sup>st</sup> EAC held on 17-18 August, 2020 and 4<sup>th</sup> EAC meeting held on 27<sup>th</sup> November, 2020. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under:-

- (i) The project was accorded with TOR vide letter no. IA-J-11015/98/2018-IA-II(M) on 15<sup>th</sup> March, 2019 with Public hearing.
- (ii) Public Hearing was held on 16<sup>th</sup> October, 2019 at Officer's club, Kathara Area, CCL, PO-Kathara, District-Bokaro. The issues raised in the PH includes drinking Villagers rehabilitation unemployment, school education, land compensation, Coal India policy related to returning land, Electricity, Pollution control, drinking water, health etc.
- (iii) The project area is covered under Survey of India Topo Sheet No. 73E/13 and is bounded by the geographical coordinates ranging from 23.75108 to 23.75527 N and longitudes 85.86821 To 85.87401 E

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- (iv) Coal linkage of the project is proposed for Washed Coal (Power) Clean Coal, Reject use for various destinations.
- (v) Proposed linkage for washed coal – SAIL, RINL- BSCS(Bokaro), DSP (Durga), RSP (Rourkela steel plant), Bhilai steel plant, V.S.P.S(Visakhapatnam steel plant) etc. Proposed linkage for washed Coal Power DVC, SAIL, NTPC- C.T.P.S (chandrapura), K.P.S.h(Koderma), BPSCL (SAIL-DVC), TANDA(NTPC), UCR (Uchahar-NTPC), DADRI(NTPC), DSP(DURGAPUR), Bhilai Steel plant, R.S.P etc.
- (vi) Joint venture cartel has been formed- No.
- (vii) Project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC's vide its OM dated 13th January, 2010 has imposed moratorium on grant of environment clearance.
- (viii) Employment generation: to 1320 persons will be provided from the project.
- (ix) The project is reported to be beneficial in terms of Social, Environment, and Financial
- (x) The plan for washery has been approved by CCL board 469<sup>th</sup> (No. 1 of 2019) meeting held on 01&02/02/2019. And communicated vide no. CS/BM/469/2019/151 dtd. 05/03/2019.
- (xi) The land usage pattern of the project is as follows:

Pre-mining (Washery) land use details

(Area in Ha)

| S. No. | Land Use             | Within ML Area | Outside ML Area | Total |
|--------|----------------------|----------------|-----------------|-------|
| 1      | Agricultural Land    | 2.97           | 0.00            | 2.97  |
| 2      | Forest Land          | 0.00           | 0.00            | 0.00  |
| 3      | Wasteland            | 8.36           | 0.00            | 8.36  |
| 4      | Grazing Land         | 0.00           | 0.00            | 0.00  |
| 5      | Surface Water Bodies | 0.00           | 0.00            | 0.00  |
| 6      | Settlements          | 0.00           | 0.00            | 0.00  |
| 7      | Others (Specify)     | 0.00           | 0.00            | 0.00  |
|        | Total Project Area   | 11.33          | 0.00            | 11.33 |

- (xii) Life of mine (Washery) is 18 years.
- (xiii) Transportation of coal for raw coal has been proposed from Kathara OCP, Govindpurph-II proposed washery. The proposed utilization of washery rejects shall be in the nearby Kathara CPP. The traffic assessment study has been carried out for the coal transportation to the New Kathara Coal washery. The coal transportation from Govindpur OC to New Kathara Coking coal washery will add 07 trucks/hr (26 x 2 PCU's) to the existing traffic and the traffic on the existing coal road remains smooth
- (xiv) Land use of New Kathara Coking Coal Washery Contains 0.66 Ha of green belt a part from 4.99 Ha of main plant, 5.68 Ha of stock Pile, loading bunker, dumping reject site, slurry pond etc. Block Plantation will be developed around the Washery area of a strip of 3 m. Plantation will be done in consultation with State Forest Department.

| S. No.                                                    | Total Area | Total No. of saplings required | Average rate of 1 to 2 year old saplings (Rs.) | Total cost of saplings @ Rs. 2200 per sapling including maintenance for 4 years |
|-----------------------------------------------------------|------------|--------------------------------|------------------------------------------------|---------------------------------------------------------------------------------|
| Green Belt Development                                    |            |                                |                                                |                                                                                 |
| Roadside Plantation upto 3 kms from the proposed washery: |            |                                |                                                |                                                                                 |
| 1                                                         | 3 Kms      | 2X300=600                      | 2150                                           | 12,90,000                                                                       |
| Block Plantation around washery:                          |            |                                |                                                |                                                                                 |
| 2                                                         | 0.66 Ha    | 1650                           | 110                                            | 1,81,500                                                                        |
| <b>Total</b>                                              |            |                                |                                                | 14,71,500 say 15 Lakhs                                                          |

- (xv) The amount Rs.80 Lakh has been allocated as green belt development in Air pollution control measure head. Time line: green belt is proposed to be developed within 4 years.
- (xvi) No forest land is involved
- (xvii) No National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones have been reported with 10 km boundary of the project. There is no Migratory corridors, National parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant reserves within 10 km of the project lease area.
- (xviii) As per secondary sources, Avifauna Peafowl come under Schedule-I species as per Indian wildlife (protection) Act, 1972 was found in the buffer zone. Conservation plan prepared and submitted to PCCF, CWLW, Govt. of Jharkhand. Budget of ₹ 24 Lakh provided towards conservation plan
- (xix) The ground water level has been reported to be varying between 5.6 m to 11.54 m during pre-monsoon and between 1.48 m to 6.9 m during post-monsoon. Total water requirement for the project is 1869 KLD. Recirculation of about 7000 cum /day of treated waste water will be ensured.
- (xx) No Groundwater is proposed to be used for any purpose.
- (xxi) This is a new project. Consent to operate will be applied after issuance of Environment Clearance.
- (xxii) No River/nalla are flowing within boundary of lease. Garland drains around the washery shall be provided to carry storm water into slime pond. The slime pond shall be in series. One set of ponds will be for treatment of effluent, second set for drying and third set for cleaning. In addition, there will be one pond to store treated water. Treated Water will be recycled for use as process water. The washery shall be a zero water effluent discharge washery
- (xxiii) Baseline data for air quality (PM10, PM2.5, SO2, NOX) (6 stations), noise (day & night) (6 stations), water (surface (2 stations), ground water (2 stations), effluent water (1 station)), have been collected from 24 Apr 2019 to 07 Jun 2019 by M/s Go Green Mechanisms Pvt. Ltd. Jetalpur, Ahmedabad (NABL no.TC-7073 valid upto 08.12.20)

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- (xxiv) Regular monitoring of ambient air quality is being carried out on fortnightly basis. The Air Quality Impact Prediction has been carried out with AERMOD (Version 9.4) software of USEPA
- (xxv) No court cases, violation cases are pending against the project of the PP.
- (xxvi) The project does not involve violation of the EIA Notification, 2006 and amendment issued thereunder. The coal production from the washer is yet to start.
- (xxvii) The project involves no project affected families. No R&R of the PAPs will be required.
- (xxviii) Total cost of the project is ₹ 26950 lakhs. Cost of production is ₹ 2978/- per tonne., CSR cost is ₹ 2 per tonne, R&R cost is Rs Nil. Environment Management Cost is Rs. 1.7 crores (Capital); Rs. 0.5 Crores (Recurring) and Corporate Environment Responsibility (CER) is Rs. 4.04 Crores.

3. The Expert Appraisal Committee in its 4<sup>th</sup> meeting held on 27<sup>th</sup> November, 2020 has recommended the proposal for grant of Environment Clearance. Based on the recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval of Environment Clearance to the proposal of **New Kathara Coking coal washery of 3 MTPA capacity in an area of 11.33 ha of M/s Central Coalfields Limited located in village Bandh Tehsil Gomia District Bokaro (Jharkhand)**, under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto and in addition to the standard conditions for coal washery as specified at Annexure-XVII of this Ministry's OM No. 22-34/2018-IA.III dated 9<sup>th</sup> August, 2018 as mentioned below:

- (i) The project proponent shall obtain Consent to Establish/Operate from the State Pollution Control Boards for the proposed capacity of 3 MTPA prior to commencement.
- (ii) Third party monitoring (by NEERI/CIMFR/IIT/NITs) for air quality shall be carried out at identified locations, both ambient and the process area, to arrive the impact at regular interval of 3 years.
- (iii) Transportation of coal from Coal Handling Plant shall be through mechanized covered trucks of capacity 100 tonne.
- (iv) All the villages coming under the zone of influence as in hydrology study shall be provided with suitable water supply along with sanitation facility
- (v) Commitment made during public consultation process shall be adhere to. As proposed, budget earmarked for CER activities shall be considered as part of Environment Management Plan, which shall be accomplished within period of 5 years.
- (vi) Water quality and Bioassay test of Damodar River shall be monitored quarterly and submitted to State Pollution Control Board. No wastewater shall be discharged in river.
- (vii) Surface runoff from Storage yard of coal, reject dumps shall be stored in settling tank and later treated before any usage and quality shall be check frequently.
- (viii) Road inside and at periphery of the washery plant shall be constructed of concrete only.
- (ix) Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient fixed type water sprinklers. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized

- sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, dust suppression arrangement at loading and unloading points, etc.
- (x) Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.
  - (xi) The total industrial water demand (peak) in operation phase shall be met by utilizing mine water
  - (xii) Water storage ponds shall be constructed of appropriate depth in nearby village in collaboration with Gram Panchayats.
  - (xiii) Fund allocated in Approved Wildlife conservation plan for schedule I species shall be deposited within six months of issue of EC letter. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.
  - (xiv) 40% Green belt along the washery periphery/boundary should be developed on priority basis within first 3 years.
  - (xv) 100% washery rejects shall be used only in FBC Power Plants/Thermal Power Plant as proposed by Project Proponent.
  - (xvi) Transportation of rejects shall only be in 35 to 50 tonne trucks only if railway siding is not present at utilization points. If railway siding is available at FBC Power Plants/Thermal Power Plant, then no transportation shall be allowed by trucks.
  - (xvii) Persons of nearby villages shall be given training on livelihood and skill development to make them employable.
  - (xviii) Project proponent to plant 150,000 nos. of native trees with broad leaves along the transportation route (Kathara OCP and Govindpur OCP) in three years to prevent the effect of air pollution. After completion of tree plantation, number of trees shall be duly endorsed from District Forest Officer.
  - (xix) Quality of road from Govindpur OCP and Kathara OCP to Washery shall be improved and concrete road shall be constructed along the route.
  - (xx) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.
  - (xxi) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and

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keeping the noise levels well within the prescribed limits for day light/night hours.

**3.1** The grant of environmental clearance is further subject to compliance of generic conditions applicable coal washery as under

**(a) Statutory compliance:**

- (i) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- (ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (iii) The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area.
- (iv) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- (v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority.
- (vi) Solid waste/hazardous waste generated in the washery needs to addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016.
- (vii) Coal beneficiation practices shall be carried out under strict adherence to provisions of the Factories Act, 1957 and subordinate legislations made there under.

**(b) Air quality monitoring and preservation**

- (i) Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO<sub>2</sub> and NO<sub>x</sub>. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors 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.
- (ii) Continuous ambient air quality monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub>. 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. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.

- (iii) Transportation of coal by road shall be carried out by covered trucks/conveyors. The transportation of clean coal and rejects shall be by rail with wagon loading through silo. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulates such as roads, belt conveyors, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled at source. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
- (iv) All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned. Coal transportation shall be carried out by covered trucks.
- (v) Covered trucks shall be engaged for mineral transportation outside the washery upto the railway siding, shall be optimally loaded to avoid spillage en-route. Trucks shall be adequately maintained and emissions shall be below notified limits.
- (vi) Facilities for parking of trucks carrying raw material from linked mine shall be created within the unit.
- (vii) Vehicular emissions shall be kept under control and regularly monitored. The vehicles having 'PUC' certificate from authorized pollution testing centres shall be deployed for washery operations.
- (viii) Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
- (ix) The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
- (x) The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.

**(c) Water quality monitoring and preservation**

- (i) The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.

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- (ii) The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No. J-20012/1/2006-1A.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for compliance.
- (iii) Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time.
- (iv) The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the washery. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side stabilised with plantation so as to withstand the peak water pressure preventing any chance of inundation.
- (v) Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
- (vi) The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run off from reject dumping sites.
- (vii) An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake *etc.* with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
- (viii) Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
- (ix) Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
- (x) No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m<sup>3</sup>/tonne of raw coal.
- (xi) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The

ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.

- (xii) Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
- (xiii) The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government

**(d) Noise and Vibration monitoring and prevention**

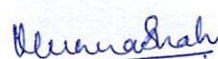
- (i) The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.
- (ii) Adequate measures shall be taken for control of noise levels as per noise pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.

**(e) Coal beneficiation**

- (i) Coal stacking plan shall be prepared separately for raw coal, clean coal, middling and rejects.
- (ii) Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.

**(f) Green Belt**

- (i) Three tier greenbelt comprising of a mix of native species, of minimum 30 m width shall be developed all along the washery area to check fugitive dust emissions and to render aesthetic to neighbouring stakeholders. A 3-tier green belt comprising of a mix of native species or tree species with thick leaves shall be developed along vacant areas, storage yards, loading/transfer points and also along internal roads/main approach roads.
- (ii) The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

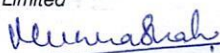


**(g) Public hearing and Human health issues**

- (i) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & its RO on six-monthly basis.
- (ii) The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any. as amended time to time.
- (iii) Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
- (iv) Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
- (v) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/57/2014-IA.II (M) dated 29<sup>th</sup> October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.

**(h) Corporate Environment Responsibility**

- (i) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 30th September 2020 and based on commitment made during public consultation process for incorporating in EIA-EMP for deliberation of EAC
- (ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.



- (iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- (iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- (v) Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

(i) **Miscellaneous**

- (i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- (v) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- (vi) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

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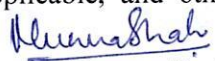
- (vii) The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
  - (viii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  - (ix) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  - (x) No change in coal beneficiation process and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC) with such conditions mentioned therein. No change in the maximum quantum of raw material feed per annum against the approved washery capacity shall be made.
  - (xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - (xii) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - (xiii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  - (xiv) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  - (xv) The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 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.
4. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
5. The proponent shall 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. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

6. 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.

7. The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2<sup>nd</sup> August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.


8. The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.

9. This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.

  
(Munna Kumar Shah)  
Scientist D

**Copy to:**

1. The Secretary, Ministry of Coal, ShastriBhawan, New Delhi
2. The Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi
3. The Additional Principal Chief Conservator of Forests, Regional office (ECZ), Ministry of Environment Forests and Climate Change, Bungalow No. A-2, Shyamali Colony, Ranchi - 834002
4. The Chairman, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi
5. The Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
6. The Chairman, Jharkhand State Pollution Control Board, TA Building, HEC Complex, PO Dhurwa, Ranchi
7. The District Collector, **Bokaro**, Government of Jharkhand
8. Monitoring File/Record File/ Guard File
9. PARIVESH Portal

  
(Munna Kumar Shah)  
Scientist D