

भारत कोकिंग कोल लिमिटेड
(एक मिनीरत्न कंपनी)
(कोल इण्डिया लिमिटेड की एक अनुगुंी कंपनी)
(भारत सरकार का उपक्रम)



Bharat Coking Coal Limited
(A Miniratna Company)
(A Subsidiary of Coal India Limited)
(A Government of India Undertaking)

Office of the General Manager, Bastacolla Area, Dhanbad-828111

Ref. No: BCCL/BA/IX/GM/EC Compliance/2026-27/74

Date: 27.05.2026

To,
The Regional Director,
Ministry of Environment, Forest & Climate Change,
Regional Office, ECZ,
Bungalow No. A-2, Shyamli Colony,
Ranchi - 834002.

Subject: Six Monthly Report on Compliance of Environmental Clearance Conditions for the period of October' 2025 to March' 2026 in respect of Cluster VIII Coal Mining Project of M/s BCCL.

Ref. No.: EC Order No. J-11015/298/2010-IA. (M) Dated 15.02.2013 later amended on 15.11.2020, 28.03.2023 and Expansion on 02.05.2024 and amended on 09.03.2026

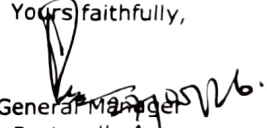
Dear Sir,

Please find enclosed herewith six-monthly report on compliance conditions laid down in Environmental Clearance for the period from October' 2025 to March' 2026 in respect of Cluster VIII Coal Mining Project of M/s BCCL.

Thanking You,

Encl: As above

Yours faithfully,


General Manager
Bastacolla Area
(Cluster VIII Coal Mining Project)

General Manager
Bastacolla-IX

Copy to:

1. The Director I A, Monitoring Cell, Paryavaran Bhawan, CGO Complex, New Delhi-110003.
2. The Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
3. The Scientist "E"/In-Charge, Zonal Office Kolkata, Central Pollution Control Board, Kolkata.
4. General Manager (Min)/HOD(Env)- Koylabhawan, BCCL
5. Project Officer (BOCP, KOCP & Kujama OCP)
6. Office Copy

Six Monthly Environmental Clearance Compliance Report of Cluster VIII Coal Mining Project

EC No: J-11015/298/2010-IA.II(M) Dated

15.02.2013/15.06.2018/15.11.2020/28.03.2023/02.05.2024/09.03.2026

Period: October 2025 to March 2026

A. Specific Conditions																				
Sl. No.	Condition	Compliance/ Action Taken Report																		
i	The Maximum production shall not exceed beyond that for which environmental clearance has been granted.	Complied. The cluster VIII EC capacity has been revised from 5.603 MTPA to 6.723 MTPA (20 % expansion) vide proposal number IA/JH/CMIN/460662/2024 and revised EC issued on 02.05.2024 and amended on 09/03/2026 The production from the cluster is within the limit. Production data of reporting period i.e.October' 2025 to March' 2026 is enclosed as Annexure-I. <table border="1"> <thead> <tr> <th>Year</th><th>Peak Production Capacity (MTPA)</th><th>Actual Production (MTPA)</th></tr> </thead> <tbody> <tr> <td>2021-22</td><td>5.603</td><td>4.01</td></tr> <tr> <td>2022-23</td><td>5.603</td><td>4.52</td></tr> <tr> <td>2023-24</td><td>5.603</td><td>4.89</td></tr> <tr> <td>2024-25</td><td>6.723</td><td>4.01</td></tr> <tr> <td>2025-26</td><td>6.723</td><td>1.759*</td></tr> </tbody> </table> * Production from October' 2025 to March' 2026	Year	Peak Production Capacity (MTPA)	Actual Production (MTPA)	2021-22	5.603	4.01	2022-23	5.603	4.52	2023-24	5.603	4.89	2024-25	6.723	4.01	2025-26	6.723	1.759*
Year	Peak Production Capacity (MTPA)	Actual Production (MTPA)																		
2021-22	5.603	4.01																		
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2024-25	6.723	4.01																		
2025-26	6.723	1.759*																		
ii	The road transportation of coal during Phase-I should be done by mechanically covered trucks. The road used for coal transportation should be developed with avenue plantation on both sides.	Complied. - Presently coal transportation has been done by trucks with tarpaulin cover. Covering of truck has been made mandatory in the transportation contract. - Avenue Plantation has been done along the roads and it shall be continuously carried out as per availability of space. - Avenue Plantation has been developed along major coal transporting route to BNR Railway Siding. 800 gabion plantation along transportation route has been done (Photographs are enclosed as Annexure II).																		
iii	The company must give priority to capacity building both within the company and to the local youth, who are motivated to carry out the work in future.	Complied. Company is organizing training on regular basis through Vocational Training Centre at Area Level and Human Resource Department at Company Level.																		
iv	Details of transportation, CSR, R&R and implementation of environmental action plan for each of the 17 clusters should be brought out in a booklet form.	Complied. Details of Transportation, CSR, R&R and Implementation of Environmental Action Plan is submitted regularly on Annual Basis. Attached as Annexure-III																		

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v	A study should be initiated to analyze extent of reduction in pollution load every year by reducing road transport.	Complied. The study has been completed by the CMPDIL to analyze the extent of reduction in pollution load every year by reducing road transport. Enclosed as Annexure IV.
vi	The expertise available internationally should be utilized for control of fire in Jharia Coalfields and for their reclamation and to further minimize time for fire and subsidence control.	Compliance is under process. - Global Expression of Interest had been opened for the international experts/ firms/ consultants/ agencies to deal with coal mine fire in Jharia Coalfield with vision of reclamation, further minimization of spread of fire & subsidence control for which no bidder has qualified to take up the work. However, retendering for the same is under process. Enclosed as Annexure-V. - Recommendations of NRSC is being implemented to control fire in JCF.
vii	The abandoned pits and voids should be backfilled with OB and reclaimed with plantation and or may be used for Pisciculture.	Complied. - Backfilling process in abandoned pits and voids are continuously carried out along with the mining operation. - Ecological restoration and Plantation is being carried out at the stable/finalized OB dumps. - Grass Seed Balls are broadcasted on slopes of OB Dumps for stabilization and further taking it up for Biological Reclamation. - Abandoned Pits (If any) shall be utilized for Pisciculture in Post Mining Phase.
viii	BCCL may consider setting up a separate management structure for implementing environment policy and socio-economic issues and the capacity building required in this regard.	Complied. - A full-fledged Environment Department, headed by a HoD (Environment) along with a suitable qualified multi-disciplinary team of executives have been established at Company Headquarters for implementation of Environment Policy of the company. - One Executive in each area has also been nominated as Nodal Officer (Environment) for looking after routine environment related jobs along with an Environment Management Cell at Area Level. - For implementation and execution of work related to Socio-Economic Issues, an executive of Community Development Cadre is also posted at area level.

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Period: October 2025 to March 2026

ix	The locations of monitoring stations in the Jharia Coalfields should be finalized in consultation with the Jharkhand State Pollution Control Board.	Complied. The optimum location of monitoring stations in Jharia Coal Field has been finalized with the approval of Jharkhand State Pollution Control Board. Enclosed as Annexure VI.
x	The smoke / dust emission vary from source to source (fuel wood, coal, fly ash from TPPs, silica from natural dust, etc.) and a source Apportionment Study should be got carried out for the entire Jharia Coalfields.	Complied - Source Apportionment Study has been completed by NEERI. - Final Report is enclosed as Annexure VII
xi	Mineralogical composition study should be undertaken on the composition of the suspended particulate matter (PM ₁₀ and PM _{2.5}) in Jharia Coalfields and also quantified. These studies would help ascertain source and extent of the air pollution, based on which appropriate mitigative measures could be taken.	Complied - Source Apportionment Study has been completed by NEERI. - Final Report is enclosed as Annexure VII - Mineralogical Composition Study is also a part of Source Apportionment Study. Details enclosed as Annexure VII.
xii	The proponent shall prepare time-series maps of the Jharia Coalfields through NRSA to monitor and prevent fire problems in the Jharia Coalfields by Isothermal mapping/imaging and monitoring temperatures of the coal seams (whether they are close to spontaneous ignition temperatures) and based on which, areas with potential fire problems shall be identified.	Complied. - NRSC has been engaged for preparation of time series maps to monitor and prevent fire problems of Jharia Coalfield by Isothermal mapping/imaging and monitoring temperatures of the coal seams. - NRSC has delineated surface fire and associated land subsidence in Jharia Coalfield using satellite based remote sensing techniques. - NRSC has submitted its latest Report in May 2025. - Conclusions of study have been enclosed as Annexure VIII.
xiii	Measures to prevent ingress of air (Ventilation) in such areas, to prevent restart fresh/spread fires in other areas including in mines of cluster VIII shall be undertaken.	Complied. - Action is being taken as per Jharia Master Plan approved by GOI and State Govt. of Jharkhand. Excavation/ Open Cast mining is being done in the fire/subsidence affected mines to dig out combustible materials to save the coal from burning and to prevent further spread of the fire. - Old UG Workings have been sealed off to prevent ingress of Air in other areas.

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xiv	Underground mining should be taken up after completion of reclamation of Opencast mine area after 15 years.	Complied. - Underground Mining will be done after extraction of Coal from overlying seams having feasibility of Open Cast Mining. - UG Mining shall be taken up at backfilled and reclaimed area by analyzing detailed feasibility of Project.
xv	No mining shall be undertaken where underground fires continue. Measure shall be taken to prevent/check such fire including in old OB dump areas where the fire could start due to presence of coal/shale with sufficient carbon content.	Complied. - Mining is being carried out by OC Method where UG fire is present with due permission from DGMS. - Action is being taken to control, mine fires including old OB dump & areas as specified in Jharia Master Plan.
xvi	The rejects of washeries in Cluster –VIII should be send to FBC based plant.	Not applicable. Coal washery does not exist in this cluster.
xvii	There shall be no external OB dumps. At the end of the mining there shall be no void and the entire mined out area shall be re-vegetated. Areas where opencast mining was carried out and completed shall be reclaimed immediately thereafter.	Being complied. - Progressive mine closure activities are being carried out as per approved Mine Closure Plan and present geo-mining conditions. - At the end of the mining, there shall be no void and area will be re-claimed as per approved Mine Closure Plan.
xviii	A detailed calendar plan of production with plan for OB dumping and backfilling (for OC mines) and reclamation and final mine closure plan for each mine of cluster-VIII shall be drawn up and implemented.	Complied. - Mining operation is being done with the proper reclamation techniques as per approved Calendar Plan. Internal as well as External Targets are also being maintained in order to achieve Energy Security of the Nation. - Mine closure plan as per the guidelines of Ministry of Coal has been prepared by Central Mine Planning and Design Institute (CMPDI). - Progressive mine closure activities is being implemented regularly as per approved Mine Closure Plan considering present geo-mining conditions.

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xix	The void shall be converted into a water reservoir of a maximum depth of 15-20 m and shall be gently sloped and the upper benches of the reservoir shall be stabilized with plantation and the periphery of the reservoir fenced. The abandoned pits and voids should be backfilled with OB and biologically reclaimed with plantation and or may be used for Pisciculture.	It is being complied. ▪ Abandoned pits are regularly filled with over burden. The steps are also being taken rigorously to prevent occurrence of Illegal Mining. ▪ Plantation has been done on periphery of voids converted into reservoir. ▪ Old quarries where coal is already extracted is converted into water reservoir. Water from these old quarries/water reservoir is being used by local community. ▪ Abandoned Pits/Voids will be utilized for Pisciculture in Post Mining Phase.
xx	Mining shall be carried out as per statute from the streams/Nalas flowing within the lease and maintaining a safe distance from the Nalas flowing along the lease boundary. A safety barrier of a minimum 60 m width shall be maintained along the Nalas/water bodies. The small water bodies in OC shall be protected to the extent feasible and the embankment proposed along water body shall be strengthened with stone pitching.	It is being complied. Mining is being done as per the guidelines and permissions of Directorate General of Mines Safety (DGMS) in accordance with Coal Mines Regulation, 2017. ▪ Embankment has been constructed as per requirement. Photographs are attached as Annexure IX.
xxi	Active OB dumps near water bodies and rivers should be rehandled for backfilling of abandoned mine voids. However, those which have been biologically reclaimed need not be disturbed.	It is being complied. ▪ Active OB dumps near water bodies and rivers shall be re-handled for backfilling of abandoned mine voids as per approved Mine Closure Plan. ▪ The OB dumps created earlier near water body are already stabilized and biologically reclaimed and it shall be protected and maintained.
xxii	Thick green belt shall be developed along undisturbed areas, mine boundary and in mine reclamation. During post mining stage, a total of 704.48 Ha area would be reclaimed. The total additional area under plantation would be 345.06ha (67.79 Ha abandoned quarry area, 277.27 Ha active quarry area, 48.55 ha OB dump outside quarry area, 6.30 ha service building/mine infrastructure area/coal dump etc, 108.26 ha green belt around OCP, 196.31 ha barren area), by planting 1761200 plants in 704.48 ha at a total cost Rs. 7202.46 lakhs.	It is being complied. ▪ Plantation has been regularly done on mined out areas, OB dumps in scientific manner as per availability of de-coaled area. At present, Plantation is established over 55 Ha on stabilized OB Dumps and abandoned quarry. ▪ There is constraint of encroachment in entire Cluster due to which mining and its allied activities are also hindered. ▪ Plantation shall be continuously carried out in line with availability of Land as per geo-mining conditions.

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xxiii	The road should be provided with avenue plantation on both side as trees act as sink of carbon and other pollutant.	Compliance is under progress. ▪ Avenue plantation has been done in non-coal bearing areas as well as in colonies. ▪ 1500 Nos of Avenue Plantation has been raised through State Forest Department on Major Coal Transportation Route to BNR Railway Siding. ▪ 800 Gabion plantation work is done in monsoon season of 2025 along the transportation route and schools. ▪ Plantation work is going on with departmentally available manpower and resources. ▪ Photographs enclosed as Annexure II.
xxiv	Specific mitigative measures identified for Jharia Coalfields in the Environmental Action plan prepared for Dhanbad as a Critically polluted area and relevant for Cluster VIII shall be implemented.	It is being complied. Action Plan has been prepared in consultation with Jharkhand Pollution Control Board for entire BCCL and not on cluster basis. It is being implemented comprehensively. Some of the salient actions of this cluster are as under: 1. Covered Truck Transport 2. Construction of Pucca Road wherever feasible. 3. Mine water utilization 4. Plantation. Etc.
xxv	The locations of monitoring stations in the Jharia Coalfields should be finalized in consultation with the Jharkhand State Pollution Control Board. The Committee stated that smoke/dust emission vary from source to source (fuel wood, coal, fly ash from TPPs, silica from natural dust, etc) and a Source Apportionment Study should be got carried out the entire Jharia Coalfields. Mineralogical composition study should be undertaken on the composition for the suspended particulate matter (PM10 and PM2.5) in Jharia Coalfields and also quantified. These studies would help ascertain source and extent of the air pollution, based on which appropriate mitigative measures could be taken.	Complied. ▪ The locations of monitoring stations have been finalized in consultation with JSPCB. Approval of locations is attached as Annexure VI. ▪ Source Apportionment Study has been completed by NEERI. ▪ Final Report is enclosed as Annexure VII. ▪ Mineralogical Composition Study is also a part of Source Apportionment Study. Details enclosed as Annexure VII. ▪ MoU with NEERI, Nagpur and Work Order issued to NEERI, Nagpur is attached as Annexure VII.

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xxvi	No groundwater shall be used for the mining activities. Additional water required, if any, shall be met from mine water or by recycling/reuse of the water from the existing activities and from rainwater harvesting measures. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry to dewatering of mine.	It is being complied. ▪ Mine water is being used for the industrial as well as domestic purpose. Mine water is also supplied to colonies and community after filtration through pressure filters, slow sand filters and rapid sand filters. ▪ A MoU has been signed between Coal India Ltd. & Govt. of Jharkhand for providing mine water to nearby villages. A copy of MoU has been enclosed as Annexure X.
xxvii	Regular monitoring of groundwater level and quality of the study area 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 including Arsenic and Fluoride during the month of May. Data, thus collected shall be submitted to the Ministry of Environment & Forest and to the Central Pollution Control Board/SPCB quarterly within one month of monitoring. Rainwater harvesting measures shall be undertaken in case monitoring of water table indicates a declining trend.	Complied. ▪ Two Number of Piezometers were constructed in Cluster VIII. Photographs enclosed as Annexure XI. ▪ CMPDI is regularly conducting study of groundwater level and quality of areas within Cluster VIII. Groundwater monitoring data has been enclosed as Annexure XII. ▪ Digital Water Level Recorder for Ground Water Level Monitoring has been installed. Photographs enclosed as Annexure XI.
xxviii	Mine discharge water shall be treated to meet standards prescribed standards before discharge into natural water courses/agriculture. The quality of the water discharged shall be monitored at the outlet points and proper records maintained thereof and uploaded regularly on the company website.	Complied. ▪ Mine water is being allowed to settle down in the mine sumps before filtration through various types of filters viz. Pressure Filter, Slow Sand Filter & Rapid Sand Filter. ▪ The monitoring of water quality parameters is regularly carried out by CMPDIL. Mine water quality data has been enclosed as Annexure XIII.
xxix	ETP shall also be provided for workshop, and CHP, if any. Effluents shall be treated to confirm to prescribe standards in case discharge into the natural water course.	Complied ▪ Effluent Treatment Plant for HEMM Workshop is constructed. Photographs Enclosed as Annexure XIV.

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xxx	Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads, and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures shall be taken to avoid loss of life and material. Cracks shall be effectively plugged with ballast and clayey soil/suitable material.	Complied. Regular subsidence monitoring is being done at operational underground mines. Currently, UG Mines under Cluster VIII is not operational. No subsidence is reported and subsidence monitoring data is enclosed as Annexure-XV.
xxxi	Sufficient coal pillars shall be left un extracted around the air shaft (within the subsidence influence area) to protect from any damage from subsidence, if any.	Complied. Sufficient coal pillars have been left around air shafts as per Coal Mines Regulations 2017 and DGMS Orders.
xxxii	High root density tree species shall be selected and planted over areas likely to be affected by subsidence.	Complied. Plantation is regularly done in leasehold area of Cluster VIII. High root density plants are regularly planted as per the roadmap prepared by Forest Research Institute, Dehradun. All work order issued for plantation through State Forest Department also incorporates plantation of High Root Density Plants.
xxxiii	Depression due to subsidence resulting in water accumulating within the low lying areas shall be filled up or drained out by cutting drains.	Complied. Depressions if created due to mining operations/fire are filled by the locally available material and over burden.
xxxiv	Solid barriers shall be left below the roads falling within the blocks to avoid any damage to the roads.	Complied. Sufficient barriers are left for saving the surface installation and infra structures as per Coal Mines regulation 2017 and DGMS Standing Orders.
xxxv	No depillaring operation shall be carried out below the township/colony.	It shall be complied. Prior permission is always obtained from DGMS for depillaring (if required).

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xxxvi	The Transportation Plan for conveyor-cum-rail for Cluster-VIII should be dovetailed with Jharia Action Plan. Road transportation of coal during Phase-I should be by mechanically covered trucks, which should be introduced at the earliest. The Plan for conveyor-cum-rail for Cluster-VII should be dovetailed with Jharia Action Plan. The road transpiration of coal during phase-I should be by mechanically covered trucks.	It shall be complied. ▪ Action has been taken for the transportation plan for conveyor cum rail system of dispatch. CMPDIL, RI-II has been requested to conduct study and prepare the plan in this regard. ▪ Considering the current mining conditions and mines where fire have been reduced, deployment of mechanically covered trucks is under consideration at corporate level and after finalization of OEM, it shall be implemented at mines. ▪ At present, Transportation is being done by covering vehicle with tarpaulin cover and it is made mandatory in Transportation Contracts. Annexure XVI.
xxxvii	A study should be initiated to analyze extent of reduction in pollution load every year by reducing road transport.	Complied. ▪ The study has been completed by the CMPDIL to analyze the extent of reduction in pollution load every year by reducing road transport. Enclosed as Annexure IV.
xxxviii	R&R of 4959 nos of PAF's involved. They should be rehabilitated at cost of shifting to safe areas at the cost of Rs 29948 Lakhs as per the approved Jharia Action Plan.	Compliance is under progress. ▪ Implementation of master plan has already been started through Jharia Rehabilitation and Development Authority (JRDA), Dhanbad PAFs (Non-BCCL) have been rehabilitated at well-established Jharia Vihar Township located at Belgoria and other places. Till date 1269 Nos of PAFs have been rehabilitated. PAFs will be further shifted as required during the progress of patch. Enclosed as Annexure XVII.

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xxxix	A detailed CSR Action Plan shall be prepared for Cluster VIII group of mines. Specific activities shall be identified for CSR the budget of Rs. 215.5 Lakhs per year@ Rs. 5/T of coal as recurring expenditure. The 265.25 ha of area within Cluster VIII ML existing as waste land and not being acquired shall be put to productive use under CSR and developed with fruit bearing and other useful species for the local communities. In addition to afforesting 250.57 ha of area at the post-mining stage, the waste land/barren land within Cluster VIII ML shall be rehabilitated/reclaimed as forest/agricultural land under CSR Plan in consultation with local communities. Third party evaluation shall be got carried out regularly for the proper implementation of activities undertaken in the project area under CSR. Issue raised in the Public Hearing shall also be integrated with activities being taken up under CSR. The details of CSR undertaken along with budgetary provisions for the village-wise various activities and expenditure thereon shall be uploaded on the company website every year. The company must give priority to capacity building both within the company and to the local youth, who are motivated to carry out the work in future.	Complied. - BCCL is implementing CSR activities at various scale. A separate CSR committee has been formed at area level, which is looking after the works being executed under CSR. Bastacolla area has constructed 238 Nos. of toilets under CSR activity in different schools in Simdega district of Jharkhand under flagship program (Swachh Bharat Abhiyan) initiated by Hon'ble Prime Minister of India. - Under CSR Initiatives, preventive health care of public living in command area has been undertaken extensively through Company as well as State Govt. Self-Protection Kit including Mask, Hand wash, Soap, Detergent etc were provided to needy villagers around the coal mines.    
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 and its Regional office at Bhubaneswar.	Complied. Land Use Map of Cluster VIII has been prepared by CMPDIL using remote sensing data for monitoring of land use pattern. Enclosed as Annexure XVIII.
xLi	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests five year before mine closure for approval. Habitat Restoration Plan of the mine area shall be carried out using a mix of native species found in the original ecosystem, which were conserved in-situ and ex-situ in an identified area within the lease for reintroduction in the mine during mine	It is being complied. - CMPDI has prepared "Mine Closure Plan" for all the mines of Cluster VIII. - Plantation has been regularly done on mined out areas, OB dumps in scientific manner as per availability of de-coaled area. At present, Plantation is established over 55.00 Ha. Land. - Plantation shall be continuously carried out in line with availability of Land as per geo-mining

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	reclamation and at the post mining stage for habitat restoration.	conditions. One number of Eco-Parks has been developed under Bera Colliery and one number eco-park is under development at Kuya Colliery to promote mine tourism and conservation of native species of original ecosystem. Photographs enclosed as Annexure XIX.
xLii	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 for implementing environment policy and socio-economic issues and the capacity building required in this regard.	Complied. - A full-fledged Environment Department, headed by a HoD (Environment) along with a suitable qualified multi-disciplinary team of executives have been established at Company Headquarters for implementation of Environment Policy of the company. - One Executive in each area has also been nominated as Nodal Officer (Environment) for looking after routine environment related jobs along with an Environment Management Cell at Area Level. - For implementing and look after Socio-Economic Issues, an executive of Community Development Cadre is also posted at area level.
xLiii	Implementation of final mine closure plan for Cluster VIII, subject to obtaining prior approval of the DGMS in regard to mine safety issues.	Complied. Prior approval from DGMS shall be obtained before final mine closure with due regard to mine safety issues.

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xLiv	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.	Complied. A well-defined Corporate Environment Policy has already been laid down and approved by the Board of Directors. This is also uploaded on company's website. Enclosed as Annexure XX. Complied. Complied. Complied.
B. General Conditions:		
i	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	Complied. ▪ Prior approval shall be sought from MoEFCC in case of any such requirement arises due to change in geo-mining conditions.
ii	No change in the calendar plan of production for quantum of mineral coal shall be made.	Complied. ▪ Production is being done as per the approved calendar program/ MoU target.
iii	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM ₁₀ , PM _{2.5} , SO ₂ 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.	Complied. ▪ The optimum location of monitoring stations in Jharia Coal Field has been finalized with the approval of Jharkhand State Pollution Control Board. Enclosed as Annexure VI.

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iv	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ 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 Regional Office at Bhubaneswar 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 recognized under the EPA rules, 1986 shall be furnished as part of compliance report.	Complied. - Data is regularly submitted to ministry along with six monthly compliance report. - Air quality Monitoring report and heavy metal analysis report has been enclosed as Annexure XXI.
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.	Complied. Personnel operating HEMMs, drilling machine and other machines comply with safety regulation and are equipped with Personal Protective Equipment. Noise monitoring data has been enclosed as Annexure XXI.
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.	Complied. Effluents discharge standards are regularly monitored by CMPDIL for cluster VIII group of mines. Mine water is being treated using filter plants (Pressure, Sand filters etc.) for its further use in industrial purpose and supply to the community.
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.	Complied. - Vehicles used for transportation of coal are always covered by tarpaulin and being monitored for the vehicular emission by the transporter and BCCL. - As per directives of Motor Vehicle Act, All transportation vehicles are registered on https://parivahan.gov.in and https://portal.jharkhandminerals.gov.in
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 analyzed through a laboratory recognized under EPA Rules, 1986.	Complied. Ambient environmental monitoring is being done by CMPDIL. Monitoring data have been enclosed as Annexure XIII & XXI.

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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.	Complied. ▪ A separate full-fledged Human Resource Development Department is conducting regular training program on these issues. ▪ Apart from this Vocational Training Centers are existing in all the Areas of BCCL, which provides periodical training on the safety and occupational health issue to the workers working in the mines. Enclosed as Annexure XXII.
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.	Complied. ▪ Periodical medical Examination (PME) of all the mining and other personnel is being carried out regularly at Area Hospital, Tisra as per the Coal Mines Regulation 2017 and Director General of Mines Safety (DGMS) guidelines. Enclosed as Annexure XXIII.
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.	Complied. ▪ A full-fledged Environment Department, headed by a HoD (Environment) along with a suitable qualified multi-disciplinary team of executives have been established at Company Headquarters for implementation of Environment Policy of the company. HOD (Environment) reports directly to the Head of the Company. ▪ One Executive in each area has also been nominated as Nodal Officer (Environment) for looking after routine environment related jobs along with an Environment Management Cell at Area Level.
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 Regional Office at Bhubaneswar.	Complied. ▪ Funds for environmental protection measures area kept in separate head which is only used in environmental management activities.

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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 at http://envfor.nic.in .	It has been complied. ▪ Advertisement in local newspaper has also been done. Enclosed as Annexure XXIV
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.	It has been complied. Enclosed as Annexure XXV
xv	A copy of the environmental clearance letter 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.	It has been complied.
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 ₁₀ , PM _{2.5} , SO ₂ 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.	It has been complied. ▪ Environmental clearance and six monthly compliance of the EC conditions of the cluster have been uploaded on the company's website (www.bcclweb.in).

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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 Offices of CPCB and the SPCB.	It is being complied. ▪ Six monthly compliance report is regularly sent to (twice in a year) the Regional Office of MoEFCC, Ranchi along with required data and information and also uploaded on Parivesh Portal.
xviii	The Regional Office of this Ministry located at Bhubaneswar 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.	Agreed.
xix	The Environment statement for each financial year ending 31 March in Form-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 by E-mail.	It is being complied. ▪ It is being submitted for all the mines of cluster VIII to Head Office of Jharkhand State Pollution Control Board for every Financial Year ending on 31st March.
C. Other Conditions by MOEF		
i	The Ministry or any other Competent Authority may stipulate any further condition(s) for environmental protection.	Agree
ii	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.	Agree

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iii	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. 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.	Agree
iv	The Environmental Clearance is subject to the outcome of the Writ Petition filed by M/S Bharat Coking Coal Limited (BCCL) in response to the closure orders issued by the Jharkhand State Pollution Control Board which is pending in the Jharkhand High Court.	Agree.
D. Other Conditions by MOEF (Ref. EC Amendment dated 15.11.2020)		
i.	Adequate number of Fog Canon/Mist Sprinkler shall be installed in six months for dust suppressions at Bastacolla Colliery.	Complied 100 m throw capacity trolley mounted fog canon has been installed for dust suppressions at Bastacolla OCP. (Photographs enclosed as Annexure XXVI) - A Truck Mounted Fog Canon has been procured and under operation at Bastacolla Colliery. (Photographs enclosed as Annexure XXVI) - Two Nos of 100 m throw capacity fog canon have been procured and under operation at Kuya Colliery. (Photographs enclosed as Annexure XXVI) - Purchase order has been issued for procurement of 02 additional Truck mounted fog canon system.
ii.	Fixed Long range sprinkling system along the railway siding shall be implemented.	Compliance is under progress. The Coal from Bastacolla Colliery is being dispatched through BNR Railway Siding. Fixed long range sprinkling system has been installed at BNR Railway siding. The photographs of fixed water sprinkler are enclosed as Annexure XXVII .

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iii.	As proposed, three Thousand (3000) Avenue Plantation and Twelve Thousand Block Plantation through State Forest Department will be done along transport route, residential colonies road, railway siding etc. in year 2020-21 (Total 15000).	Compliance is under progress. - Plantation is being done through available manpower and resources. 3000 Gabion plantation and 12000 block plantation work is already executed. - Plantation work of 5000 saplings and 800 Gabion plantation has been executed by forest department, Dhanbad in monsoon season of 2025. Photographs attached as Annexure-II.
iv.	Development of Greenbelt around quarry. Grassing of OB Dump slopes shall be done using grasses for stabilizing inactive OB Dump. Plantation will be done on external dump and reclaimed area.	Compliance is under Progress. - Green Belt shall be developed as per present Geo-Mining Conditions. - Grassing on finalized Slopes of OB Dumps is being carried out in Monsoon. In the monsoon season of 2025, grassing is done over 5 Ha area. Photographs enclosed as Annexure-XXVIII.
v.	Controlled Blasting shall be carried out using Electronic Detonator with appropriate design of the geometry of blast holes in daytime period to minimize ground vibration and dust generation.	It is being complied.
vi.	One Continuous Online PM ₁₀ Analyzer shall be installed for monitoring the quality of air in Bastacolla Colliery and its data should be displayed for public domain through display panel at appropriate location.	Complied Three Continuous Online PM ₁₀ Analyzer machines have been installed at Bastacolla Colliery, ABDGKC and Kujama colliery. All machines are working and connected with JSPCB server. https://jsac.jharkhand.gov.in/pm10/ .
vii.	Coal transportation will be done through covered trucks with tarpaulin sheets.	It is being complied. Presently coal transportation has been done by trucks with tarpaulin cover. Covering of truck has been made mandatory in the transportation contract.
viii.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable.	It is being complied. Company is organizing training on regular basis through Vocational Training Centre and Human Resource Department
ix.	Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	It is being complied. Periodical medical Examination (PME) of all the mining and other personnel is being carried out regularly at Area Hospital, Tisra as per the Coal Mines Regulation 2017 and Director General of Mines Safety (DGMS) guidelines. Enclosed as Annexure XXIII .
x.	A third party assessment of EC compliance shall be undertaken once in three years through	Work has been completed by CIMFR. Copy of final report is enclosed XXIX .

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	reputed Government Institutes or any other expert agency identified by the Ministry.	
xi.	Active OB Dump should not be kept barren/open and should be covered by temporary grass to avoid air born of particles.	Being Complied. Grassing on OB dumps is a continuous process. The finalized part of OB Dump (Slopes/ Benches etc.) are continuously vegetated by grassing. In the monsoon season of 2025, grassing is done over 5 Ha area. Photographs enclosed as Annexure-XXVIII
xii.	In-active OB dump shall not be kept barren/open. They should be immediately reclaimed and re-graded to improve the land form and covered by temporary grass etc. for better land use post mine closure.	Being progress. Grassing on OB dumps is a continuous process. The finalized part of OB Dump (Slopes/ Benches etc.) are continuously vegetated by grassing. In the monsoon season of 2025, grassing is done over 5 Ha area.
xiii.	Project proponent shall obtain blasting permission from DGMS for conducting mining operation near villages and also explore deployment of rock breakers of suitable capacity in the project to avoid blasting near to villages. There shall be no damages caused to habitation/structures due to blasting activity.	It is being Complied. Necessary permissions have been obtained from DGMS.
xiv.	The Project Proponent shall comply with all the statutory requirements and judgement of Hon'ble Supreme Court dated the 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. State Government shall ensure that the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department in strict compliance of judgement of Hon'ble Supreme Court dated the 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.	It is being Complied.
xv.	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 month and necessary remedial/preventive measures taken accordingly. The Recommendations of NIOH for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake	Agree. Periodical medical Examination (PME) of all the mining and other personnel is being carried out regularly at Area Hospital, Tisra as per the Coal Mines Regulation 2017 and Director General of Mines Safety (DGMS) guidelines. Enclosed as Annexure XXIII.

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	venom including all other paramedical safeguards may be ensured before initiating the mining activities.	
xvi.	Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-11013/57/2014.IA.II (M), dated 29 th 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.	Agree
xvii.	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 level 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 keeping the noise levels well within the prescribed limits for day light/night hours.	Agree
xviii.	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8 th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent."	Agree
E. Other Conditions by MOEF (Ref. EC Amendment dated 28.03.2023)		
i.	PP to obtain the latest CTO from SPCB after grant of EC amendment, reflecting the capacities of each mine within overall mine lease area (1183.92 ha)	It is being complied A letter was sent to Member secretary, JSPCB vide letter number BCCL/BA/GM/Env/2022-23/862 dated 06.03.2023 and BCCL/BA/IX/GM/Env/2022-23/892 dated 30.03.2023 regarding change in configuration of mine capacity with no change in peak capacity of cluster VIII. Copy of letter enclosed as Annexure XXX .

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ii.	PP shall to install 5 numbers of fog canon with adequate throw length for suppression of fugitive dust in opencast mine within 6 months	Being complied 5 number of fog cannon system has been deployed in the cluster. Purchase order has been issued for supplying 02 numbers of additional truck mounted fog canon system.
iii.	PP shall deploy 5 numbers of mechanical sweeper for road cleaning in and around the 5 km of the project area.	Compliance is under process Five number of mechanical sweeper have been deployed in and around 5 KM of the project area . Enclosed as Annexure XXXI .
iv.	PP shall obtain certified compliance report of previous EC and EC amendment letter from ministries IRO-Ranchi within six months from the date of issue of this letter.	Compliance is under process Certified Compliance Report of cluster VIII has been obtained from IRO-Ranchi.
v.	PP shall conduct grassing on 15.00 ha OB Dump and plantation on 25 Ha within 1 year and status shall be submitted with geotagged proof to ministry's IRO with six monthly compliance report.	Compliance is under process Plantation and grassing has been taken up in this monsoon season (July 2025). Photographs are enclosed as Annexure XXVIII .

F. Other Specific Conditions by MOEF (Ref. EC Expansion dated 02.05.2024)

i.	PP shall implement the protective measure proposed in EMP in a time-bound manner. The budget earmarked for the same is Rs 1991.80 Lakhs (Capital) and Rs 507.46 Lakhs (revenue) and should be kept in separate accounts and audited annually. The implantation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.	It is being Complied. Protective measures are being Implemented and the relevant expenditure along with details will be submitted in the subsequent compliance reports. Details of expenditure is enclosed as Annexure-XXXII .
ii.	PP to obtain the CTO for the Expansion of Cluster VIII Coal Mining Project for a capacity of 6.72 MTPA after the grant of EC	It is being Complied. The existing CTO of this cluster is valid till 13.12.2027 The revised CTE (exp.) has been obtained from the JSPCB.
iii.	The budget proposed to address the issues raised during PH is Rs 1138.91 Lakhs and PP shall implement the same in a time-bound manner. The implantation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.	It shall be Complied. Details of Expenditure is enclosed as Annexure-XXXII .
iv.	The green belt and plantation plan submitted in the EIA/EMP shall be implemented in a time-bound manner. A survival rate of at least 80% shall be maintained by carrying out gap plantation in case of mortality. The budget earmarked for the plantation shall be kept in a	It is being Complied. Plantation work has been awarded to forest department, Dhanbad in this FY 2024-25 for plantation inside project lease. In FY 2025-26, state forest department Dhanbad has been awarded work

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	separate account. Further, as committed during the meeting the PP shall carry out the additional plantation over an area of 75 Ha within a period of 5 years (2024-25 to 2028-29) and the budget proposed for the same is Rs 350 Lakhs @ Rs 70 Lakh/annum. PP should annually submit the audited statement of expenditure along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC and on PARIVESH Portal as the case may be for the activities carried out during previous year.	to carry out 42900 sapling plantation along river bank of 14.3 km outside lease at amount of ₹ 3.62 crores including maintenance up to FY 2031-32. Plantation photographs are attached as Annexure-II.
v.	The green belt and plantation plan submitted in the EIA/EMP shall be implemented in a time-bound manner. A survival rate of at least 80% shall be maintained by carrying out gap plantation in case of mortality. The budget earmarked for the plantation shall be kept in a separate account. PP should annually submit the audited statement of expenditure along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC and on PARIVESH Portal as the case may be for the activities carried out during previous year.	It is being Complied. Plantation work has been awarded to forest department, Dhanbad in FY 2024-25. Plantation photographs are attached as Annexure-II.
vi.	PP has proposed to install the fixed water sprinklers near Nawadih High School & Raghunathpur Middle School and the amount proposed is Rs 20 Lakh. Further, PP shall also ensure that regular maintenance of the same and budget for the same may be used from revenue expenditure. PP shall install the same during 2024-25 and submit the photographs (before and after) to the concerned RO, MoEF&CC.	Compliance is under process. The Purchase order has been issued for procurement of 02 numbers fixed water sprinkler system. It will be installed and commissioned as soon as the product is supplied by the vendor.
vii.	As per the undertaking submitted, PP shall engage an institute of repute like Birsa Agricultural University, Ranchi, Centre of Excellence IIT(ISM), Dhanbad, Institute of Forest Productivity- Ranchi etc. to review the list of flora and fauna provided by M/S SARDA within next one month and submit to RO	Compliance is under process. The final report is attached as Annexure XXXIV.

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	Ranchi.	
viii.	PP shall get the feasibility study done (within one year) for the installation of a conveyor system for the transportation of coal from the mine to railway siding to reduce road transportation. PP shall also prepare and implement an action plan for deployment of CNG/LNG/EV-based tippers for the same. Based on the action plan PP shall replace the existing diesel-operated tippers in a phased manner.	Agree. The feasibility study for the installation of a conveyor system for the transportation of coal from the mine to railway siding is being explored.
ix.	Besides carrying out regular periodic health check-ups of their workers, 10% of the workers identified from the workforce engaged in active mining operations shall be subjected to health check-ups for occupational diseases and hearing impairment, if any. Further, the PP shall engage an agency such as NIOH, Ahmedabad to review the status of the implementation of the occupational health plan and suggest corrective measures.	Agree. Periodical medical Examination (PME) of all the mining and other personnel is being carried out regularly at Area Hospital, Tisra as per the Coal Mines Regulation 2017 and Director General of Mines Safety (DGMS) guidelines.
x	PP shall submit an action plan for using and developing Renewable Energy for its consumption in its utilities/machinery/equipment instead of using electricity from Grid/generated from Thermal Power Plants.	Compliance is under process. Action plan for entire BCCL has been prepared and being executed in phased manner. At present solar panels of capacity 0.055 MW has been installed.
xi.	PP shall obtain a 5-star rating in terms of Environment Compliance from the Ministry of Coal as per the rating system implemented by the Ministry of Coal.	Compliance is under process.
xii.	PP shall ensure submission of the compliance report to the Regional Office in a timely manner and in case of any non-compliance identified so far/in future in the CCR then the same shall be complied with on priority and action taken report in this regard shall be submitted to concerned RO and get it closed.	Complied. Six monthly environmental compliance is submitted to regional office.

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xiii.	The plantations done by the PP need to be adequately densified and audited by a third party preferably a forestry institution of MoEFCC (eg ICFRE) to assess their efficacy. Densification of existing plantations shall also be done during the monsoon of 2024.	Compliance in progress. IFP, Ranchi has been approached for densification study, field visit by IFP team has been done and work has been done and report will be available at the end of June month 2026.
xiv.	PP shall ensure that all types of plastic waste generated from the mines shall be stored separately in isolated areas and disposed of strictly adhering to the Plastic Waste Management Rules 2016. In pursuant to the Ministry's OM dated 18/07/2022, PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance with the Ministry's Notification published by the Ministry on 12/08/2021. A report along with the photographs of the measures taken shall also be included in the six monthly compliance reports being submitted by PP.	Complied. Attached as Annexure- XXXIII.
xv.	NOC from Central Ground Water Authority (CGWA)/ concerned local authority, as the case may be, shall be obtained before drawing the groundwater for the project activities, state pollution control board/pollution control committees shall not issue the consent to operate (CTO) under Air (prevention and control of Pollution) Act and Water (Air (prevention and control of Pollution) Act till the project proponent shall obtain such permission.	Being Complied. The NOC from CGWA (Central Ground Water Authority) has been obtained and is valid till 06/07/2027
xvi.	The outlay of EMP should be increase and submitted to the RO	Being Complied EMP outlay will be increased as per the requirement and it will be submitted to RO.
xvii.	Air pollution measures should also be increased in the surrounding areas including nearby schools.	Being complied Air pollution control measures will be increased as per requirement.
xviii.	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.	Complied. Prior Forest clearance will be taken before diversion of forest land for non-forest purpose involved in the project.
xix.	The project proponent shall obtain clearance from the National Board for Wildlife, if appl.	Complied. Permission shall be obtained, if required.

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xx.	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 (in case of the presence of schedule-I species in the study area).	Complied. No schedule-I species is present in this project.
xxi.	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 prior to start/ commencement of mining operations/production.	Complied. .
xxii.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Being Complied. The NOC from CGWA (Central Ground Water Authority) has been obtained and is valid till 06/07/2027
xxiii.	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.	Being Complied. Authorization under Hazardous & Other Waste Management is obtained from Jharkhand State Pollution control Board and waste is disposed as per the rule.
xxiv.	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.	Complied. Requisite permission has been obtained from the concerned authority.
xxv.	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.	Complied. The maximum production from the cluster is well within the limits.
xxvi.	Validity of Environment Clearance is as per life of the mine mentioned in EC letter or 30 years as per EIA Notification, 2006 and its amendments therein.	Agreed.
xxvii.	All the conditions stipulated in previous Environment Clearance conditions should be strictly complied within certain timeline	Agreed.

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xxviii.	Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2 and NOx. 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. The new CAAQMS should be installed with expansion.	Complied. The optimum location of monitoring stations in Jharia Coal Field has been finalized with the approval of Jharkhand State Pollution Control Board. Enclosed as Annexure VI.
xxix	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	Complied. ▪ Data is regularly submitted to ministry along with six monthly compliance report. ▪ Air quality Monitoring report and heavy metal analysis report has been enclosed as Annexure XXI.
xxx.	Transportation of coal, to the extent, if permitted by road, shall be carried out by covered Trucks /conveyors. Effective control measures such as regular water/mist sprinkling/rain gun/ Fog cannon etc shall be carried out in critical areas prone to air pollution (with higher values of PM10/ PM2.5) such as haul road, loading /unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	Complied.
xxxi.	The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	Complied.

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xxxii.	PP to install solar lights along the road used for transportation of coal to avoid the accidents at night and also seek its maintenance.	Being complied. Solar light and solar panels are being installed in phased manner. At present solar panels of capacity 0.055 MW are installed.
xxxiii.	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	Complied. Vehicles used for transportation of coal are always covered by tarpaulin and being monitored for the vehicular emission by the transporter and BCCL. As per directives of Motor Vehicle Act, All transportation vehicles are registered on https://parivahan.gov.in and https://portal.jharkhandminerals.gov.in
xxxiv.	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	Complied. Coal Crushers are properly equipped with water sprinkling system at railway siding.
xxxv.	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.	Being Complied. There is no CHP under Cluster VIII Coal Mining Project.
xxxvi.	Adequate measures on EMP should be analyzed on annual basis to assess the trend of air pollution data from continuous monitoring station and quarterly report shall be generated and submitted with 6 monthly compliance reports to RO, MoEF&CC.	Being complied. Monitoring data on air quality has been attached as Annexure-XXI .
xxxvii	Effective safeguard measures for prevention of dust generation and subsequent suppression like regular water sprinkling shall be carried out in areas prone to air pollution. The Fugitive dust emission from all sources shall be regularly controlled by installation of required equipment's. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB.	Complied - Water sprinkling through water tankers is being done on haul roads on regular basis. - One Truck mounted fog cannon is under operation for dust suppression. - Trolley mounted fog cannon is under operation for dust suppression. - Water sprinklers are used to tackle air pollution at sidings.
xxxviii.	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.	Complied. 100 m throw capacity trolley mounted fog canon has been installed for dust suppressions at Bastacolla OCP. (Photographs enclosed as Annexure XXVI)

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		02 Truck Mounted Fog Canon has been procured and under operation at Bastacolla Colliery & Kujama colliery (Photographs enclosed as Annexure XXVI) Two Nos of 100 m throw capacity fog canon have been procured and under operation at Kuya Colliery. (Photographs enclosed as Annexure XXVI) Purchase order has been issued for procurement of 02 additional Truck mounted fog canon system.
xxxix.	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.	Being Complied. Plantation has been done along one side of siding and Concrete wall has also been constructed to reduce propagation of dust.
xL.	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report	Shall be Complied. It will be Complied once the mine reaches closure stage.
xLi.	Comparison of average monthly temperature of pre and post mine operation after obtaining EC shall be elaborated for post three years and a record to be maintain at regular interval.	Being Complied. Average monthly temperature of pre mine operation is being recorded.
xLii.	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 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.	Being Complied.
xLiii.	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-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Complied. The monitoring data is being displayed at the project site.

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xLiv.	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 OEFCC/RO.	Being Complied.
xLv	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks 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.	Being Complied.
xLvii	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water body.	Being Complied. Catch and/or garland drains and siltation ponds in sufficient numbers have been created around OB dumps, Coal heaps and mine workings, etc.
xLviii	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).	Complied. Groundwater recharge measures have been augmented with rainwater harvesting structures.

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xLviii	Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP /STP needs to be provided.	Being Complied. There is no CHP under cluster VIII.
xLix	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.	Complied.
L	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.	Being Complied.
Li	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.	Being Complied.
Lii	Quality of polluted water generated from the operations which include COD and acid mine drainage and metal contamination shall be monitored along with TDS, DO, TSS. The monitored data shall be uploaded on the website of the company as well as displayed at the site in public domain.	Being Complied. There is no acid mine drainage.

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Liii	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction and mining operation by installing adequate number of RO plants with proper supply line and Taps within 2 years.	Complied. Residents/villages are provided with water supply.
Liv	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.	It shall be Complied.
Lv	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 equipment's (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.	Complied. Workers are provided with personal protective equipment's (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard.
Lvi.	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	Complied. Controlled blasting techniques are practiced in order to mitigate ground vibrations, fly rocks, etc.
Lvii.	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.	Complied. Noise levels are regularly monitored and reports are submitted on six-monthly basis.
Lviii.	5- Star Rating certification is mandatory to obtain as per guidelines of Ministry of Coal.	It shall be complied. 5-Star Rating certificate shall be obtained from ministry of coal.
Lix.	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Complied.
Lx.	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	Complied.
Lxi	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	Complied.

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Lxii.	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	Being Complied. Towards use of renewable energy, solar light and solar panels are being installed in phased manner. At present solar panels of capacity 0.055 MW are installed.
Lxiii.	PP shall adopt mining method by preferably using surface miners for the project and silo loading through in-pit conveyor should be adopted.	It Shall be Complied. Mining method shall be adopted as per geo-mining conditions/feasibility.
Lxiv	Transportation of coal till Railway Siding shall be developed to avoid transportation through Road.	Being Complied. Feasibility to explore transportation through conveyor system has been taken up.
Lxv.	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	Complied.
Lxvi.	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	Being Complied.
Lxvii.	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the "during mining"/"post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.	Being Complied.
Lxviii.	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as	Being Complied. There is no generation of fly ash in coal mining. However, fly ash use will be explored as per existing geo-mining conditions.

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	amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	
Lxix.	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.	Being complied. Top soil is separately stacked and used wherever it is required in ecological restoration work.
Lxx.	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.	Being complied. There's no grazing land in core zone.
Lxxi.	Top soil should be stored separately at marked area and necessary vegetation shall be maintained to avoid any entrainment of dust.	Complied. Top soil is separately stacked and grassing being done to avoid any entrainment of dust.
Lxxii.	Progressive backfilling of mine and progressive reclamation of OB dump shall be done.	Being Complied. Progressive backfilling of mine and progressive reclamation of OB dump is being done as per mine closure plan.
Lxxiii.	Active OB Dump should not be kept barren/open and should be covered by temporary grass to avoid air born of particles.	Being complied. Active OB dumps are regularly dispersed with grass seeds.
Lxxiv.	PP shall explore the possibilities of utilization of OB material for different purposes (in construction of roads/ manufacture of artificial sand, aggregates/ use for farmers etc.).	It shall be complied. Different use of overburden is being explored.

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Lxxv.	All approach roads to mine and all other roads which are in regular use should be black topped. The maintenance of road shall be done by PP in collaboration with state government.	Being complied. All approach roads to mine and all other roads which are in regular use are regularly black topped and maintained.
Lxxvi.	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.	Agreed.
Lxxvii.	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	Complied.
Lxxviii.	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads. And Plantation should also be carried out in nearby area with consent of forest department and gram panchayat within 10 km radius with its proper maintenance.	Being complied. Plantation work is regularly done in consultation with gram panchayats and forest department, Dhanbad.
Lxxix.	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 & it's RO on six monthly basis.	Complied. Adequate illumination is ensured as per DGMS standards.

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Lxxx	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.	Being Complied. IME and PME is done regularly on manpower engaged in mines.
Lxxxi	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.	Complied. Personnel (including outsourced employees) working in core zone are provided with sufficient protective equipment's and trainings on safety and health.
Lxxxii.	Implementation of the time bound 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 time bound 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.	Being complied. Issues raised in public hearing are taken up and R&R policy is being executed as per existing company policy.
Lxxxiii.	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th 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'.	Agreed.
Lxxxiv.	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.	Being Complied. Survey has been done and accordingly CSR activities are being taken up.
Lxxxv.	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).	It shall be complied. Institutes that can conduct epidemiology study are being explored and soon work order will be issued.

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Lxxxvi.	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.	Complied. Regional hospital and dispensary are well functional within 5 Km of project for local people.
Lxxxvii.	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required).	Being Complied.
Lxxxviii.	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year.	Being complied. Solar lights are being installed in nearby areas in phased wise manner.
Lxxxix.	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius.	Being complied. Renewable energy sources are being installed in phased wise manner.
XC.	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 keeping the noise levels well within the prescribed limits for day light/night hours.	Being complied. Noise levels are regularly monitored to check for mitigations measures, if noise levels exceed prescribed standards.
XCi.	Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.	Being complied. R&R villages are provided with drinking water, plantation and other social amenities as per company R&R policy.
XCii.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.	Being complied. Persons of nearby villages are given training on livelihood and skill development to make them employable.
XCiii.	Compensation of the land acquired for the project shall be settled as per the R&R Policy within fixed timeline.	Being complied. Compensation of the land acquired for the project is being settled as per the R&R Policy within fixed timeline.
XCiv.	The company shall have a well laid down environmental policy duly approve 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	Complied.

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	defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.	
XCv.	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.	Complied. ▪ A full-fledged Environment Department, headed by a HoD (Environment) along with a suitable qualified multi-disciplinary team of executives have been established at Company Headquarters for implementation of Environment Policy of the company. HOD (Environment) reports directly to the Head of the Company. ▪ One Executive in each area has also been nominated as Nodal Officer (Environment) for looking after routine environment related jobs along with an Environment Management Cell at Area Level.
XCvi.	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.	Complied. Funds for environmental protection measures area kept in separate head which is only used in environmental management activities.
XCvii.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied. Work for third party environmental audit is already awarded to CIMFR. Final audit report is attached as Annexure XXIX.
XCviii.	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non-compliance or infringement should be reported to the concerned authority.	It shall be complied. A dedicated team comprising of Environment Engineers, Laboratory Scientific Assistants and sampling Assistants undertakes regular monitoring of Cluster –VIII mines and nearby buffer areas. The sampling guidelines as per IS Codes IS: 5182 & IS: 3025 are being followed and various in-situ parameters such as pH, Temperature, EC, DO fixation, etc. are analyzed at site by qualified team. Moreover, samples are transported by following proper preservation techniques that maintains the properties of the samples collected during transportation until the laboratory at Koyla Bhawan,

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		Dhanbad.
XCix.	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.	Complied.
C.	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.	Complied.
Ci.	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.	Complied. Environment clearance conditions, including results of monitored data is being uploaded on company website.
Cii.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (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.	Complied.
Ciii.	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.	Complied.
Civ.	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.I1 (M) dated 29th 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'.	Being complied.
CV.	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	Complied.

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15.02.2013/15.06.2018/15.11.2020/28.03.2023/02.05.2024/09.03.2026

Period: October 2025 to March 2026

	amended subsequently and put on the website of the company.	
CVI.	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Complied.
CVII.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied.
CVIII.	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.	Being complied.
CIX	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	Complied. No further expansion or modifications in the plant will be done without prior approval of the Ministry of Environment, Forests and Climate Change.
CX	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.	Agreed.
CXI	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
CXII	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
CXIII	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.	Agreed.
CXIV	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	Agreed.

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	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.	
G. Other General Conditions by MOEF (Ref. EC Expansion dated 02.05.2024)		
i.	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC website where it is displayed.	Complied.
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 must display the same for 30 days from the date of receipt.	Complied.
iii.	The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.	Complied. Environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures is uploaded on company's website.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of	Being complied.

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	implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	
v.	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.	Agreed.
vi.	The Regional Office of this MoEF&CC 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.	Agreed.
vii.	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 / HighCourts and any other Court of Law relating to the subject matter.	Agreed.

F. Amendment in the EC conditions vide letter dated 09.03.2026

i.	Besides carrying out regular periodic health check-ups of their workers, 10% of the workers identified from the workforce engaged in active mining operations shall be subjected to health check-ups for occupational diseases and hearing impairment, if any. Further, the PP may engage any reputed agency to review the status of implementation of the Occupational Health Plan and recommend corrective measures.	Periodical medical Examination (PME) of all the mining and other personnel is being carried out regularly at Area Hospital, Tisra as per the Coal Mines Regulation 2017 and Director General of Mines Safety (DGMS) guidelines. Further, agencies of repute have been contacted for carrying out periodic health check-ups of 10% of the workers engaged in active mining operations and to review the status of implementation of the
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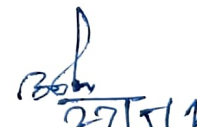
Period: October 2025 to March 2026

		occupational health plan.
ii.	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project through an reputed agency 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.	Periodical medical Examination (PME) of all the mining and other personnel is being carried out regularly at Area Hospital, Tisra as per the Coal Mines Regulation 2017 and Director General of Mines Safety (DGMS) guidelines. Further, agencies of repute have been contacted for carrying out periodic health check-ups of 20% of the workers engaged in active mining operations.


25/5/26
Project Officer
Bastacolla
Colliery


25/5/26
Project Officer
Amalgamated Bera, Dohari, Kaya & Ghanoodih colliery (ABDKGC)




27/5/26
Project Officer
Kujama
Colliery
परियोजना पदाधिकारी
Agent/Project Officer
एकीकृत नार्थ-साउथ टिसरा कुजामा ओसीपी
Amal. NT-ST- Kujama OCP
लोदना क्षेत्र-X
Lodna Area-X