



**ECL**  
**Eastern Coalfields Limited**

# Eastern coalfields Limited

(A subsidiary of Coal India Limited)

Office of the General Manager, J K Ropeways

PO- Kajoram, Dist.- Paschim Bardhaman

Pin-713338

Ref no: ECL/GM/JKR/2024-25/16

Date: 17.05.2024

To,

1. The Additional PCCF  
Eastern Regional Office, MoEF & CC  
A/3, Chandrasekharpur,  
Bhubaneswar- 751023, Odisha
2. The Member Secretary  
West Bengal Pollution Control Board  
Paribesh Bhavan, 10A, Block- L.A., Sector-III, Saltlake  
Kolkata – 700098, West Bengal
3. The Regional Director  
Central Pollution Control Board  
Southern Conclave, Block 502, 5th and 6th Floor  
1582, Rajdanga Main Road, Kolkata- 700107  
West Bengal

**Sub: Half Yearly compliance report (October 2023 – March 2024) of Sand Mining from the riverbeds of Damodar and Ajoy.**

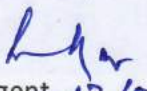
Dear Sir,

Please find enclosed herewith the half yearly compliance report for the period **October 2023 – March 2024** along with the annexures of sand mining in the riverbeds of Damodar and Ajoy River by J K Ropeways, ECL.

This is for your kind information.

Encl: As Above

Yours faithfully

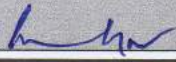
  
Agent 17/5/24  
J K Ropeways

Copy:

1. General Manager (Env & F), ECL HQ
2. Office Copy

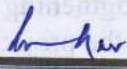
## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

<b>A. Specific Conditions:</b>	
Condition (I)	Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of West Bengal, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project
Compliance	The outcomes and regulations of Hon'ble Supreme Court of India, Hon'ble High Court of West Bengal, Hon'ble NGT and any other Court of Law is strictly followed
Condition (II)	This Environmental Clearance is subject to obtaining requisite NBWL Clearance from the Standing Committee of National Board for Wildlife, if any, as applicable for this Mining project
Compliance	The mining project does not fall under any Wildlife zones.
Condition (III)	The project proponent shall obtain Consent to Operate from the State Pollution Control Board, West Bengal and effectively implement all the conditions stipulated therein
Compliance	Consent to Operate from State Pollution Control Board is already obtained and all the conditions stipulated are followed strictly.
Condition (IV)	Project Proponent has made the replenishment study and total replenished quantity of sand available each year within the leasehold of ECL for mining purpose will be 5.28 million m <sup>3</sup> of sand whereas the extraction is 2.0 million m <sup>3</sup> of sand. Project proponent shall decrease / stop the mining of sand, in case the replenishment is lower than the approved rate of production, till the replenishment is completed
Compliance	The EC capacity of the Project is 1.5 million m <sup>3</sup> per annum. No extra extraction of sand is done. Quarter wise production data is attached in ANNEXURE I.
Condition (V)	Project proponent shall appoint an occupational health specialist for regular and periodical medical checkup once in six months and necessary medical care/preventive measures under taken accordingly. Recommendations of national institute for labour for ensuring good occupational environment for mine workers would also be adopted.
Compliance	An occupational health specialist for regular and periodical medical checkup of workers is already appointed. Regular and periodical medical checkup as per company policy is done. Medical checkup data is provided in ANNEXURE II.
Condition (VI)	Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, river bank erosion and maintenance of road.
Compliance	The Monitoring Committee comprising of the following members formed to look after the related matters <ol style="list-style-type: none"> <li>1. Area Survey Officer</li> <li>2. Area Engineer Civil</li> <li>3. Agent, J K Ropeways</li> </ol>
Condition (VII)	Transportation of the minerals by road passing through the village shall not be allowed. A bypass road should be constructed for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The project proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the project.

  
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Compliance	Transportation of minerals is done through public roads which do not go through any villages. The project proponent bears the cost to widen and strengthen the existing road.
Condition (VIII)	Project Proponent shall ensure that the road may not be damaged due to transportation of the minerals and transport of the mineral will be as per IRC Guidelines with respect to complying with traffic congestion and density.
Compliance	The road is maintained periodically and IRC guidelines are complied with accordingly
Condition (IX)	Implementation of Action Plan on the issues raised during the public hearing. The proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing.
Compliance	Issues raised during the public hearing proceedings is followed accordingly
Condition (X)	The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded.
Compliance	Transportation is done only by covered trucks which have PUC and regular water sprinkling is done to control air pollution.
Condition (XI)	No mining shall be done within a distance of 7.5 meters from the periphery of agricultural fields if any.
Compliance	Mining is not done within 7.5 meters from any agricultural field.
Condition (XII)	Permanent pillars have to be constructed to demarcate width of extraction of ROM leaving 25% of River width from the bank with depth of 1.5 m below the ground and 1.2 m above the ground to observe its stability.
Compliance	Permanent pillars have already been constructed and stability of the same is observed and maintained according to the condition.
Condition (XIII)	The project proponent shall also take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted in the study area.
Compliance	Precautionary measures are taken for conservation and protection of endangered flora/fauna if spotted in the study area.
Condition (XIV)	The illumination and sound at night at project site disturb the villagers in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operation. Habitations have a right for darkness and minimal noise levels at night. Project proponent must ensure that the biological clock of the villages is not disturbed.
Compliance	The sand mining is done during the day time. There is no night time activity. Working hours are between 6 am to 7 pm
Condition (XV)	Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The project proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the project. No road

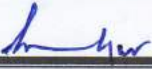
  
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## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

	movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.
Compliance	A dedicated road is proposed to be constructed subject to availability of land for transportation of minerals.
Condition (XVI)	As per Company Act, the CSR cost should be 2% of the average net profit of last three years. Hence CSR expenses should be as per the Company Act for the Socio-Economic Development of the neighborhood habitats which could be planned and executed by the project proponent more systematically based on the 'Need based door to door survey' by established social institutes. The report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional office located at Bhubaneswar on six monthly basis.
Compliance	CSR activities are being done as per the Company Act. CSR activities done are listed in ANNEXURE III.
Condition (XVII)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, Medical health care etc. The housing may be in the form of temporary structure to be removed after the completion of the project.
Compliance	Permanent Structures are already in place with the entire necessary infrastructure for the workers. No temporary housing for laborers is needed.
Condition (XVIII)	A final mine Closure plan along with the details of Corpus Fund shall be submitted to the ministry of Environment, Forest and Climate change 5 years in advance of final mine closure approval.
Compliance	No Mine Closure Plan is required because the mined area will be replenished naturally.

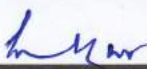
### B. Special Conditions:

Condition (1)	In case of private land not owned by the lease holder an affidavit should be obtained regarding consent of the concerned land owner(s) for carrying out the mining operation
Compliance	No private land is leased.
Condition (2)	Stakeholder awareness and ability to raise concerns and getting it to be addressed
Compliance	Stakeholder awareness and their concerns are addressed properly.
Condition (3)	Implementation of Action Plan on the issues raised during the public Hearing. The proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing.
Compliance	Issues raised during the public hearing proceedings are followed accordingly.
Condition (4)	Having valid lease and all the permits is very much needed
Compliance	Lease and all other statutory permissions are present
Condition (5)	To establish a monitoring committee including Local Panchayat to check on traffic due to transportation and submit an annual report on the same.

  
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## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

Compliance	Local and state administrations are always kept in contact to check traffic and other related matters.
Condition (6)	The directions given by the Hon'ble Supreme Court of India vide order dated 27.02.2012 in Deepak Kumar case [SLP(C) Nos. 19628-19629 of 2009] and order dated 05.08.2013 of Hon'ble National Green Tribunal in application no. 171/2013 may be strictly be followed.
Compliance	Orders given by the Hon'ble supreme Court of India in the mentioned case is strictly followed.
Condition (7)	All the provisions made and restrictions imposed as covered in the Minor Mineral Rule, shall be complied with, particularly regarding Environment Management Practices and its fund management and Payment of compensation to the land owners.
Compliance	The provisions made and restrictions imposed in the Minor Mineral Rule, is complied with, particularly regarding Environment Management Practices.
Condition (8)	District Level Survey Report should be prepared and area suitable for mining and area prohibited for mining be identified.
Compliance	Survey report is already prepared and followed.
Condition (9)	The depth of mining in Riverbed shall not exceed one meter or water level whichever is less, provided that the where the Joint Inspection Committee certifies about excessive deposit or over accumulation of minerals in certain reaches requiring channelization, it can go upto 3 meters on defined reaches of the river.
Compliance	Depth of the sand deposit is one meter so depth of sand mining will not exceed that. The mined-out sand gets replenished in the rainy season.
Condition (10)	No River sand mining be allowed in rainy season
Compliance	Sand mining remains suspended during rainy season
Condition (11)	To submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
Compliance	Annual replenishment is monitored by suitable committee and mining is done accordingly. (ANNEXURE IV)
Condition (12)	Ultimate working depth shall be maximum up to 2m from Riverbed level and not less than one meter from the water level of the river channel whichever is reached earlier. In hilly terrain this depth be preferably restricted to one meter.
Compliance	Ultimate working depth is maximum up to 2m from Riverbed level and not less than one meter from the water level of the river channel whichever is reached earlier.
Condition (13)	In river flood plain mining a buffer of 3 meter to be left from the river bank for mining.
Compliance	A buffer of 3 meter is provided.
Condition (14)	In mining from agricultural field a buffer of 3 meters to be left from the adjacent field.
Compliance	A buffer of 3 meters from the adjacent agricultural field is provided.
Condition (15)	Mining shall be done in layers of 1meter depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers.
Compliance	Mining is done in layers of 1meter depth to avoid ponding effect.

  
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Condition (16)	To maintain safety and stability of riverbanks 3 meter or 10% of the width of the river whichever is more will be left intact as no mining zone.
Compliance	3 meter or 10% of the width of the river is left intact as no mining zone.
Condition (17)	No stream should be diverted for the purpose of sand mining. No natural water course or water resources are obstructed due to mining operations.
Compliance	No stream is diverted for the purpose of sand mining. No natural water course or water resources are obstructed due to mining.
Condition (18)	No blasting shall be resorted to in River mining and without permission at any other place.
Compliance	No blasting is needed for sand mining.
Condition (19)	Depending upon the location, thickness of sand, deposition, agricultural land/riverbed, the method of mining maybe manual, semi mechanized or mechanized; however manual method of mining shall be preferred over any other method.
Compliance	The method of mining is manual, semi-mechanized and mechanized. Manual method is preferred.
Condition (20)	Mining should be done only in area identified in the District level Survey report suitable for mining and so certified by the Sub-Divisional Level Committee after site visit.
Compliance	Mining is done only in area identified in the District level Survey report suitable for mining.
Condition (21)	Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
Compliance	Boundary of lease area is marked properly.
Condition (22)	The top soil in case of surface land mining shall be stored temporarily in an earmarked site and concurrently used for land reclamation.
Compliance	There is no case of top soil removal and subsequent storing and reclamation.
Condition (23)	The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicles, person in-charge of vehicle and mine plan. This should be produced before officers of Central Government and State for inspection.
Compliance	All the details are kept by the office.
Condition (24)	For each mining lease site the access should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for.
Compliance	All the vehicles carrying mineral from mining area are tracked and accounted for.
Condition (25)	The State/District Level Environment Committee should use technology like Bar Coding, Information and Communications Technology (ICT) enabled services, mobile SMS app etc to account for weight of mineral being taken out of the lease area and the number of trucks moving out with the mineral.
Compliance	Agreed and noted. Weight of mineral being taken out of the lease area and the number of trucks are monitored by the competent state/district authority.




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## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

Condition (26)	There should be regular monitoring of the mining activities in the State to ensure effective compliance of stipulated EC conditions and of the provisions under the Minor Mineral Concessions Rules framed by the State Government.
Compliance	Regular monitoring of the mining activities is done.
Condition (27)	Noise arising out mining and processing shall be abated and controlled at source to keep within permissible limit.
Compliance	Mining is mostly done by manual method. However where mechanized or semi mechanized mining is done noise is controlled at the source.
Condition (28)	Restricted working hours. Sand mining operation has to be carried out between 6 am to 7pm.
Compliance	Working hours is between 6 am to 7 pm.
Condition (29)	The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly.
Compliance	Water sprinkling is done regularly to control pollution impact.
Condition (30)	Air pollution due to dust, exhaust emission or fumes during mining and processing phase should be controlled and kept in permissible limits specified under environmental laws.
Compliance	Air pollution due to dust, exhaust emission or fumes during mining and processing phase is controlled and kept in permissible limits.
Condition (31)	The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded.
Compliance	Transportation is done only by covered trucks without overloading.
Condition (32)	The mining operations are to be done in a systematic manner so that the operations shall create a major visual impact on the site.
Compliance	Mining activities is done in a systematic manner.
Condition (33)	Restoration of flora affected by mining should be done immediately. Twice the number of trees destroyed by mining to be planted preferably of indigenous species. Each EC holder should plant and maintain for lease period at least 5 trees per hectore in area near lease.
Compliance	Restoration of flora affected by mining activities is done. If flora is affected then twice the number of trees is planted. Plantation details are provided in ANNEXURE V.
Condition (34)	No mining Lease shall be granted in the forest area without forest clearance in accordance with the provisions of the Forest Conservation Act, 1980 and the rules thereunder.
Compliance	There is no forest land within the leasehold area.
Condition (35)	Protection of turtle and bird habitats shall be ensured.
Compliance	Protection of turtle and bird habitats is ensured.
Condition (36)	No felling of tree near quarry is allowed. For mining lease within 10 km of National Park / Sanctuary or in Eco-Sensitive Zone of the Protected Area, recommendation of standing committee of National Board of Wild Life have to be obtained as per the Hon'ble Supreme Court order I.A. No. 460 of 2004.
Compliance	There is no felling of tree.
Condition (37)	Spring sources should not be affected due to mining activities.

  
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Compliance	Mining activities is done in a controlled manner so no spring source is affected.
Condition (38)	Removal, stacking and utilization of top soil in mining should be ensured. Where top soil cannot be used concurrently, it shall be stored separately for future use keeping in view that the bacterial organism should not die and should be spread nearby area.
Compliance	There is no removal of top soil, entire mining operation is done in the riverbed.
Condition (39)	The EC should stipulate conditions for adequate steps to check soil erosion and control debris flow by constructing engineering structures.
Compliance	Soil erosion is checked and preventive measures are taken accordingly whenever required.
Condition (40)	Use of oversize material to control erosion and movement of sediments.
Compliance	Soil erosion is checked and preventive measures are taken accordingly whenever required.
Condition (41)	No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rock is likely to occur due to steep angle of slop.
Compliance	No overhangs are formed due to mining.
Condition (42)	No extraction of stone / boulder / sand in landslide prone area.
Compliance	No extraction of sand is done in landslide prone area.
Condition (43)	Controlled clearance of riparian vegetation to be undertaken.
Compliance	Controlled clearance of riparian vegetation if any is done.
Condition (44)	Site clearance and tidiness is very much needed to have less visual impact of mining.
Compliance	Site clearance and tidiness is ensured to have less visual impact.
Condition (45)	Dumping of waste shall be done in earmarked places as approved in Mining Plan.
Compliance	There is no generation of solid waste. Only some machine scraps if generated is dumped in earmarked place and eventually disposed off properly.
Condition (46)	Rubbish burial shall not be done in the Rivers.
Compliance	Rubbish burial is not done in the Rivers
Condition (47)	The EC holder shall take all possible precautions for the protection of environment and control of pollution.
Compliance	All the possible precautions for the protection of environment and to control of pollution is taken
Condition (48)	Effluent discharge should be kept to the minimum and it should meet the standards prescribed.
Compliance	There is no effluent generated from mining operations.
Condition (49)	Mining shall not be undertaken in a mining lease located in 200-500 meter of a bridge, 200 meter upstream and downstream of water supply/ irrigation scheme, 100 meters from the edge of National Highway and railway line, 50 meters from a reservoir, canal or building, 25 meter from the edge of State Highway and 10 meters from the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee.
Compliance	No mining activities are undertaken within 200-500 meter of a bridge, 200 meter upstream and downstream of water supply/ irrigation scheme, 100 meters from the edge of National Highway and railway line, 50 meters from a reservoir, canal or



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## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

	building, 25 meter from the edge of State Highway and 10 meters from the edge of other roads
Condition (50)	For carrying out mining in proximity to any bridge or embankment, appropriate safety zone (not less than 200 meters) should be worked out on case to case basis, considering the structural parameters, location aspects and flow rate, and no mining should be carried out in the safety zone so worked out.
Compliance	Agreed and Noted.
Condition (51)	Mining activities shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical and archeological importance.
Compliance	Agreed and Noted.
Condition (52)	Vehicles used for transportation of sand are to be permitted only with fitness and PUC certificates.
Compliance	Vehicles with fitness and PUC certificates are only allowed for transportation.
Condition (53)	Junction at takeoff point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by concession holder at his own cost.
Compliance	Junction at takeoff point of approach road with main road is developed. Baktarnagar area junction with NH2 is developed.
Condition (54)	Project proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.
Compliance	The roads are maintained periodically and transportation is done according to the IRC guidelines.
Condition (55)	No stacking allowed on road side along National Highways.
Compliance	No stacking is done on road side along National Highways.
Condition (56)	Project proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and completes this work before abandonment of mine.
Compliance	There is no degraded land. The mining is done inside the riverbed gets replenished in the monsoon.
Condition (57)	Restoration, reclamation and rehabilitation in cluster should be done systematically and jointly by EC holder in that cluster. This should be appropriately reflected as EC condition in each EC in cluster.
Compliance	If required restoration, reclamation and rehabilitation will be done systematically.
Condition (58)	Site Specific plan with eco restoration should be in place and implemented.
Compliance	Not required because there is no degraded land. The mining is done in the riverbed which gets replenished periodically.
Condition (59)	Health and safety of the workers should be taken care of.
Compliance	Health and safety of the workers is taken care of
Condition (60)	Transport of minerals will not be done through village.
Compliance	Transportation of minerals is done by dedicated public road.
Condition (61)	Project proponent shall make arrangement for drinking water, first aid facility in case of emergency for the workers.


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Compliance	Arrangement for drinking water and first aid is done.
Condition (62)	Project proponent shall implement the Disaster Management Plan if the mine lease area is located in Seismic Zone- IV. Project proponent shall appoint a committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels.
Compliance	The mine lease area is not located in Seismic Zone- IV.
Condition (63)	Project proponent shall appoint an Occupational Health Specialist for regular and periodical medical examination of the workers engaged in the project and records maintained; also, occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted.
Compliance	An occupational health specialist for regular and periodical medical checkup of workers is already appointed. Regular and periodical medical checkup is done a per company policy.
Condition (64)	Project proponent shall report monitoring data on replenishment, traffic management, levels of production, River bank erosion and maintenance of road etc.
Compliance	Monitoring data is maintained.
Condition (65)	Use of alternate material such as M-sand in place of natural sand shall be encouraged in order to reduce stress on natural eco system.
Compliance	Alternate materials like processed overburden are being considered for use instead of sand.

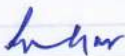
### C. Procedure for Monitoring for Sand Mining

Condition (I)	Project proponent must ensure that the security features of Transport Permission viz. (a) Printed on Indian Bank Association (IBA) approved Magnetic Ink Character Recognition Code (MICR) paper; (c) Unique Barcode; (d) Unique Quick Response Code (QR); (e) Fugitive Ink Background; (f) Invisible Ink Mark; (g) Void Pantograph; (h) Watermark.
Compliance	Transport permit/ challans are generated from a portal of Govt. of WB according to specifications.
Condition (II)	Project proponent must ensure that the CCTV camera, Personal Computer (PC), Internet Connection, Power Back up, access control of mine lease site; and arrangement for weight or approximation of weight of mined out mineral on basis of volume of the trailer of vehicle used at mine lease site are available.
Compliance	There is arrangement of CCTV camera, Personal Computer (PC), Internet Connection where electricity is available. Checking arrangement for weight or approximation of weight of mined out mineral on basis of volume of the vehicle used at the mine lease is available always.

  
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## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

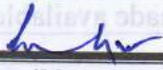
Condition (III)	Project proponent must ensure the Scanning of Transport permit or Receipt and Uploading on Server.
Compliance	Checking of Transport permit/challan is done by company appointed person and also all details are available in the online portal.
Condition (IV)	The State Mines and Geology Department should print the Transport Permits/Receipt with security features enumerated at paragraph (i) above and issue them to the mine lease holder through the District Collector. Once these Transport Permits or Receipts are issued, they would be uploaded on the server against that mine lease area. Each receipt should be preferably with pre-fixed quantity, so the total quantity gets determined for the receipts issued. When the Transport Permit or Receipt gets scanned and invoice is generated, that particular barcode gets used and its validity time is recorded on the server. So, all the details of transporting of mined out material can be captured on the server and the Transport Permit or Receipt cannot be reused.
Compliance	Transport permit/ challans are generated from a portal of Govt. of WB according to specifications. Each of these permits has a prefixed quantity so that the total quantity gets determined for the receipts issued.
Condition (V)	The Staff deployed for the purpose of checking of vehicles carrying mined materials should be in a position to check the validity of Transport Permit or Receipt by scanning them using website, Android Application and SMS.
Compliance	There are staffs deployed for the purpose of checking of vehicles carrying mined material and checking of validity of Transport Permit.
Condition (VI)	In case the vehicle breakdown, the validity of transport permit or receipt shall be extended by sending SMS by driver in specific format to report breakdown of vehicle. The server will register this information and register the breakdown. The state can also establish a call center, which can register breakdowns of such vehicles and extend the validity period. The subsequent restart of the vehicle also should be similarly reported to the server/ call center.
Compliance	This system is in the process of implementation at the district authority level.
Condition (VII)	The route of vehicle from source to destination shall be tracked through the system using check points, radio-frequency identification (RFID) tags and global positioning system (GPS) tracking.
Compliance	This system is in the process of implementation at the district authority level.
Condition (VIII)	The system shall enable the authorities to develop periodic report on different parameters like daily lifting report, vehicle log/history, lifting against allocation and total lifting. The system can be used to generate auto mails/SMS. This will enable the district collector/ magistrate to get all the relevant details and will enable the authority to block the scanning facility of any site found to be indulged in irregularity. Whenever any authority intercepts any vehicle transporting illegal sand, it shall get registered on the server and shall be mandatory for the officer to fill in the report on action taken. Every intercepted vehicle should be tracked.
Compliance	This system is in the process of implementation at the district authority level.



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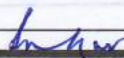
## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

<b>D. General Conditions:</b>	
Condition (I)	No. change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forest & Climate Change.
Compliance	There is no change in mining technology and scope of working.
Condition (II)	No change in the calendar plan of production of quantum of mineral cost shall be made.
Compliance	There is no change in the calendar plan of production for quantum of mineral sand.
Condition (III)	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project
Compliance	Water and sand mixture is withdrawn from the riverbed and after removing the sand from the mixture, the water is recirculated back to the river.
Condition (IV)	Regular monitoring of ground water table to be carried out at the upstream and depth of water available in the dug well is to be measured. Monitoring to be done by establishing a network of existing wells and constructing new piezometers.
Compliance	There is no interfering with ground water table or removal of ground water is done during mining.
Condition (V)	Monitoring of Ambient Air Quality to be carried out based on the 2009 notification, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.
Compliance	Monitoring of Ambient Air Quality is carried out based on the 2009 notification. Water sprinkling is done at loading and unloading points & transfer point to reduce fugitive emissions.
Condition (VI)	The upliftment of scheduled caste/scheduled tribe population, specific programs have been taken into consideration specially with respect to education, health care, livelihood generation, infrastructure development & promotion of sports & culture for SC/ST population and that these will be intensified in future
Compliance	The upliftment of scheduled caste/scheduled tribe population with respect to education, health care, livelihood generation, infrastructure development & promotion of sports & culture is done according to CSR objectives.
Condition (VII)	Plantation should be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed in the first five years.
Compliance	Detailed plantation done in the period is given in ANNEXURE V.

  
Agent/Manager

## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24


Condition (VIII)	Dimension of the retaining wall at the toe of over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
Compliance	There is no overburden generation.
Condition (IX)	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM <sub>10</sub> and PM <sub>2.5</sub> such as haul road, loading and unloading point and transfer points. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
Compliance	Effective safeguard measures such as regular water sprinkling is carried out in critical areas prone to air pollution and having high levels of PM <sub>10</sub> and PM <sub>2.5</sub> such as haul road, loading and unloading point and transfer points
Condition (X)	Regular monitoring of flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water bodies upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forest & Climate Change, its regional office, Bhubaneswar, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.
Compliance	Regular monitoring of flow rate of the springs and perennial nallahs if any flowing in and around the mine lease is carried out and record are maintained.
Condition (XI)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year – pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest & Climate Change, its regional office, Bhubaneswar, Central Groundwater Authority, Regional Director, Central Ground Water Board.
Compliance	There is no interfering with ground water table.
Condition (XII)	The critical parameters such as PM <sub>10</sub> , PM <sub>2.5</sub> , NO <sub>x</sub> and SO <sub>x</sub> in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, pH and Total suspended solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest & Climate Change, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.
Compliance	Monitoring is done by CMPDI, consulting agency for ECL and CIL and all records are maintained. Air quality monitoring data is in the process of compilation by CMPDI and will be sent as soon as it is made available.

  
Agent/Manager

Page 12

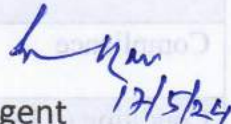
## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

Condition (XIII)	Four ambient air quality monitoring stations shall be established in the core s\zone as well as in the buffer zone for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. Data on ambient air quality should be regularly submitted to the Ministry including its regional office located at Bhubaneswar and State Pollution Control Board and Central Pollution Control Board once in six months.
Compliance	Ambient air quality monitoring stations are situated in and around the mine lease with consultation from State Pollution Control Board.
Condition (XIV)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
Compliance	Fugitive dust emissions from all the sources are controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points is provided.
Condition (XV)	Adequate measures shall be taken for control of noise levels below 85dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.
Compliance	Noise at the source is controlled within permissible limit. There is no blasting or drilling operation.
Condition (XVI)	Industrial Wastewater (workshop and wastewater from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.
Compliance	The sand mining process does not create any waste water.
Condition (XVII)	Personnel working under dusty area shall wear protective respiratory devices and they shall also be provided with adequate training and information and information safety and health aspects.
Compliance	Protective respiratory devices are provided to the workers if required.
Condition (XVIII)	A separate environmental management cell with suitable qualified personals shall be set up under the control of a senior executive, who will report directly to the Head of the Company.
Compliance	A separate environmental management cell with suitable qualified personnel is setup in the area.
Condition (XIX)	The fund earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the Ministry and its regional office located at Bhubaneswar.
Compliance	Agreed and Noted.
Condition (XX)	The project authorities should inform to the regional office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

  
Agent/Manager

## Half Yearly Compliance Report for Sand Mining in Ajoy River for the period October'23 to March'24

Compliance	Regional office located at Bhubaneswar is informed accordingly.
Condition (XXI)	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest & Climate Change, its regional office, Bhubaneswar, State Pollution Control Board and Central Pollution Control Board.
Compliance	Six monthly report of compliance of EC conditions are submitted to concerned authorities.
Condition (XXII)	The Regional Office of the Ministry located in the Region shall monitor compliances 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.
Compliance	Agreed and noted.
Condition (XXIII)	A copy of clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom any suggestions/representation has been received while processing the proposal.
Compliance	Copy if clearance letter is already given to concerned panchayats.
Condition (XXIV)	State Pollution Control Board should display a copy of the clearance letter at the regional office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.
Compliance	Already done.
Condition (XXV)	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, Forest and Climate Change at <a href="http://envfor.nic.in">http://envfor.nic.in</a> .
Compliance	Advertisement was given in The Indian Express on 5 <sup>th</sup> August, 2016.
	The same has also been uploaded in our website <a href="http://www.easterncoalfields.gov.in">www.easterncoalfields.gov.in</a>

  
 Agent  
 J K Ropeways

## ANNEXURE I

### Annual Production of sand for the period October'23 to March'24 from Ajoy and Damodar riverbed

Quarter	AJAY (in Cum)	DAMODAR (in Cum)
1/04/23 - 30/06/23	2,11,091.00	82,919.77
1/07/23 - 30/09/23	2,27,742.24	6,000.29
1/10/23 - 31/12/23	1,81,707.58	74,398.24
1/01/24 - 31/03/24	2,50,664.67	1,28,228.55
<b>TOTAL (in Cum)</b>	<b>8,71,205.49</b>	<b>2,91,546.85</b>

**N.B.**

Monsoon period typically runs from July to October and production data shown during this period is actually sand stacked at designated sites prior to monsoon as per regulations set by state authorities.

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AM (Env)

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## ANNEXURE II

### Periodic Medical Check-up Report till March, 2024

Occupational Health Surveillance/ Medical check-up is done according to company policy in the form of Periodic Medical Examination (PME) of both regular and contractual workers in the areas of ECL associated with sand mining activities. Details of the PME carried out during the period in sand consuming areas of ECL is enclosed.

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Kumar  
17/5/24

# ECL

Eastern Coalfields Limited  
(A subsidiary of Coal India Limited)  
ईस्टर्न कोलफील्ड्स लिमिटेड  
(कोल इंडिया का एक अंग)



Office of the  
Chief of Medical Services  
Sanctoria, ECL (HQ)  
Dishergarh, Burdwan 713333  
Ph. No. 0341-2520813

Ref. No:- ECL/C-5 (E)/CMS(I/C)HQ/PME/24/ 08

Date: 11-Jan-24

To  
The GM (T&MS)/TS to CMD  
ECL, Sanctoria  
Sub: IME/PME report for the month of December 2023

Dear Sir,  
Please find the IME/PME Performance Report for the Month of December 2023 as per the records received from respective area PME Centres and two Central Hospitals of ECL as mentioned below:

Sl. No.	Name of the PME Centre (Cov Area)	Periodical Medical Examination (PME) of Company Workers Dec 2023					Initial Medical Examination (IME) before employment as Company Workers Dec 2023		PME/IME of Contractual Worker Dec 2023			
		PME Yearly Target for 2022 (1/5th of the total manpower)	PME Achievement Above 45 yrs	PME Achievement Below 45 yrs	Total Achievement	Cumulative upto Dec-23	IME Company workers	Cumulative upto Dec-23	PME Contractor worker	Cumulative upto Dec-23	IME Contractor worker	Cumulative upto Dec-23
1	CMD Office + HRD Office + Sanctoria Hospital+ ECL Sales Office + Pipe Line/Transit + Sodepur Central Store + Sodepur Central Workshop + Neamatpur Workshop + Mines Rescue Station Sitarampur	487	0	0	0	58	1	46	0	0	0	0
2	Central Hospital Kalla	99	6	5	11	78	0	0	0	0	0	0
3	Bankola Area + Ukhra Workshop	1787	33	25	58	1779	6	115	0	153	112	249
4	Jhanjra Area	774	0	0	0	781	0	57	15	124	6	291
5	Kajora Area + JK Ropeway	1610	87	18	105	1301	1	51	5	124	0	0
6	Kenda Area	1307	20	2	22	653	0	36	0	65	0	2
7	Kunustoria Area	1327	52	30	82	1182	15	193	7	19	0	0
8	Mugma Area + Mugma Workshop + BEFW	1266	63	14	77	1070	11	66	0	2	0	0
9	Pandaveswar Area	1257	79	78	157	1258	2	50	0	310	20	65
10	Rajmahal Area	540	5	24	29	599	1	43	0	209	34	591
11	Salanpur Area	347	73	52	125	357	8	81	29	229	0	0
12	Satgram Area + Ratibati Workshop +Sripur Area + Ponihati Workshop	2015	216	95	311	2083	0	79	0	40	0	28
13	Sodpeur Area	1441	21	9	30	936	7	68	0	20	0	0
14	Sonepur Bazari Area	396	16	0	16	349	9	42	0	0	0	30
15	SP Mines Area	260	30	21	51	51	0	24	6	6	0	0
TOTAL		14912	701	373	1074	12535	61	951	62	1301	172	1256

This for your kind information and necessary action.

Yours faithfully,  
  
11.01.24  
CMS, ECL

Copy to through email:  
TS to D(T) OP, TS to DT(P&P) TS to D(P), ECL  
GM all Area, GM, Safety, ECLHQ  
CMD (I/C) SH, CMD (I/C) CHK  
DyCMD (HQ) for related file

# ECL

**Eastern Coalfields Limited**  
(A subsidiary of Coal India Limited)  
**ईस्टर्न कोलफील्ड्स लिमिटेड**  
(कोल इंडिया का एक अंग)



**Office of the**  
**Chief of Medical Services**  
Sanctoria, ECL (HQ)  
Dishergarh, Burdwan 713333  
Ph. No. 0341-2520813

Ref. No:- ECL/C-5 (E)/CMS(I/C)HQ/PME/23/ 41

Date: Friday, April 5, 2024

To

The GM (T&MS)/TS to CMD  
ECL, Sanctoria

Sub: IME/PME report for the month of March 2024

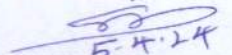
Dear Sir,

Please find the IME/PME Performance Report for the Month of March 2024 as per the records received from respective area PME Centres and two Central Hospitals of ECL as mentioned below:

Sl. No.	Name of the PME Centre (Cov Area)	Periodical Medical Examination (PME) of Company Workers March 2024					Initial Medical Examination (IME) before employment as Company Workers March 2024		PME/IME of Contractual Worker March 2024			
		PME Yearly Target for 2024 (1/5th of the total manpower)	PME Achievement Above 45 yrs	PME Achievement Below 45 yrs	Total Achievement	Cumulative upto Mar-24	IME Company workers	Cumulative upto Mar-23	PME Contractor worker	Cumulative upto Mar-24	IME Contractor worker	Cumulative upto Mar-24
1	CMD Office + HRD Office + Sanctoria Hospital+ ECL Sales Office + Pipe Line/Transit + Sodepur Central Store + Sodepur Central Workshop + Neamatpur Workshop + Mines Rescue Station Sitarampur	496	0	0	0	0	22	23	0	0	0	0
2	Central Hospital Kalla	93	11	0	11	23	38	38	0	0	0	0
3	Bankola Area + Ukhra Workshop	1712	48	16	64	296	9	28	6	19	13	22
4	Jhanjra Area	733	54	32	86	212	3	18	25	43	20	60
5	Kajora Area + JK Ropeway	1518	32	7	39	276	6	10	1	45	0	0
6	Kenda Area	1227	10	66	76	237	5	19	22	25	0	0
7	Kunustoria Area	1272	62	26	88	298	0	4	7	8	0	0
8	Mugma Area + Mugma Workshop + BEFW	1210	46	21	67	250	8	14	0	0	0	0
9	Pandaveswar Area	1211	78	23	101	272	3	8	28	59	0	56
10	Rajmahal Area	516	4	13	17	106	1	11	0	26	70	202
11	Salanpur Area	328	35	4	39	67	6	15	10	15	0	0
12	Satgram Area + Sripur Area + Ponihati Workshop + Ratibati Workshop	1904	116	35	151	427	43	43	0	0	0	0
13	Sodepur Area	1347	45	10	55	203	8	12	0	0	0	0
14	Sonepur Bazari Area	374	6	0	6	6	0	2	0	0	0	0
15	SP Mines Area	253	0	0	0	36	2	7	0	0	0	0
TOTAL		14194	547	253	800	2709	154	252	99	240	103	340

This for your kind information and necessary action.

Yours faithfully,

  
5-4-24  
CMS(I/C), ECL

Copy to through email:

TS to D(T) OP, TS to DT(P&P) TS to D(P), ECL  
GM all Area, GM, Safety, ECL, HQ  
CMO (I/C) SH, CMO (Admn.) CHK  
MS (HQ) for related file

## ANNEXURE III

### CSR Activities done by different areas of ECL associated with Sand Mining activities

	Name of work (ongoing/completed)	Amount
<b>Bankola</b>	Project on Tailoring and Jewelry making in Ichapur Panchayat	1.36 Lakhs
<b>Kajora</b>	Health Camp at Anjirbagan under Khas Kajora Colliery	1.35 Lakhs
<b>Kenda</b>	Installation of 442 Nos of Solar LED Lights in Chora and Kenda Panchayat	40.22 Lakhs
	Implementation of Mobile Medical Van in Villages under Kenda Area - Bahula, CL Jambad, Chakdola, Khas Kenda, Kenda, Pure Jambad	---
<b>Pandaveswar</b>	Operation of Mobile Medical Van in the command Area of Pandaveswar Area, ECL	19.16 Lakhs
<b>Satgram-Sripur</b>	Tailoring project at Jemeri GP for SHG	8.46 Lakhs
	Financial assistance to 25 Nos. of underprivileged special students	4.36 Lakhs
	Mobile Water Sprinkling for improving Air Quality	1.97 Lakhs
	Departmental Health Camps under CSR	3.8 Lakhs
<b>Kunustoria</b>	Providing of medical and healthcare services to underprivileged needy persons through mobile medical vans	29.64 Lakhs

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## ANNEXURE IV

### Replenishment Study- Ajoy and Damodar Riverbed (2023-24)

1. EC has been obtained for annual extraction of sand up to 1.5 million cubic meters from Damodar River and 2.0 million cubic meters from Ajoy River.
2. Average difference between the pre and post - monsoon RLs for the year 2023 was found to be 1.88 m for Damodar riverbed and 1.19 m for Ajoy riverbed.
3. Thus, total replenished quantity of sand during monsoon period of 2023 within the sand mining leasehold of ECL in Damodar Riverbed =  $865800 \text{ sqm} \times 1.88 \text{ m} = 1.627$  million cubic meters.
4. Total replenished quantity of sand during monsoon period of 2023 within the sand mining leasehold of ECL in Ajoy Riverbed =  $4143600 \text{ sqm} \times 1.23 \text{ m} = 4.93$  million cubic meters.
5. It can be observed that the total replenished quantity is greater than the quantity of sand mined in the year 2023-24 which was 0.29 million cubic meters from Damodar riverbed and 0.87 million cubic meters from Ajoy riverbed.

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## ANNEXURE V

### Plantation report of areas of ECL associated with sand mining

Plantation in different areas of ECL is carried out in association with Forest Department

Name of area	Area (on-going/completed)	
Kajora	17 Ha	Miscellaneous & Seed-ball plantation
Kenda	4.07 Ha	Orchard plantation
Bankola	1.78 Km	Avenue plantation
Kunustoria	15.54 Ha	Miscellaneous & Avenue plantation
Pandaveswar	3.5 Ha & 2.3 Km	Orchard & Avenue plantation
Satgram-Sripur	37.03 Ha	Miscellaneous & Seed-ball plantation
Sodepur	2 Ha	Miscellaneous plantation

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