

प्रधानी कोलफील्ड्स लिमिटेड  
महानदी कोलफील्ड्स लिमिटेड  
Mahanadi Coalfields Limited  
(A subsidiary of Coal India Limited)

OFFICE OF THE SUB AREA MANAGER  
ORIENT SUB AREA  
PO: ORIENT COLLIERY  
BRAJRAJNAGAR-768233  
Email: po-mn2c.mcl@coalindia.in  
sam.osa.mcl@hotmail.com



**MCL**

संदर्भ क्रमांक: MCL/OA/SAM/OSA/sectt./262

दिनांक: 13.11.25

To,  
The Chief Conservator of Forest,  
Ministry of Environment & Forest,  
Regional Office (Eastern Zone),  
A/3, Chandrasekharpur,  
Bhubaneswar-751023, Odisha.  
E-mail-mef@ori.nic.in

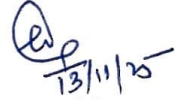
**Sub:** Submission of Half Yearly (April 2025 to September 2025) Compliance Report of the conditions stipulated in the Environment Clearance Letter in respect of Orient Colliery Mine No. 3, Orient Area, MCL.

Sir,

Enclosed please find herewith the hard copy of Half Yearly Compliance Report of the conditions stipulated in the Environment Clearance (EC) Letter as per condition no.XVII of General Conditions of EC in respect of Orient Colliery Mine No. 3, Orient Area, MCL for the period APRIL 2025 to SEPTEMBER 2025 for your kind information.

Thanking you,

Yours faithfully,

  
13/11/25

*Tapan*  
Sub-Area Manager,  
Orient Colliery Mine No.3,  
Orient Sub-Area,  
Orient Area, MCL.

Copy to:-

1. Director, EIA Monitoring Cell,  
Ministry of Environment & Forest,  
Paryavaran Bhawan, CGO Complex,  
Lodhi Road, New Delhi-110003.
2. The Member Secretary,  
Orissa State Pollution Control Board,  
Paribesh Bhawan, A/118,  
Nilakantha Nagar, Unit-VIII,  
Bhubaneswar-751012, Odisha.
3. Regional Officer,  
State Pollution Control Board (Odisha),  
Plot No-370/5971, Babubagicha (Cox Colony),  
St. Marry Hospital Road,  
Post- Industrial Estate,  
Dist- Jharsuguda, Odisha.
4. GM (Envt & Forest), MCL HQ, SBP for kind information
5. GM, Orient Area for Kind information
6. Area Environmental Officer, Orient Area
7. Office File.

मुख्य प्रबंधक (खनन) उ.क्षेत्र  
ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)  
Chief Manager (Mining)/S.A.M.  
Orient Sub-Area (Orient Area)

**HALF YEARLY PROGRESS REPORT  
OF COMPLIANCE  
WITH  
ENVIROMENTAL CLEARANCE  
CONDITIONS  
(APRIL- 2025 TO SEPTEMBER- 2025)**

**ORIENT COLLIERY U/G MINE NO: 3, (0.69 MTPA)  
ORIENT AREA**



**MAHANADI COAL FIELDS LIMITED**

# HALF YEARLY PROGRESS REPORT OF COMPLIANCE WITH ENVIROMENTAL CLEARANCE CONDITIONS

(HALF-YEARLY ENDING SEPTEMBER 2025)

**Name of the Project:** Orient Colliery U/G Mine No: 3, MCL (0.69 MTPA)

**No. & date of MOEF clearance:** letter No. J-11015/206/2008-IA.II(M) dtd.12<sup>th</sup> March 2013

## A. Specific Conditions:

Condition No.	Conditions stipulated in the EC	Compliance
1	Coal transportation should be by covered trucks. The loading should be by bulk loaders at Lajkura siding. Coal would be transported by belt conveyor onto surface bunkers from where it would be dispatched directly to small consumers by road using 54 trucks of 18-T capacity, and to major consumers and basket linkage by rail from Orient Railway Siding at a distance of 1.5 km covered by road.	Coal production has been discontinued since 01.04.2021. No physical coal stock is available for dispatch at the mines.
(i)	No mining shall be undertaken in/under the forestland until prior forestry clearance has been obtained under the provisions of FC Act 1980.	Stage-I forestry clearance has already been obtained for the mine vide MOEF letter no. F No.8-82/2012-FC, dtd.29/01/2013 and the action/process for obtaining final forestry clearance has already been initiated.
(ii)	No additional land, manpower and equipment and water, shall be used for the expansion project.	No additional land, manpower and equipment and water are being used for the mine at present.
(iii)	Mine closures activities include sealing of incline mouth dismantling of haulage system, clearing and afforestation of coal stock area, plantation on barren land and old abandoned mine.	Activities of sealing of incline mouth, dismantling of haulage system, clearing and afforestation of coal stock area, plantation on barren land and old abandoned mine shall be done as per the final mine closure plan before the mine is closed.
(iv)	Mining shall be carried out as per statute at a safe distance from river/nallah.	Mining is being done at a safe distance from river/nallah as per the provisions of CMR, 2017 and relevant DGMS circulars applicable to the mine. Nearest river is IB river at a distance of about 4.5 km from the mine.
(v)	No mining should be carried out below the railway track.	Presently no mining has been done below any railway track.
(vi)	No depillaring shall be undertaken vertically below and within 60 m of nallahs and ponds within the subsidence influence area	No depillaring has been done vertically below and within 60 m of nallahs and ponds within the subsidence influence area.
(vii)	Sufficient coal pillars shall be left unextracted around the air shaft (within the subsidence influence area) to protect from any damage from subsidence, if any.	Sufficient coal pillars have been left unextracted around the air shaft.
(viii)	Solid barriers shall be left below the roads falling within the blocks to avoid any damage to the roads.	Solid barriers have been left below the roads falling within the blocks to avoid any damage to the roads.
(ix)	No depillaring operation shall be carried out below habitation.	No depillaring operation has been done below habitation.
(x)	Depression due to subsidence resulting in water accumulating within the low lying areas shall be filled up or drained out by cutting drains. Details of extent of subsidence that has occurred and the extent of area under subsidence and measures to be taken	No subsidence has been found to occur due to mining operation in the mine.

	therefore be furnished to the ministry for record.	
)	Mining shall be carried out as per statute at a safe distance from river/nallah following within adjacent to the lease boundary at the time of depillaring, protective bunds and garland drains shall be provided so that no water from the surface enters the subsidence area and the shaft.	Presently mining is being done at a safe distance from river/nallah as per statutory provisions applicable to the mine under CMR, 2017 and necessary protective measures as per the statute shall be taken at the time of depillaring.
(xii)	While extracting panels in the lower seam, all water bodies in the subsidence area shall be drained. Dewatering of the old goaves of the upper seam shall be continued as long as the lower seam is worked to prevent accumulation of large water bodies over working area.	All the precautions necessary shall be observed as per CMR, 2017 in the mine during the extraction of panels in the lower seam.
(xiii)	High root density tree species shall be selected and planted over areas likely to be affected by subsidence.	Coal production from Orient Mine No. 3 has been discontinued since 01.04.2021. Adequate numbers of high root density tree species have already been planted over the areas likely to be affected by subsidence.
(xiv)	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 developed due to subsidence in underground mining shall be filled with clay and sand, suitable material. The area should be reclaimed back to the normal state.	Regular monitoring of subsidence movement on the surface over and around the working area is being done. No subsidence has been observed so far, no cracks have been observed anywhere.
(xv)	Garland/surface drains (size, gradient and length) around the safety areas such as mine shaft and low lying areas and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. Sump capacity shall also be provided adequate retention period to allow proper settling of silt material. Sufficient number of pumps of adequate capacity shall be deployed to pump out mine water during peak rainfall.	Garland drains have been provided around mine openings. Sumps of adequate capacity have been established below ground keeping in view of maximum rainfall & adequate retention time, sufficient number of pumps of adequate capacity have been installed below ground.
(xvi)	CHP shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc.	Presently there is no proposal for installation of CHP. Coal production from Orient Mine No. 3 has been discontinued since 01.04.2021.
(xvii)	Drills shall be wet operated only.	Coal production from Orient Mine No. 3 has been discontinued since 01.04.2021.
(xviii)	The major approach roads from ML used for mineral transportation shall be black topped and a 3-tier avenue plantation developed using a mix of native species.	The major approach roads from ML used for mineral transportation are provided with black topping and a 3-tier avenue plantation.
(xix)	An afforestation plan shall be prepared and implemented for the areas acquired under surface rights and shall include areas along roads, infrastructure, township, CHP, along ML boundary, etc, by planting native species in consultation with the local DFO/ Agriculture Department. The density of the trees shall be around 2500 plants per ha.	Adequate plantation has been done in the mine lease area as per the advice of forest department.
(xx)	A Conservation Plan for endangered species shall be formulated in case they inhabit/ visit/ reported within the study area and implemented in consultation with the State Forest and Wildlife Departments. A budgetary provision shall be earmarked for its	No endangered species inhabited within the study area of the mine.

	establishment and maintenance and a report thereon be submitted as part of the Monitoring Report to the MoEF, RO, Bhubaneswar and also regularly (at least once a year) uploaded on the Company's website.	
(xxi)	Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.	The groundwater level in the wells of the nearby villages is being monitored by CMPDIL. There has been no change in the water level of the well due to mining.
(xxii)	Monitoring of drinking water should be carried out regularly.	Monthly monitoring of drinking water is being carried out by CMPDIL.
(xxiii)	Project specific CSR should be prepared & activities under CSR undertaken for the neighboring villages shall be for not less than Rs. 5 per tonne of coal with escalation factor every year be provided under the CSR for the life of the project and the progress made thereon shall be uploaded on the company annually on the company website. Green Belt/plantation should be provided on both side of road in Piper war area. CSR funds could be utilized for this purpose;	Adequate fund has been allocated for activities under CSR which is being done in the neighboring villages.
(xxiv)	The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring shows a declining trend of ground water level. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	Ponds of the nearby villages are being maintained by the Company under CSR activity and supply of drinking water to the nearby villagers is made during the Summer.
(xxv)	Sewage treatment plant shall be installed in the township. ETP shall also be provided for treating workshop and CHP effluents.	Active mining operation in the mine is currently under suspension. As such the number of employees in the mine is very less and presently the domestic sewage generated is being disposed off through a soak pit with septic tank arrangement. Hence, there is no requirement for a Sewage Treatment Plant. There is no CHP in the mine and no workshop effluents generated as this is an underground semi-mechanized mine.
(xxvi)	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 anyone particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhubaneswar.	A land use map, based on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone is in the process of preparation.
(xxvii)	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval. Mine closure should ensure that no illegal mining begins after mine is closed.	A Progressive Mine Closure Plan has already been submitted to the Ministry of Environment & Forests. The Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the MOEF for approval 5 years in advance of final mine closure.
(xxviii)	If the water quality parameters such as F, pH, heavy metals, etc exceed the prescribed limits, suitable measures by the proponent be taken to ensure that the local communities are provided alternate source of water for their livelihood.	The water quality parameters such as F, pH, heavy metals, etc are within the prescribed limits so far.



c)	Medical camps should be organized in the area for regular check-up of workers/ villagers/ population. Detailed prevalent disease pattern in the area should be documented and details of medical facilities provided for the same be made available to the MoEF.	Periodical medical camps are being organized in the area for regular check-up of workers.
(xxx)	Proponent should make written submission on the compliances/ clarifications to the MoEF on the above cited issues.	Compliances/ clarifications in writing on the above cited issues will be submitted to MOEF as and when required.
(xxx)	Corporate Environment Responsibility:	
	a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.	The Company has a well laid down approved Environment Policy.
	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.	The Environment Policy of the Company includes 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.	The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions is furnished as <b>Annexure-A1</b> .
	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.	The Company has already a system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company.

#### B. General Conditions:

Condition No.	Conditions stipulated in the EC	Compliance
(i)	No change in technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	There has been no change in mining technology and scope of working so far.
(ii)	No change in the calendar plan including quantum of mineral coal and waste being produced shall be made.	There has been no change in calendar plan of extraction quantum of coal.
(iii)	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, in particulates shall be carried out at least once in six months.	Ambient air quality monitoring stations have been established in consultation with State Pollution Control Board.
(iv)	Data on ambient air quality (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> and heavy metals such as Hg, As, Ni, Cr, etc) 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 EP Rules, 1986 shall be furnished as part of the compliance report.	Data of ambient air quality is being submitted (half yearly) to MOEF, State Pollution Control Board & Central Pollution Control Board.
(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.	Adequate measures under CMR, 2017 have been taken to reduce noise level below 85 dBA at the working places. Workers exposed to high noise levels are provided with ear plugs.

	Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, and treated so as to conform to the standards including for heavy metals before discharge prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	Waste water from the mine is collected in sedimentation ponds and treated suitably before being allowed to discharge on ground. No waste water discharged from workshop.
(vii)	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of the mineral shall be covered with tarpaulins and optimally loaded.	Vehicular emissions kept under control by regular checking of exhaust emissions. Vehicles used for transporting coal are optimally loaded and covered with tarpaulins before they are dispatched.
(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 EP Rules, 1986.	Environmental monitoring work is being done through CMPDIL having adequate laboratory facilities as required by State Pollution Control Board.
(ix)	Persons 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. 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.	Persons working in dusty areas are provided with dust masks and educated on health aspects through training. Periodical occupational health check up of all workers is carried out once in every five years regularly and corrective measures are being taken as when necessary.
(x)	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.	A separate environment management cell headed by GM (Envt. & Forest) at Company HQ who reports directly to DT (P&P) of Company. Annexure A1 attached for ready reference.
(xi)	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.	Funds earmarked for environmental protection measures are kept in a separate account head of "Environment". Year-wise expenditure is reported to MOEF, Sate Pollution Control Board by Company HQ.
(xii)	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 <a href="http://envfor.nic.in">http://envfor.nic.in</a>	Advertisement relating to the fact that the project has been accorded environmental clearance was made in the Oriya daily "DHARITRI (Sambalpur)" and English Newspaper "NEW INDIAN EXPRESS (Bhubaneswar)" on Dtd.09.09.2013.
(xiii)	A copy of the environmental clearance letter shall be marked to concerned 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 the company's website.	A copy of environmental clearance has been given to the concerned local Panchayats and Municipal Corporation and also displayed on the company's website.
(xiv)	A copy of the clearance letter shall 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 Centre and Collector's Office/Tahsildar's Office for 30 days.	A copy of the clearance letter has been sent to the State Pollution Control Board, Odisha, Bhubaneswar Regional Office, District Industry Centre, Collector's Office and Tahsildar's Office, Jharsuguda for display of such clearance.
(xv)	The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as	The environmental clearance letter has been uploaded on the company's website. The monitoring data of environmental quality parameters is being displayed at the entrance of

	to bring the same in the public domain. The monitoring data of environmental quality parameters (air, water, noise and soil) and critical pollutants such as PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mines office and in corporate office and on the company's website.	the project premises and mines office and in corporate office and on the company's website.
(xvi)	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the MOEF, the respective Zonal offices of CPCB and the SPCB.	Six monthly reports on the status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) is being submitted to the respective Regional Office of the MOEF, the respective Zonal offices of CPCB and the SPCB.
(xvii)	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.	The requisite data/ information/ monitoring reports are being furnished to the Regional Office of MOEF, Bhubaneswar.
(xviii)	The environmental statement for each financial year ending 31st March in Form-V is mandated to be submitted by the project proponent to 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.	The environmental statement report in respect of Orient Colliery Mine 3 for the financial year 2024-25 ending 31 <sup>st</sup> March 2025 has been submitted to the Board vide letter No. MCL/OA/SAM/OSA/CM/2025-26/206 dated 17/09/2025.


  

  
**Sub Area Manager,**  
**Orient Colliery Mine No.3**  
**Orient Sub Area,**  
**Orient Area, MCL**  
  
**मुख्य प्रबंधक (खनन) उ.क्षे.प्र**  
**ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)**  
**Chief Manager (Mining) S.A.M.**  
**Orient Sub- Area (Orient Area)**


# FORM -1

## MINISTRY OF ENVIRONMENT & FOREST REGIONAL OFFICE MONITORING PROFORMA PART-I (DATA SHEET)

1. Project Type: River-Valley/Mining Industry/Thermal /Nuclear/Other (Specify) : Mining Industry (COAL)
2. Name of the Project : Orient Colliery Mine No.3 (0.69MTPA)
3. Clearance Letter(s) OM no. & Date : J-11015/206/2008-IA.11 (M) Dated 12/03/2013
4. Location : Jharsuguda, Odisha
- (a) District(s), State(s)
5. a) Address of concerned project Chief Engineer (with pin code and telephone/telex/Fax nos. : Office of the Colliery Manager, Orient Colliery Mine No.3, At/PO: Brajrajnagar, Dist: Jharsuguda, Odisha, Pin: 768216
- b) Address of Executive project Engineer/Manager (with pin code and telephone/telex/Fax nos. : -do-
6. Salient Feature
- a. of the project : Start of mine –In the year 1968  
Mine lease area- 1130 ha.  
Mineable reserve- 64.44 Mt. as on 01.04.25  
Extractable reserve- 46.94 Mt. as on 01.04.25  
The Grade of coal: G-15  
Mining Technology: Board & Pillar with LHDs.  
Targeted output- 0.69 MTPA of augmented project  
Life of mine- 50 years as on March, 2021
- b. of the Environmental Management plans : Coal extraction from developed panels shall be done along with stowing to prevent damage to forest land due to subsidence
7. Break up of the project area : Total area- 1504.559 Ha.
- a. Submergence area (Forest and Non-Forest) : Forest – 868.216 Ha.  
Non-Forest – 254.998 Ha (Govt. plus tenancy)
- b. Others : ML area - 1130 Ha, roads- 13.44 Ha,  
Coal stockyard- 8 Ha, Inclines- 0.11 Ha &  
Magazine- 4.44 Ha
8. Break up of project affected population with enumeration of those losing house/ dwelling units only, agricultural land only, both dwelling unit and agricultural land and land less laborers/ artisans. : NA
- a. SC, ST/Adivasis : NA
- b. Others : NA

Financial Details:

- a) Project cost as originally planned and Subsequently estimates and the year of price reference. : P.R- Not Available, Project cost – NA
- b) Allocation made for environmental management plans, with item –wise and year wise break-up. : ECO development cost-  
i) Plantation(Orient Area)  
For April 2025- Sept 25 : NIL  
ii) Water Cess : NA  
Subsidence Management Cost - NA lakhs  
Environment Measurement Cost (2025- 26):  
**Rs. 16,32,301.08/-** (as per Work Order)  
Cost of strengthening of existing forest land on surface- NA lakhs  
: **Loss of Rs. 902.72 lakhs** (April 2025- Sept 25)
- c) Benefit cost ratio/internal rate of return and the year of assessment : ; Yes
- d) Whether 9 c) includes the cost of environment management plans so far : **Rs. 902.72 lakhs**
- e) Actual expenditure incurred on the project for (April 2025- Sept 25) : Miscellaneous Cost like subsidence prediction studies etc. NA Lakhs  
TOTAL- NA Lakhs
- f) Actual expenditure incurred on the Env't. Mgmt plans, so far : Stage-I Forest Clearance for 1300.935 Ha of forest land for U/G mining including 99.06 ha of forest land for surface breaking has been obtained for O.C-Mine No.1&2, O.C-Mine No.3 and HBM & HRC (Combined). Stage-II Forest Clearance is under process
10. Forest land requirements : Nil
- a) The status of approval of a diversion of forest land non-forestry use, : Nil
- b) The status clear felling : Nil
- c) Comments on the viability and Sustainability programme in the light of actual field experience so far
11. Status of construction : In the year 1968
- a) Date of commencement (Actual and /or planned) : Planned for completion in the year 2051
- b) Date of completion (Actual and /or planned)
12. Reason for the delay if the project is yet to start : NA
13. Date of site visit : In the month of March'2013
- a) The date on which the project was monitored by the regional office, if any : -do-
- b) Date of visit for this monitoring report : Nil
14. Details of correspondence with project authority for obtaining action, information and status of compliance to safe guard

  
Sub Area Manager,  
Orient Colliery Mine No.3  
Orient Sub Area, OA, MCL

मुख्य प्रबंधक (खनन) उ.क्षे.प्र (P/2 of 2)  
ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)  
Chief Manager (Mining)/S.A.M.  
Orient Sub- Area (Orient Area)

## FORM-II

### PROFORMA FOR PROVIDING INFORMATION ON REHABILITATION

1. No. of villages affected : Nil (Rehabilitation Plan not applicable)  
2. Families affected : SC- NIL, ST- NIL, OTH- NIL, Total- NIL  
3. Compensation package offered per family :

State/Centre norms	Project Package
As per state Govt. Package	NA

4. Budget estimate for rehabilitation

- a) Total Outlay : NA  
b) Amount paid/used. : NA


5. Employment details

- a) Total employment to be provided : NA  
b) Employment given so far. : NA

6. Rehabilitation & Resettlement details

- a) Nos. of families rehabilitated  
i. Name of the site : NA  
ii. Families rehabilitated : SC- NIL, ST- NIL, OTH- NIL, Total- NIL  
b) Families yet to be rehabilitated  
i. Name of site : NA  
ii. No. of families : SC- NIL, ST- NIL, OTH- NIL, Total- NIL

Any other information : NIL

  
13/11/25  
**Sub Area Manager,**  
**Orient Colliery Mine No.3**  
**Orient Sub Area,**  
**Orient Area, MCL**

मुख्य प्रबंधक (खनन) उ.क्षे.प्र  
ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)  
Chief Manager (Mining)/S.A.M.  
Orient Sub- Area (Orient Area)

**FORM-III**  
**FORMAT FOR PROVIDING PARTICULARS ON GREEN**  
**BELT/PLANTATION UNDER F C ACT, 1980 AND E (P), ACT, 1986**

1. a. Name of Organization : Orient Colliery UG Mine No.3, MCL  
b. Env't. Clearance order No. : No. J-11015/206/2008-1A.II (M), Dated: 12/03/2013  
c. Forest Clearance order No. : F.No. 8-82/2012-FC, dtd.29/01/2013 for Stage-I FC.
2. Location, Block/Sub Division/  
Dist/State : Village- Lajkura, Block- Brajrajnagar,  
Sub Division- Jharsuguda,  
Dist.- Jharsuguda, State- Odisha.
3. Address for communication : Colliery Manager, Orient Colliery Mine No.3, MCL  
P.O- Brajrajnagar, Dist: Jharsuguda (Odisha),  
Pin- 768216.
4. Existing vegetation in the area/region  
a. Species (Trees/shrub/Grasses/climbers) : Trees, Shrub, Grasses & Climbers  
b. Major prevalent species of each type : Trees
5. Land coverage by the project  
a. Total area under the project : 1504.559 ha.  
b. Area covered for basic infrastructure : 82.802 ha. (infrastructure & buildings-56.812 ha,  
Roads- 13.44 ha, Coal stockyard- 8 ha,  
Inclines- 0.11 ha, Magazine- 4.44 ha)
6. Details about natural vegetation  
a. Name and number of tree/species felled : Nil  
b. Name and number of plants species still available in the area : NA as this is an underground mine.  
c. By protecting the area will indigenous :  
d. Extent of green belt developed. : 70.846 ha. for Orient Area
7. Plantation required to be carried out as per  
a. Condition of Environment : As per stipulated condition no. XIX (of  
specific conditions of EC)  
Clearance in Ha/No. of plants/Ha) : 2500 no. of plants/Ha.  
b. Condition of Forest Conservation Act, :  
1980; forest clearance in Ha/No.  
c. Voluntarily in Ha./No. : 2500 no./Ha.

8. Details about plantation

a. Total area available for plantation in the year 2025-26 in each category.

i. Green belt	ii. Ext. dump	iii. B/F area	iv. Road sides	v. Block plantations
Nil	Nil	Nil	Nil	Nil

**Plantation details (Category wise & methodology used)**

Year of plantation	Species planted	Spacing	Height attained	Total area covered till Sept'25	Proposed plantation programme in 2025-26	Proposed plantation programme to be taken during 2025-26	Proposed free distribution of seedling during 2025-26
1992 to March 2025	Given in Annexure-A	2m x 2m	2m to 8m	70.846 ha. for Orient Area	Permission from local authorities for non-bearing coal land is awaited for plantation	Presently, no suitable bearing land for undertaking plantation activities is available within the mining lease area of orient Area. However, Tahsildar, Jharsuguda has been requested with a copy to the Collector, Jharsuguda to provide suitable land for plantation outside the lease area. Plantation activities will be taken up as soon as such land is available.	NIL

c. Survival % of plantation (for last five years): 82.32% to 86.56% after 3 years of maintenance activity for such plantation.

9. Agency carrying out plantation and maintenance: Chhattisgarh Rajya Van Vikash Nigam, Korba, (CG) & Orissa Forest Development Corporation Ltd., Jharsuguda (C -KL) Division.

**10. Financial Details.(Year wise and item wise)**

Sl. No.	Year	Fund allocated in Rs. for 03/05 years	Expenditure made in Rs. for 03/05 years	Average cost of each surviving plants in Rs.(plantation scheme valid for 3 years & w.e.f. the year 2011-12 valid for 5 years)
1	1992-93	Nil	Nil	Nil
2	1993-94	Nil	Nil	Nil
3	1994-95	Nil	Nil	Nil
4	1995-96	Nil	Nil	Nil
5	1996-97	Nil	Nil	Nil
6	1997-98	Nil	Nil	Nil
7	1998-99	Nil	Nil	Nil
8	1999-00	Nil	Nil	Nil
9	2000-01	Nil	Nil	Nil
10	2001-02	Nil	Nil	Nil
11	2002-03	Nil	Nil	Nil
12	2003-04	Nil	Nil	Nil
13	2004-05	Nil	Nil	Nil
14	2005-06	590572.57	466868	44.33
15	2006-07	2294746.18	2248370	59.70
16	2007-08	636000	620566	60.31
17	2008-09	1041224.5	1041224.5	46.28
18	2009-10	760592	760592	41.83
19	2010-11	957600	957600	68.40
20	2011-12	1314800	1314800	113.34
21	2012-13	Nil	Nil	Nil
22	2013-14	Nil	Nil	Nil
23	2014-15	46,500	46,500	31.00
24	2015-16	11,75,500	11,75,500	23.51
25	2016-20	Nil	Nil	Nil
29	2020-21	2,99,977	114017.07	325.76
30	2021-22	17,42,124.86	12,37,964.35	495.19
31	2022-23	204000	204000	100.00
32	2023-24	7625	7625	152.50
33	2024-25	676200	676200	67.62
34	2025-26	Nil	Nil	Nil

11. Inspection of plantation by fields experts and their comments and Follow up action.

12. Remarks/any other information.

- : Inspected by Plantation Monitoring Committee of the District Environment society, Jharsuguda accompanied by Sri N C Senapaty, N O (Envt.), Orient Area, MCL on dtd.26/11/2014.
- : Orient Area, MCL may be assigned to take up Plantation outside the lease area.

Date: 13/11/2025

*Tapas*

*13/11/25*

**Sub Area Manager,  
Orient Colliery Mine No.3  
Orient Sub Area  
Orient Area, MCL**


**मुख्य प्रबंधक (खनन) उ.क्षे.प्र  
ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)  
Chief Manager (Mining)/S.A.M.  
Orient Sub- Area (Orient Area)**

**Annexure-A**  
**NAME OF THE SPECIES PLANTED IN AND AROUND**  
**ORIENT COLLIERY U/G MINE NO.3**

Sl. No.	Local Name of Species
1	Jack Fruit
2	Mango
3	Amla
4	Jamu
5	Neem
6	Karanja
7	Kadamba
8	Simaruba
9	Jaafra
10	Rain tree
11	Chakunda

**PLANTATION WORK UNDERTAKEN IN ORIENT AREA, MCL SINCE 2005-06**

Year of plantation	No. Planted		Total plantation area in Ha.
	Block Plantation	Avenue plantation	
2005-06	18,400	1,600	8.36
2006-07	50,475	Nil	22.43
2007-08	12,500	Nil	5.00
2008-09	22,500	Nil	9.0
2009-10	22,000	Nil	8.80
2010-11	14,000	Nil	5.6
2011-12	10,000	1,600	4.64
2014-15	1,500	Nil	Within School Premises of Rajpur, Loisingh, Chandinimal, Kudopali and Gourmal Gram Panchayat
2015-16	50,000	Nil	Within rural schools of Jharsuguda District
2016-17	Nil	Nil	Plantation activity could not be undertaken due to unavailability of suitable land with the mine leasehold area at present. However, we have requested the Tahsildar, Jharsuguda/Collector, Jharsuguda to provide such land outside the mine leasehold area to undertake such plantation activities.
2017-18	Nil	Nil	
2018-19	Nil	Nil	
2019-20	Nil	Nil	
2020-21	350	Nil	Area 0.14 Ha Near Officers Club Rampur Sub Area
2021-22	1000	Nil	0.4 Ha (Plantation activity carried out in premises of Mine No.-3 & Mine No.-4.)
	3500	Nil	1500 nos. of plants distributed to employees of OA and 2000 nos. of plant distributed in nearby villages.
	Nil	1,500	0.9 Ha Area OMP Chowk Jharsuguda to Jharsuguda Stadium
2022-23	540	NIL	Planted in OC-4 mine, Orient Area in 0.216 Ha
	1500	NIL	Distributed to employees of Orient Area
2023-24	50	NIL	Planted in OC-4 mine, Orient Area
2024-25	10000	NIL	Planted by Orient Area near Hill Top Colony, SOCP in 4.56 Ha
2025-26	NIL	1000	Planted by Orient Area in front of Hirakhand Bundia Mine in 0.8 Ha
Total	2,24,015		70.846

  
**Sub Area Manager,**  
**Orient Colliery Mine No.3**  
**Orient Sub Area, OA, MCL**


मुख्य प्रबंधक (खनन) उ.क्षेत्र  
 ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)  
 Chief Manager (Mining) S.A.M.  
 Orient Sub-Area (Orient Area)

**ANNEXURE B**  
**AMBIENT AIR QUALITY REPORT (April 2025 to September 2025)**  
**ORIENT COLLIERY U/G MINE NO.3**

Date	Monitoring Station	SPM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>
11.04.2025	Orient Mine No. 3	148	136	57	13.13	35.93
24.04.2025	Orient Mine No. 3	221	93	48	12.36	30.34
08.05.2025	Orient Mine No. 3	210	86	42	11.94	37.49
22.05.2025	Orient Mine No. 3	204	86	39	14.73	26.38
14.06.2025	Orient Mine No. 3	175	78	36	11.96	34.64
30.06.2025	Orient Mine No. 3	195	91	40	14.71	27.77
14.07.2025	Orient Mine No. 3	213	91	45	13.07	30.05
29.07.2025	Orient Mine No. 3	188	93	42	12.03	30.35
14.08.2025	Orient Mine No. 3	194	93	41	14.33	20.75
29.08.2025	Orient Mine No. 3	206	105	44	14.01	15.63
13.09.2025	Orient Mine No. 3	218	97	44	16.08	30.68
27.09.2025	Orient Mine No. 3	206	107	45	12.55	29.76
	MAX	221	136	57	16.08	37.49
	MIN	148	78	39	11.94	15.63
	PERMISSIBLE LIMIT	500	250	--	120	120

**ANNEXURE C**  
**NOISE LEVEL REPORT (April -2025 to September 2025)**  
**ORIENT COLLIERY U/G MINE NO.3**

Date of Sampling	Station	Noise level Measurement in Leq dB(A)	
		DAY	NIGHT
03.04.2025	Orient Mine No. 3	60.3	58.7
17.04.2025	Orient Mine No. 3	59.2	53.6
13.05.2025	Orient Mine No. 3	59.8	53.6
27.05.2025	Orient Mine No. 3	60.4	53.8
02.06.2025	Orient Mine No. 3	61.9	58.4
23.06.2025	Orient Mine No. 3	59.2	53.6
11.07.2025	Orient Mine No. 3	51.6	42.4
31.07.2025	Orient Mine No. 3	59.2	53.5
04.08.2025	Orient Mine No. 3	52.7	39.5
23.08.2025	Orient Mine No. 3	50.7	40.6
05.09.2025	Orient Mine No. 3	54.9	44.6
19.09.2025	Orient Mine No. 3	50.9	42.6
	MAX	61.9	58.7
	MIN	50.7	40.6
	PERMISSIBLE LIMIT	75	70


  
**Sub Area Manager,**  
**Orient Colliery Mine No.3**  
**Orient Sub Area, OA, MCL**  
 मुख्य प्रबंधक (खनन) उ.क्षे.प्र  
 ओरिएण्ट उप-क्षेत्र(ओरिएण्ट क्षेत्र)  
**Chief Manager (Mining) S.A.M.**  
**Orient Sub- Area (Orient Area)**

**ANNEXURE D**  
**EFFLUENT QUALITY REPORT (April 2025 to September 2025)**  
**ORIENT COLLIERY U/G MINE NO.3**  
**(Values are in mg/l except PH)**

Date of Sampling	Sampling Station	PH	OG	TSS	COD	BOD	NO <sub>3</sub> N
09.04.2025	Mine Sump of Mine No. 3	7.71	<4.0	21	12	--	---
25.04.2025	Mine Sump of Mine No. 3	7.48	<4.0	21	12	--	--
13.05.2025	Mine Sump of Mine No. 3	7.16	<4.0	22	16	--	--
27.05.2025	Mine Sump of Mine No. 3	7.99	<4.0	24	12	--	--
12.06.2025	Mine Sump of Mine No. 3	7.00	<4.0	19	20	--	--
27.06.2025	Mine Sump of Mine No. 3	6.91	<4.0	27	12	--	--
15.07.2025	Mine Sump of Mine No. 3	7.15	<4.0	23	20	--	--
31.07.2025	Mine Sump of Mine No. 3	7.10	<4.0	34	28	--	--
14.08.2025	Mine Sump of Mine No. 3	6.66	<4.0	17	12	--	--
30.08.2025	Mine Sump of Mine No. 3	7.17	<4.0	27	32	--	--
13.09.2025	Mine Sump of Mine No. 3	6.82	<4.0	26	16	--	--
27.09.2025	Mine Sump of Mine No. 3	6.76	<4.0	37	28	--	--
	MAX	7.99	<4.0	37	28	--	--
	MIN	6.66	<4.0	17	12	--	--
	PERMISSIBLE LIMIT	5.5-9.0	10	100	250	--	--

**ANNEXURE E**  
**WELL WATER LEVEL AND PIEZOMETER WATER LEVEL MONITORING**  
**FOR THE PERIOD APR'2025 TO SEPT'2025:**  
**ORIENT COLLIERY U/ G MINE NO.3**

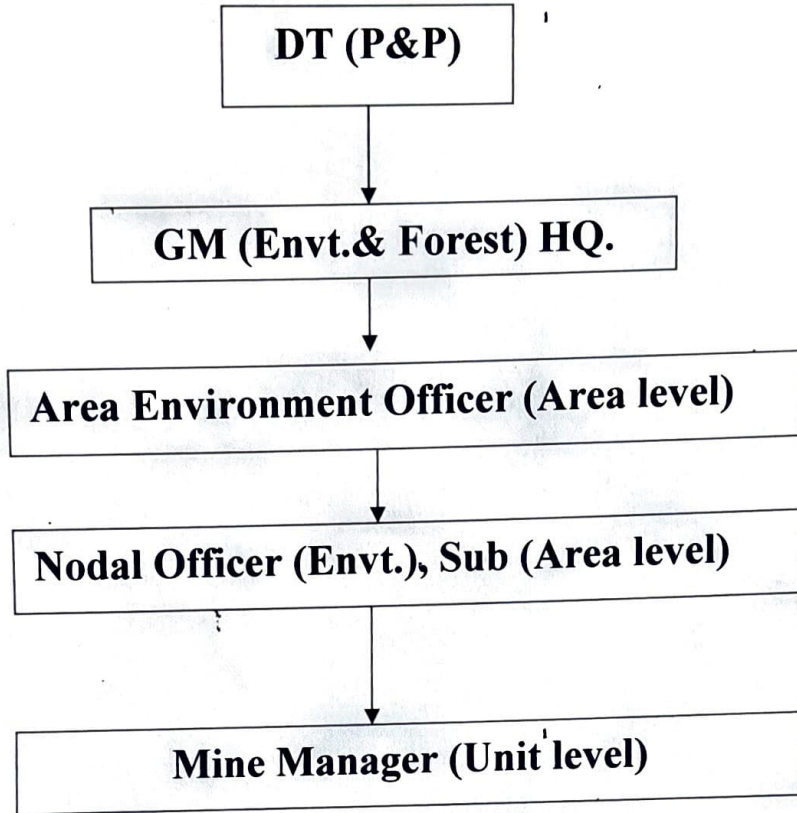
Date of sampling	Name of the station	Depth of Water Level ( in m. bgl)
May 2025	LAPANGA	3.0
May 2025	DHUBENLIPAL	6.4
May 2025	Piezometer No. MIP 05, Village Chauliberna, Inside Nusing School Campus	29
August 2025	LAPANGA	1.2
August 2025	DHUBENLIPAL	3.2
August 2025	Piezometer No. MIP 05, Village Chauliberna, Inside Nusing School Campus	22.05

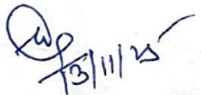
  
**Sub Area Manager,**  
**Orient Colliery Mine No. 3,**  
**Orient Sub Area,**  
**Orient Area, MCL**

मुख्य प्रबंधक (खनन) उ.क्षे.प्र  
 ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)  
 Chief Manager (Mining)/S. A. M.  
 Orient Sub- Area (Orient Area)

## Annexure A1

The Administrative Order of the company to deal with environmental issues:



*Tupam*   
13/11/25  
**Sub Area Manager,  
Orient Colliery Mine No.3  
Orient Sub Area  
Orient Area, MCL**

मुख्य प्रबंधक (खनन) उ.क्षे.प्र  
ओरिएण्ट उप-क्षेत्र (ओरिएण्ट क्षेत्र)  
**Chief Manager (Mining)/S.A.M.  
Orient Sub-Area (Orient Area)**