

नालको **NALCO**
NATIONAL ALUMINIUM COMPANY LIMITED
(A Government of India Enterprise)
COAL MINES DIVISION
S&P COMPLEX, Angul
EMAIL:: gm_uecb@nalcoindia.co.in

Ref No: NALCO/Coal Mines Division/1241 /2025

Date: 29.11.2025

To

The Deputy Director General of Forest
Integrated Regional Office
Ministry of Environment, Forest & Climate Change
Regional Office (EZ), A/3,
Chandrashekharapur, Bhubaneswar – 751023
Email: roez.bsr-mef@nic.in

Sub: Submission of Half Yearly EC Compliance Report of Utkal D and Utkal E Coal Mines of NALCO for the period of **Apr'25 to Sept'25**.

Ref: (i) Environment Clearance of Utkal D and Utkal E Coal Mine issued by MoEFCC vide letter no. J-11015-31-2007-IA-II-M dated 07.12.2024
(ii) Amended Environment Clearance of Utkal D and Utkal E Coal Mine issued by MoEFCC vide file no. J-11015-31-2007-IA-II-M dated 23.07.2025

Sir,

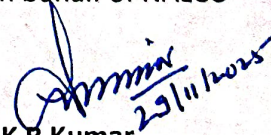
Inviting reference to the subject cited above, we are enclosing the Half Yearly EC Compliance Report for the period of **Apr'25 to Sept'25** for the conditions stipulated in Environment Clearance of Utkal D and Utkal E Coal Mines issued vide MOEFCC's letter no. 11015-313-2007-IA-II-M dated 07.12.2024 and amended Environment Clearance of Utkal D and Utkal E Coal Mine of NALCO issued by MoEFCC vide file no. J-11015-31-2007-IA-II-M dated 23.07.2025 for your kind consideration. The copy of the compliance report is also being sent in the soft copy through email for your kind perusal.

We wish to inform that all the necessary actions are being taken in compliance to the specific and general condition of Environment Clearance granted to Utkal D and Utkal E Coal Mines of NALCO.

We trust that the information furnished is in line with your requirement.

Thanking You,

Yours Faithfully,
For and on behalf of NALCO


K R Kumar
AGM (Environment)

Copy to:

1. AIG of Forest, Ministry of Environment Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110003 (email: monitoring-ec@nic.in)
2. Member Secretary, Central Pollution Control Board, Parivesh Bhawan', East Arjun Nagar, Shahdara, New Delhi – 110032 (email: mscb.cpcb@nic.in)
3. Zonal Office, Central Pollution Control Board, Southern Conclave, Block 502, 5th & 6th Floor, 1582 Rajdanga Main Road, Kolkata, WB – 700107 (email: rdkolkata.cpcb@gov.in)
4. Member Secretary, State Pollution Control Board, Parivesh Bhawan, A/118, Unit 8, Nilkantha Nagar, Nayapalli, Bhubaneswar, Odisha – 751012 (email: paribesh1@ospcboard.org)
5. Regional Officer, State Pollution Control Board, S-3/3, Industrial Estate, Hakimpada, Angul, Odisha (email: rospcb.angul@ospcboard.org)



HALF YEARLY COMPLIANCE REPORT
(APRIL 2025 TO SEPTEMBER 2025)

For

Utkal D & Utkal E Coal Mines
At. Tehsil Chhendipada,
District Angul, Odisha

of

National Aluminium Company Limited
(NALCO)

Half Yearly EC Compliances Report

Utkal D & Utkal E Coal Mines

MOEFCC File No. J-11015-31-2007-IA-II-M dated 07.12.2024

A. Specific Conditions

S. No	Conditions	Compliance Status / Remark
1.1	No mining operations shall be undertaken in Forest land, until Stage – II forestry clearance for 13 Ha has been obtained under the provisions of Van (Sanrakshan Evam Samvardhan) Adhiniyam, Act 1980.	Complied. Stage – II forestry clearance for 13 Ha has been obtained on 25.02.2025 under the provisions of Van (Sanrakshan Evam Samvardhan) Adhiniyam, Act 1980 from MoEFCC vide file no. FP/OR/MIN/QRY/456337/2023.
1.2	Mining in Utkal E block may be started after grant of EC in a way that the nallah is diverted only after completion of Nallah diversion study covering the impact on biodiversity by the proponent and PP shall ensure the submission of same to RO, Bhubaneshwar, and MoEFCC, New Delhi. Compliance to the recommendation of the study report shall be submitted to the concerned Regional Office along with the six monthly compliance report and also be uploaded on the web portal of the company.	Complied. EC for Utkal D and Utkal E coal mine was already obtained from MoEFCC on 07.12.2024. Study on “Impact on Biodiversity due to Nallah diversion” was already and submitted to IRO MoEFCC Bhubaneswar vide our letter no. NALCO/Coal Mine Division/514/2025 dated 26.05.2025. (Annexure 1) .
1.3	Project proponent shall complete the commissioning of ETP, construction of garland drain and retention wall in Utkal D block by 15 Nov 2024. Compliance status in this regard shall be submitted to the concerned Regional Office along with the six monthly compliance report and also be uploaded on the web portal of the company.	Complied. Commissioning of ETP, construction of garland drain and retention wall was already completed. We will continue to submit the compliance status to the concerned Regional Office along with the six monthly compliance report and will also be uploaded on the website of NALCO.  Effluent Treatment Plant  Garland Drain

S. No	Conditions	Compliance Status / Remark
		 Retaining Wall
1.4	Pre-mining survey on the Social-economic status of the local communities based on the UNHDR report shall be submitted to the concerned Regional Office of the Ministry before commissioning of mines. Compliance status in this regard shall be submitted to the concerned Regional Office along with the six monthly compliance report and also be uploaded on the web portal of the company.	Complied. Pre-mining survey on the Social-economic status of the local communities based on the UNHDR report was submitted vide letter no. NALCO/Coal Mine Division/496/2025 dated 21.05.2025 to the concerned Regional Office of the Ministry. Copy of the letter is enclosed as Annexure 2.
1.5	No underground mining is permitted as committed.	Noted. No underground mining will be done.
1.6	Project proponent shall ensure that operationalization of Kerjanga Railway Siding by July, 2025 to reduce the coal transportation by road (19 km distance).	The stipulated condition has been revised, and the validity period has been extended until December 2026 as per the amended Environmental Clearance (EC) of Utkal D and Utkal E Coal Mine issued by MoEFCC vide file no. J-11015-31-2007-IA-II-M dated 23.07.2025. Construction of the San-Kerejanga Railway Siding is currently in progress. After commissioning of Railway siding, coal transportation by road will reduce by 19 km distance.  Construction of Retaining wall at Railway Siding  Laying of Track at Railway Siding

S. No	Conditions	Compliance Status / Remark
		 Construction of Building at Railway Siding
1.7	PP shall carry out concurrent plantation in 376.666 Ha (305.990 Ha of waste dump; 57.34 Ha of safety zone and 13.336 Ha other area). The green belt and plantation plan submitted in the EIA/EMP shall be implemented in a time-bound manner. A survival rate of at least 80% shall be maintained by carrying out gap plantation in case of mortality. Native species should be planted. The budget earmarked for the plantation shall be kept in a separate account. PP should annually submit the audited statement of expenditure along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC and on PARIVESH Portal as the case may be for the activities carried out during previous year.	Plantation work is currently under progress as per the green belt and plantation plan submitted in the EIA/EMP report. Total 24,542 nos. of trees were planted till September 2025 within the mine premises. Survival rate more than 91% is being maintained by carrying out gap plantation in case of mortality. Native species are being given preferences for plantation. Separate budget is earmarked for the plantation purpose. Annual audit statement of expenditure along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC will be submitted after completion of 1 year. And same will be uploaded on PARIVESH Portal as the case may be for the activities carried out during previous year.  Plantation Behind Environment Laboratory

S. No	Conditions	Compliance Status / Remark
		 Plantation near STP  Plantation behind family quarter  Plantation in Safety zone area

S. No	Conditions	Compliance Status / Remark
1.8	The plantations done by the PP need to be adequately densified and audited by a third party preferably a forestry institution of MoEFCC (e.g. ICFRE) to assess their efficacy.	Noted. Gap plantation is being carried out to adequately densify the plantation. We are in process of carrying out third party audit preferably from a forestry institution of MoEFCC (e.g. ICFRE) to assess their efficacy.
1.9	The budget proposed to address the issues raised during PH is Rs. 27.45 crores for 3 years. Compliance status in this regard shall be submitted to the concerned Regional Office along with the six monthly compliance report and also be uploaded on the web portal of the company.	Noted. The plan for issues raised during PH is currently under progress at various stages. Compliance status in this regard will be submitted to the concerned Regional Office and will be uploaded in the web portal of the company.
1.10	PP shall provide regular health monitoring services and health services free of cost to people living in 10 km radius.	Regular health monitoring services is being carried out free of cost to locals living within 10 km radius of mine premises. Besides this, we are also providing ambulance facility, if required, to nearby villagers.
1.11	PP shall implement the protective measures proposed in EMP in a time-bound manner. The budget earmarked for the same is Rs. 231.16 crores (Capital) and Rs. 102.22 crores (recurring) and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.	We have already implemented protective measures proposed in EMP for controlling the fugitive dust emission, air, water and noise pollution. Separate budget for the same is earmarked and will be audited annually. The implementation status along with the amount spent with documentary proof will be submitted to the concerned Regional Office for the activities carried out during the previous year. Annexure 3
1.12	PP shall implement the recommendation of the Wildlife Conservation Plan and also during mining ensure to protect the wildlife. Necessary training/awareness program shall be conducted for the same from time to time.	Site Specific Wildlife Conservation Plan for Utkal D & Utkal E was already prepared and currently under review by Forest Office. Necessary training/awareness program are being conducted for working personals.
1.13	PP shall strengthen in house environment management unit.	Yes, we have established Environment Management Cell with Technical Qualified Personals to take care of day-to-day Environment Management activities of Coal Mine.
1.14	PP shall ensure that No OB dumping is done outside the mine lease area.	Noted. All generated OB is being dumped at designated location within mine lease area as per approved mining plan.
1.15	PP shall submit an action plan for using and developing Renewable Energy for its consumption in its utilities/ machinery/ equipment instead of using electricity from Grid/generated from Thermal Power Plants. PP shall install solar power generation units. Compliance status in this regard shall be submitted to the concerned Regional Office along with the six monthly compliance report and also be uploaded on the web portal of the company.	Building construction is going on within the mine premises, we are in process of installing solar panels as renewable source of energy once it completed. Action plan in this regard is currently under progress. Compliance status in this regard will be submitted to concerned regional office along with six monthly compliance report and also will be uploaded to website of NALCO.
1.16	PP shall minimize mine voids in the post mining phase so that maximum area post mining is under green belt or agriculture/ grazing land.	Noted. We will ensure minimum mine void in post mining phase.
1.17	PP shall obtain a 5-star rating in terms of Environment Compliance from the Ministry of Coal as per the rating system implemented by the Ministry of Coal.	In the financial year 2024-25, Utkal D and Utkal E Coal Mine was awarded with 3-star rating in terms of Environment Compliance from the Ministry of Coal as per the rating system implemented by the Ministry of Coal.

S. No	Conditions	Compliance Status / Remark
1.18	PP shall ensure that all types of plastic waste generated from the mines shall be stored separately in isolated areas and disposed of strictly adhering to the Plastic Waste Management Rules 2016. In pursuant to the Ministry's OM dated 18/07/2022, PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of the Ministry's Notification published by the Ministry on 12/08/2021. A report along with the photographs of the measures taken shall also be included in the six monthly compliance reports being submitted by PP.	Noted. This is a coal mining project and no plastic is being consumed any activities. However, in case any plastic waste will generate then it will be collected and stored separately in designated areas and disposed of strictly adhering to the Plastic Waste Management Rules 2016. Single use plastic (SUP) is totally banned inside the mine premises. We are also creating awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP).
1.19	NOC from Central Ground Water Authority (CGWA)/ concerned local authority, as the case may be, shall be obtained before drawing the groundwater for the project activities, state pollution control board/pollution control committees shall not issue the consent to operate (CTO) under Air (prevention and control of Pollution) Act and Water (Air (prevention and control of Pollution) Act till the project proponent shall obtain such permission.	We have already obtained No Objection Certificates (NOCs) from the Central Ground Water Authority (CGWA) for groundwater abstraction for the standalone Utkal D and Utkal E coal mines. Additionally, we have submitted an application to CGWA for a combined NOC for groundwater withdrawal pertaining to the amalgamated Utkal D and Utkal E coal mine.
1.20	PP shall expedite the process of settlements and provide compensation to project affected families.	Noted. Settlement of Utkal D already completed and that of Utkal E is currently under progress through District Administration.
1.21	PP shall review the outcome of the skill development programs whether it is providing any benefit or not, and whether it helps the community in getting job/livelihood opportunities. PP shall align the activities as per the present-day needs. A report in this regard shall be submitted to the concerned RO within 6 months.	We are planning for the skill development program for the local communities which will help them in getting job/livelihood opportunities. We will align the activities as per the present-day needs. A report in this regard will be submitted to the concerned RO in coming period.
1.22	PP shall install water meters at all intake points and take specific measures for reduction in water consumption and generation of alternative source of water through rainwater harvesting measures. Water audit needs to be done every year by a reputed institute for further reduction of water consumption and PP shall implement its recommendations and submit a report to RO annually.	Complied. We have already installed water flowmeters in all intake points. We are also taking various steps to reduce water consumption in mine premises. We have also developed Rain Water Harvesting Pond for alternative source of water. A water audit has already been conducted during the current financial year by a certified water auditor, Bharat Envirotech. The audit report is currently awaited. Upon receipt, the recommendations provided in the report will be implemented to further reduce water consumption, and the report will be submitted to the Regional Office (RO) accordingly.

S. No	Conditions	Compliance Status / Remark
		 Rain Water Harvesting Pond
1.23	Project proponent shall follow all necessary precautions to be adopted as suggested in approved Mining Plan of Utkal D&E Coal Mine while mining in common safety zone area.	Agreed. All necessary precautions as suggested in approved Mining Plan of Utkal D&E Coal Mine will be adopted while mining in common safety zone area.
1.24	Four numbers of Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants from the flue gases such as PM ₁₀ , PM _{2.5} , SO ₂ , NO _x within the lease area in consultation with OSPCB. The monitoring of other locations (at least three locations outside the lease area covering upwind and downwind directions at an angle of 120° each) shall be carried out manually.	Installation of 4 nos of CAAQMS will be done in both core and buffer zone in phased wise manner to monitor common/criteria pollutants from the flue gases such as PM₁₀, PM_{2.5}, SO₂, NO_x. A letter was sent to OSPCB vide no. NALCO/Coal Mine Division/513/2025 dated 26.05.2025 and NALCO/Coal Mine Division/1227/2025 dated 24.11.2025 (Annexure 4) has been sent to Regional Officer SPCB Angul for review and approval of CAAQMS location. Currently, manual monitoring is being carried out at 8 locations both in core and buffer zone through NABL accredited laboratory. Monitoring locations was selected in all four directions covering upwind and downwind.
1.25	PP shall ensure that diesel operated vehicles will be switched over to E-Vehicles in a time bound manner, replace the passenger vehicles to E-vehicle in phased manner. Further, for local movement of officials Contract of Vehicles deployment shall be awarded to Project affected people and all efforts for adopting heavy E-vehicles like Bulkers for ash transportation for short distance subject to availability of such E-vehicle and adequate charging infrastructure in the surrounding area shall be provided. PP shall submit the action taken report to concerned RO with amount spent, photographs (before & after), number of e-vehicles deployed etc. in six monthly compliance report.	Presently diesel operated vehicles are being used within the mine premises for mining activities. We are in process of replacing diesel vehicle with e-vehicle in coming period in phase wise manner.
1.26	Digital processing of the entire lease shall be through remote sensing techniques should be done regularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional Office at Bhubaneswar.	Mining activities started on date 09.11.2022. Digital processing of the entire lease area using remote sensing techniques of Land use pattern study was carried out and its reports submitted vide our Letter No. NBC/ED(P&T)/1819 dated 09.05.2024 to MoEFCC and its Regional Office at Bhubaneswar.

S. No	Conditions	Compliance Status / Remark
1.27	R&R shall be not less than the norms prescribed in National R&R Policy 2007/State R&R Policy/NALCO Policy whichever is higher.	R&R compensation as per the policy of Govt. of Odisha and consultation with the PDFs in RPDAC already been approved and disbursed to the affected families.
1.28	PP is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Green belt development. The action in this regard shall be submitted concerned RO in six monthly report.	Noted. We have already implemented the campaign "Ek Ped Maa Ke Naam" in our mine. A plantation drive was also carried out under the banner of "Ek Ped Maa Ke Naam" in our mine. And the same will continue further.   
1.29	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to their mining activities and	Agreed.

S. No	Conditions	Compliance Status / Remark
	restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.	
1.	Statutory Compliance	
1.1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Complied. Stage I and Stage II Forest approvals were already obtained for Utkal D & Utkal E Coal mine from MoEFCC vide Letter No. FP/OR/REDIV/456767/2023 dated 27.02.2025 for 299.6979 ha and letter no. FP/OR/MIN/QRY/456337/2023 dated 25.02.2025 for 13 ha forest land.
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable.
1.3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).	NALCO has already submitted Site Specific Wildlife Conservation Plan of standalone Utkal D and Utkal E Coal Mine to Regional Office, MoEFCC. Subsequently, combined Site Specific Wildlife Conservation Plan for Utkal D & Utkal E was already prepared and currently under review by Forest Office.
1.4	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Complied. Consent to Establish & Consent to Operate under the provisions of Air Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 from the Odisha State Pollution Control Board was already obtained from SPCB vide letter no. 20216/IND-II-CTE/7356 dated 09.12.2024 and letter no. 14291/IND-I-CON-7003 dated 29.07.2025.
1.5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	We have already obtained No Objection Certificates (NOCs) from the Central Ground Water Authority (CGWA), New Delhi, for groundwater withdrawal for the standalone Utkal D and Utkal E coal mines. Additionally, an application has been submitted to CGWA for obtaining a combined NOC for groundwater withdrawal for the amalgamated Utkal D and Utkal E coal mine.
1.6	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.	Agreed. Solid/hazardous waste generated in the mines are handled in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
2.	Air Quality Monitoring And Mitigation Measure	
2.1	Continuous ambient air quality monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM ₁₀ , PM _{2.5} , SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical	Installation of 4 nos of CAAQMS will be done in both core and buffer zone in phased wise manner to monitor common/criteria pollutants from the flue gases such as PM ₁₀ , PM _{2.5} , SO ₂ , NO _x . A letter was sent to OSPCB vide no. NALCO/Coal Mine Division/513/2025 dated 26.05.2025 and

S. No	Conditions	Compliance Status / Remark
	features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.	NALCO/Coal Mine Division/1227/2025 dated 24.11.2025 (Annexure 4) has been sent to Regional Officer SPCB Angul for review and approval of CAAQMS location. Location was decided based on the meteorological data, topographical features and environmentally and ecologically sensitive area. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc are being carried out by NABL accredited laboratory. Monitoring report is being submitted periodically. Last report was submitted vide letter No. NALCO/Coal Mine Division/1131/2025 dated 03.11.2025 to IRO MOEFCC, MOEFCC New Delhi, CPCB New Delhi, CPCB Kolkata, SPCB Bhubaneswar and SPCB Angul. (Annexure 5)
2.2	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	Agreed. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc are being carried out by NABL accredited laboratory. Monitoring report is being submitted periodically. Last report was submitted vide letter no. NALCO/Coal Mine Division/1131/2025 dated 03.11.2025 (Annexure 5) to IRO MOEFCC, MOEFCC New Delhi, CPCB New Delhi, CPCB Kolkata, SPCB Bhubaneswar and SPCB Angul.
2.3	Transportation of coal, to the extent, if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun/Fog cannon etc. shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	Agreed. Coal transportation vehicles are optimally loaded and covered with tarpaulins to prevent spillage and minimize dust emissions during transit. To control fugitive dust emissions within the mine area, comprehensive water spraying arrangements have been implemented. These include coverage of haul roads, dumping areas, stockyards, and truck loading/unloading points. The dust suppression system comprises 9 water sprinkling tankers (with capacities of 14 KL and 28 KL), 2 mist cannons (each with a capacity of 12 KL), and 20 rain guns. Additionally, a 10-meter-high wind screen has been installed around the coal stockyard to further control fugitive emissions and improve air quality management in the area.  Loaded truck with tarpaulin cover

S. No	Conditions	Compliance Status / Remark
		 Water Sprinkling for dust suppression  Truck mounted mist cannon  High pressure rain gun  Wind barrier around coal stock yard
2.4	The transportation of coal shall be carried out as per the provisions and route envisaged in the Approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	The transportation of coal is being carried out as per the provisions and route envisaged in the approved Mining Plan. Dedicated road corridor as identified in mining plan is being use to connect nearest State Highway and further by NH for transportation of coal to CPP.

S. No	Conditions	Compliance Status / Remark
2.5	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	Agreed. Regular maintenance of mining equipment are being done to control the vehicular emissions. Truck/dumpers used for transportation of coal are being monitored regularly for availability PUC certificate from the authorized pollution testing centres.
2.6	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	The coal stockpile area is equipped with wind barriers and a water sprinkling system to control fugitive dust emissions. In addition, two fog cannon mounted on a water tankers are deployed at the coal stockpile for enhanced dust suppression. At present, no conveyor belt system has been installed at the mine; however, appropriate dust control measures will be implemented once the conveyor becomes operational. Drilling activities are being carried out using wet-operated drill machines to minimize dust generation at the source. 20 nos of high pressure rain guns are provided all around the coal stock yard to control of fugitive dust emission. Apart from this, 9 nos of water sprinkling tankers of capacity 14 & 28 KL tankers and 02 nos mist cannon of capacity 12 KL each are used for controlling the fugitive dust emission from coal stock yard. Apart from this 10 m height wind screen is also provided around coal stock yard to control the fugitive emission.  High pressure rain gun  Water Sprinkling for dust suppression

S. No	Conditions	Compliance Status / Remark
		 Water Sprinkling for dust suppression  Truck mounted mist cannon  Wind barrier around coal stock yard
2.7	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.	Currently, No Coal Handling Plant is installed in the mine. The same will be followed once it gets installed.
3.	Water Quality Monitoring And Mitigation Measures	
3.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.	Agreed.

S. No	Conditions	Compliance Status / Remark
3.2	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Complied. The monitoring data and compliance report has been uploaded in the website of NALCO (https://nalcoindia.com/sustainability/environment-status/environment-status-coal-mines/). Also the same is displayed at the main gate of coal mine.  Display Board at main gate of mine
3.3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.	Regular monitoring of ground water level and quality is being done. Construction of bore well and installation of piezometers and automatic flow meters has been done. Water quality and ground water level data is being monitored and same is being submitted to SPCB, CPCB and MoEFCC. Last Monitoring Report for Monsoon season was submitted vide letter no. NALCO/Coal Mines Division/1007/2025 dated 26.09.2025. Copy of report enclosed as Annexure 6.
3.4	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	Monitoring of Water Quality of nallah, settling pond is being carried out by NABL accredited laboratory. Analysis report is being submitted to HO and regional office of MoEFCC, CPCB and SPCB. Copy of report enclosed as Annexure 6.
3.5	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	Agreed. Treated waste water from mine pit is being used for various mining operation. Rain water harvesting pond connected with building roof top is available for conservation and augmentation of ground water resources.  Rain water harvesting pond

S. No	Conditions	Compliance Status / Remark
3.6	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.	The appropriate size of catch drain around the OB dumps has been constructed to arrest silt and sediments flow from soil, OB and mineral dumps. The collected water is being utilized for sprinkling on haul roads and green belt development. The drain is being regularly desilted and maintained properly. The garland drains of width 2.5m with 60:1 gradient and 2.3 km length has been constructed till date. Capacity of sump is designed for 24,500 KL by keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Retention period of two days is provided to allow proper settling of silt material.  Settling Pond
3.7	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).	Rain water harvesting pond connected with building roof top is available for conservation and augmentation of ground water resources. Water tankers are available to meet the water requirement of nearby villages after due treatment, if any required.  Rain water harvesting pond
3.8	Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules	Complied. ETP of 5 KLD capacity is being used E for treatment of waste water.

S. No	Conditions	Compliance Status / Remark
	made there under, and as amended from time to time. Adequate ETP /STP needs to be provided.	 Effluent Treatment Plant
3.9	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.	Waste water collected from mines area is being collected in de-silted pond for treatment. This water is being used for various mining activities such as sprinkling on road, dust suppression, plantation etc. Periodic cleaning of drains is being carried out especially before and after monsoon season.
3.10	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.	The appropriate size of catch drain around the OB dumps has been constructed as per mining plan/EIA to arrest silt and sediments flow from top soil, OB dump and coal stock yard. The garland drains of width 2.5m with 60:1 gradient and 2.3 km length has been constructed along with retaining wall. The collected water is being channelized to settling pond for treatment and then utilized for sprinkling on haul roads and green belt development. Capacity of sump is designed for 24,500 KL by keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area. Retention period of two days is provided to allow proper settling of silt material. The drain is being regularly de silted and maintained properly. Prior permission was already taken for diversion of natural nallah available in mine lease area.  Garland drain

S. No	Conditions	Compliance Status / Remark
		 Settling Pond  Retaining Wall
3.11	The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.	Study towards conservation and management of riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km is under progress. After completion of the study, suggested management plan will be implemented in consultation with the irrigation / water resource department, GoO.
4.	Noise And Vibration Monitoring And Prevention	
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	Adequate measures are taken to control the noise levels below 85 dB(A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM etc are provided with ear plugs/muffs. New machineries are being used in mines to reduce noise generation from vehicle engine. A well experience maintenance team with mobile maintenance van is engaged for maintenance of mining equipment and timely maintenance is being done to reduce noise from vehicles.
4.2	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	Controlled blasting is being done with use of delay detonators and only during day time. Required mitigative measures are being adopted to control the ground vibrations and to arrest the flying rocks and boulders.
4.3	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine	Monthly ambient noise monitoring as well as work place noise monitoring is being carried out by NABL accredited laboratory. Six monthly

S. No	Conditions	Compliance Status / Remark
	premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	monitoring report is being submitted to HO and regional office of MOEFCC, CPCB and SPCB. Last report was submitted vide letter no. NALCO/Coal Mine Division/1105/2025 dated 23.10.2025 (Annexure 6).
5.	Mining Plan	
5.1	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Agreed. Mining activity is being carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.2	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	Agreed. Mining is being carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
5.3	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	The mining operation is being strictly carried out only after obtaining forestry clearance as per Forest (Conservation) Act, 1980.
5.4	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	Agreed.
6.	Land Reclamation	
6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	Mining activities in Utkal D started on date 09.11.2022. Digital processing of the entire lease area using remote sensing techniques of Land use pattern study was carried out and its reports submitted vide our Letter No. NBC/ED(P&T)/1819 dated 09.05.2024 to MoEFCC New Delhi and its Regional Office at Bhubaneswar.
6.2	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Postmining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	Agreed.
6.3	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the “during mining”/“post mining” land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.	Agreed. Currently mining is in its initial phase and closure activity not yet started as per mining plan. All necessary steps will be taken for mine closure activity as suggested in approved mining plan.
6.4	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide	Agreed. Currently mining is in its initial phase and closure activity not yet started as per mining plan. All necessary steps will be taken for mine closure activity as suggested in approved mining plan.

S. No	Conditions	Compliance Status / Remark
	SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	Feasibility will be explored for use of fly ash for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time.
6.5	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.	Agreed. Currently mining is in its initial phase and closure activity not yet started as per mining plan. All necessary steps will be taken for mine closure activity as suggested in approved mining plan. The excavated top soil has been stacked with terracing method and proper slope and height is being maintained at earmarked site as per approved Mining Plan. Garland drainage also been constructed around the top soil storage area for rain water drainage and for top soil protection. In future top soil will be used for reclamation and development of greenbelt. Active OB dumps are stabilised with native grass species to prevent erosion and surface run off. Overburden dumps will be vegetated with native flora species. The excavated area will be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas will continue until the vegetation becomes self-sustaining. Compliance status in this regard will be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.  OB Dump
6.6	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	This condition is being complied.
7.	Green Belt	
7.1	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic	No endangered species is found in the study area. However, if any endangered species is found in study area then program for conservation of the

S. No	Conditions	Compliance Status / Remark
	flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	endangered species will be formulated and implemented in consultation with the concerned Department in the State Government. Separate funds will be earmarked for implementation of the various activities thereunder and the status thereof will be regularly reported to MOEFCC and its Regional Office at Bhubaneswar.
7.2	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads. And Plantation should also be carried out in nearby area with consent of forest department and gram panchayat within 10 km radius with its proper maintenance.	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m is being developed all along the mine lease area. Native species plants are given priority for plantation activity. Plantation is being done in safety zone, approach roads and other mining lease areas. Periodic inspection / visit of forest officials are also being done. Plantation work is ongoing in phased manner. Total 24542 nos of plantation done till September 2025.  Plantation in Safety Zone  Plantation in Coal transportation route  Plantation near STP
8.	Public Hearing And Human Health Issues	
8.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored	Adequate illumination is being provided in all mine location (as per DGMS standards) and is being

S. No	Conditions	Compliance Status / Remark
	weekly. The report on the same shall be submitted to this ministry & it's RO on six monthly basis.	monitored on monthly basis. Now the monitoring is being carried out on weekly basis.
8.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	Periodically medical examinations are being carried out by medical officer for all employees of mines to detect any contractions due to exposure to dust and noise and to take corrective measures, if required. Record is also being maintained as per the provisions of the Mines Rules, 1955 and DGMS circulars Record is also being maintained as per the provisions of the Mines Rules, 1955 and DGMS circulars and is enclosed as Annexure 7.  Periodic Medical Examination
8.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	PPE are provided to all employees of mine to protect them from dust and noise. Prior training is being imparted to all working employees on job, safety and health aspects. Periodic re-fresher training is also being done for employees working inside the mine.  Health awareness Training to workers  Training inside mine premises
8.4	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action	Issues raised in public hearing are being addressed. R&R compensation as per the policy of Govt. of Odisha and consultation with the PAFs

S. No	Conditions	Compliance Status / Remark
	plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.	and PDFs in RPDAC already been approved and disbursed to the affected families.
8.5	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.	No endangered species is found in the study area. However, if any endangered species is found in study area, then program for conservation of the endangered species will be formulated and implemented in consultation with the concerned Department in the State Government.
9.	Corporate Environment Responsibility	
9.1	The project proponent shall comply with the provisions contained in this Ministry's OM dated 30/09/2020, as applicable, regarding Corporate Environment Responsibility.	Agreed.
9.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/ or shareholder's/stake holders.	NALCO already has Environment policy duly approved by CMD.
9.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	A separate environmental management cell has already setup vide NALCO order no. NALCO/Coal Mines Division/336/2024 dated 11.07.2023 with suitable qualified personnel under the control of a Senior Executive, who is reporting directly to the Head of the company.
9.4	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Agreed.
9.5	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed.
10.	Miscellaneous	
10.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or	Complied. Environment Clearance of Utkal D & Utkal E Coal Mine was advertised in English newspaper "The Statesman" on 07.02.2025, Hindi newspaper "Sanmarg" on 07.02.2025 and Odia

S. No	Conditions	Compliance Status / Remark
	State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	newspaper "Samaya" 08.02.2025. Copy of newspapers are enclosed as Annexure 8 .
10.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. The copies of the environmental clearance have been already submitted to Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. Copy of letter enclosed as Annexure 9 .
10.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. Compliance status of the stipulated environment clearance conditions along with monitoring results has been uploaded in the website of NALCO (https://nalcoindia.com/sustainability/environment-status/environment-status-coal-mines/). These documents are updated on half yearly basis.
10.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Periodic monitoring of ambient air quality parameters such as PM₁₀, PM_{2.5}, SO₂, and NO_x is being carried out by an NABL-accredited laboratory. The monitoring data are displayed at the main gate for public disclosure and are also made available on the company's website (https://nalcoindia.com/sustainability/environment-status/environment-status-coal-mines/).  Display board at main gate
10.5	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Six monthly compliance report is being submitted to HO & RO of MoEFCC, CPCB, SPCB and also uploading the compliance in website of MoEFCC. The last six-monthly compliance report was submitted vide letter no. NALCO/Coal Mines Division/525/2025 dated 29.05.2025 for Utkal D and Utkal E Coal Mine.
10.6	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.	Agreed.

S. No	Conditions	Compliance Status / Remark
10.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied. Last Environmental Statement for this financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently was submitted vide letter no. NALCO/Coal Mines Division/1005/2025 dated 26.09.2025 (Annexure 10). Copy of Environment Statement is also available in NALCO website (https://nalcoindia.com/sustainability/environment-status/environment-status-coal-mines/).
10.8	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Regional office of MOEFCC was intimated regarding commencement of mining operations vide no. NALCO/Coal Mine Division/163/2025 dated 17.02.2025 (Annexure 11).
10.9	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed.
10.10	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Agreed.
10.11	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	Agreed. Any expansion or modifications in the mine will be carried out only after prior approval of the Ministry of Environment, Forests and Climate Change.
10.12	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
10.13	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
10.14	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
10.15	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Agreed.
10.16	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability	Agreed.

S. No	Conditions	Compliance Status / Remark
	Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	

Half Yearly EC Compliances Report

Utkal D & Utkal E Coal Mines

MOEFCC File No. (Amended) J-11015-31-2007-IA-II-M dated 23.07.2025

Additional specific conditions		
S. No.	Conditions	Compliance status/Remark
1.1	Project proponent shall carryout the plantation with the saplings of native species of not less than 2-meter height, on both the sides of the coal transportation route in consent with the highway authorities (wherever required). Along with this, PP shall also carry out the community plantation within the Angul town with fruit bearing species and ensure the survival of the same. This plantation shall be carried out in Monsoon 2025 itself and compliance of the same shall be submitted to the Ministry's RO along with the six – monthly compliance report.	We are discussing with Forest office and OFDC for plantation on both the sides of the coal transportation route and Angul town. However plant along the coal transportation route within mine and outside mine upto SH 63 is currently under progress by Forest Department.
1.2	Project proponent shall carryout regular maintenance of the potholes on roads, repair and maintenance of roads, scrapping of material fallen on roads, and removal of scraps from mining areas. Along with this, PP shall make sure that all the pollution control equipments are in good working condition and maintenance of those equipments is regularly carried out.	Maintenance of the potholes on roads, repair and maintenance of roads, scrapping of material fallen on roads, and removal of scraps from mining areas is being carried out on regular basis. Regular maintenance of pollution control equipment are being carried out regularly.
1.3	Project proponent shall explore the possibility to install solar power panels of atleast 2.0 MW to illuminate haul roads, workshop area, settling pond, site office, laboratories, residential area, shopping complex area, school, hospital, administrative buildings etc. and the same shall be implemented within 1 year from the date of grant of EC amendment.	We are in process of installing solar power panels at Utkal D and Utkal E Coal Mine. Initial site selection and survey work completed. Discussion with supplier is currently under progress.
1.4	Ambient Air Quality (AAQ) and Noise quality data along the entire coal transportation route shall be monitored and the data shall be submitted along with the six-monthly compliance to the concerned Regional Office and also kept on the web portal of the company.	Ambient Air Quality (AAQ) and Noise quality monitoring is being carried out along the coal transportation route by NABL accredited laboratory and monitoring data is being submitted to OSPCB regularly. Annexure 12.
1.5	All the recommendations made in the Traffic Assessment Study Report regarding coal transportation by road shall be strictly adhered with.	Agreed.

PHOTOGRAPH OF UTKAL-D & Utkal E COAL MINES

Garland Drain



OB Dump



High Pressure Rain Gun



Wind Screen around Coal Stock Yard (10 M height & 500 M lang)



Water Sprinkling



Mist Cannon



Surface Miner with Water Sprinkling Facility



Wet Drilling Machine



Full Body Truck Washing & Wheel Washing Station



Nallah Diversion



Nallah Embankment



Transportation



Plantation







