



सत्यमेव जयते

# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY ODISHA, BHUBANESWAR

(Constituted under the EP Act, 1986 and EIA Notification, 2006 by the MoEF & CC, Govt. of India)  
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Letter No 2876/SEIAA

Dt. 24.09.2021

**SEIAA File No: 21544/24-MINB1/08-2020**

To

The Project officer (T&H/D),  
Talcher Colliery/kakudi & Kishoripal Sand Mine,  
Office of the Project officer(T&H/D),  
Talcher Colliery,  
At/Po- Dera, Dist- Angul, Pin-759103

Sub: Proposal of environmental clearance for Kakudi and Kishoripal Sand Mines over an area 41.885 Ha. in village-Kakudi and Kishoripal, under Tahasil-Talcher, Dist-Angul of M/s. Mahanadi Coalfields Limited (MCL) - environmental clearance regarding.

Ref: Your online application dated 07.08.2020 for issue of EC vide File No: SIA/OR/MIN/21544/2014.

Sir,

This has reference to your online application seeking environmental clearance of the Sand Mining project proposal for for Kakudi and Kishoripal Sand Mines over an area 41.885 Ha. in village-Kakudi and Kishoripal, under Tahasil-Talcher, Dist-Angul. The proposal falls in the category 1(a) of the schedule of EIA Notification, 2006 as amended from time to time. The proposal has been appraised on the basis of the documents enclosed with the application, such as form-1, form-2, prefeasibility report, approved mining plan, final EIA /EMP, public hearing proceedings and clarifications furnished to SEAC in response to their observations.

### **Background:**

1. This is a proposal of Environmental Clearance for Kakudi and Kishoripal Sand Mines over an area 41.885 Ha. Located in village-Kakudi and Kishoripal, under Tahasil-Talcher, Dist-Angul of M/s. Mahanadi Coalfields Limited (MCL).
2. Kakudi & Kishoripal Sand Mine is an existing sand mine project located in the river bed of Brahmani at village Kakudi and Kishoripal, Angul district, Odisha. The sand from this mine was mined between 1991-92 to 2003-04. This sand mine has leasehold area of 41.885 Ha & existing annual production capacity of 0.25 Million Cum per annum.

3. The TOR granted from MoEF & CC, New Delhi vide No. J-11015/33/2015-IA.II(M) on 17.04.2015.
4. The sand mining lease had been granted by Govt. of Odisha from 14.11.1990 to 14.11.2010, afterwards it was extended upto 31.03.2020 and now it has been further extended upto 13.11.2040.
5. Mining Plan had been approved by Ministry of Coal vide letter no.34012/(4)/2011-CPAM, dt: 21.08.2013.
6. The sand from this mine is required for stabilization purpose at one operating mine i.e. Nandira Colliery and three discontinued mines viz. Deulbera, Handidhua and Talcher collieries.
7. As per the directives of DGMS, stabilization is to be done at identified underground workings of Deulbera & Handidhua Colliery at the earliest for ensuring the safety of Talcher town as a whole.
8. The mining lease area is located in Village - Kakudi and Kishoripal in the Tahasil of Talcher, Dist. Angul, Odisha bearing Plot No. 949(P), 948(P) & 947(P), Khata No.70 in village Kakudi and Plot No.927(P) & 928(P) , Khata No. 120 in village Kishoripal. NH-149 passes through Talcher town at a distance of about 2.5 km & connects to NH-55. Talcher railway station on branch line of East Coast Railway at a distance of about 5.5 km.
9. The total mining lease area of the project is 41.885 Ha, out of which only 19.07 Ha will be used for mining, rest of the area will left for protection and sand barrier. The annual production of the project is 0.25Mm<sup>3</sup>/year. Geological Reserve is 0.846Mm<sup>3</sup>. and mineable reserve is 0.35 Mm<sup>3</sup>. Life of mine is 20 years.
10. Mining will be carried out in Strip Mining by Mechanical winning of sand by hydraulic excavator (Back-hoe shovel) loading onto tipping truck & transport. For transport of sand to mines, temporary roads / cause ways have been envisaged inside the river bed. A 50m sand barrier against river bank will be left un-mined for protection of the bank.
11. Baseline data generation was during Nov'15 to Feb'16 & again March'2021 to May'2021.
12. Public Hearing conducted by OSPCB on Dt: 20.12.2016.
13. Water Requirement – 102.93 KLD of water shall be required for domestic and mining activities. Treated water from Deulbera/ Handidhua mines will be used for dust suppression. Wastewater generated will be treated in ETP of nearby adjacent mines and the estimated quantity of wastewater generation is 53.22 KLD.
14. Employment Potential: Total number of employee will be around 92 which includes skilled, semi-skilled & unskilled category in the mine.
15. The project cost is Rs. 747.74 lakhs. Funds for Environment Management Plan: Rs. 22.0 Lakhs as Capital Cost.
16. The project proponent along with the consultant M/s Central Mine Planning & Design Institute Ltd., Ranchi, Jharkhand along with the proponent has made a detailed presentation on the final EIA/EMP report before the SEAC on dated 11.09.2020.
17. The sub-Committee of SEAC visited the project site on dated 19.11.2020 and following observations and recommendations were made:

- a) There is no embankment and the river bank has irregularly eroded along a stretch of about 740 meters alongside the stretched sand bed. No plantation is found over 100 meters width just from the bank.
- For protection of the bank, it is recommended that the entire bank of about 740 meters stretch is stone patched to protect the river bank from erosion in consultation with the domain expert and due permission of Water Resources Department, Govt. of Odisha. This must be completed within a month or two for which they need to submit a legal affidavit.
  - Systematic and organized plantation must be done alongside the same stretch to cover the gap laterally between the stone patching and the plants / trees available in consultation with the local state forest authority with the recommended species by the later.
  - A ramp with WBM materials in consultation with the Civil Engineers for plying of vehicles (to & fro) from the sand bed to the top of the river bank and vice-versa is required to be constructed.
- b) Besides 50 mtrs of sand barrier, safety zone must be left between the river bank and the mining area as per the available guideline to this effect.
- c) There is a gap (inclined) of about 500 meters from the river bank to reach the public road (R&B/RD) of Govt of Odisha for which a strong two lane WBM road to be constructed for plying of loaded / empty sand carrying vehicles.
- d) This public single road is about 2.5 km long through which the sand vehicles will travel to reach NH-149 that passes through Talcher town and connected to NH-55. Along since this road, there exists few habitations / shops etc. All safety measures need to be taken to avoid any accident while vehicles plying.
- Besides, the following action has to be taken by MCL:
- They need to take permission from the authority of the road to use the same for this purpose and they undertake to maintain the road perpetually till they use as per the advice of the authority concerned in form of a legal affidavit.
  - They will make plantation along both sides of this road of about 2.5 KM in vacant patches of desired species in consultation with the local forest authority of Govt. of Odisha.
- e) The major part of the about single road of about 2.5 KM will be used by MCL for this purpose temporarily as stated by them during the visit by their officials present since they will be constructing a separate haulage road of about 1.8 km dedicatedly for this purpose and MCL representatives present showed the proposed haulage road to the sub-committee.
- It is recommended that haulage road must be two laned and either concrete /WBM road in consultation with the experts and plantation of required species and number must be made on both sides of the haulage road in consultation with the local forest authority.
  - The village "Kishoripal" will also be around 500 mtrs away from the proposed haulage road and all safety measures need /must be taken to avoid any kind of accident.
  - The land for the proposed road, if does not belong to MCL, is to be acquisitioned by them as per the laid down rules.

18. The project proponent furnished additional information / documents on the project to SEAC for necessary compliance to clarification raised by SEAC on dated 16.10.2020 & 16.07.2021 and also submitted compliance on the observation of Sub-Committee on 07.01.2021.
19. The SEAC considered the proposal for EC on 03.08.2021 and recommended for grant of Environmental Clearance for the proposal valid upto the lease period, stipulating various conditions.

The State Environment Impact Assessment Authority (SEIAA) after considering the proposal and recommendations of SEAC, Odisha hereby accords Environmental Clearance in favour of the project under the provisions of EIA Notification 2006 and subsequent amendments thereto subject to strict compliance of all stipulated conditions, as follows. Detailed compliance report of these conditions is mandatorily to be submitted by the project proponent to SEIAA at half yearly intervals by 1<sup>st</sup>June and 1<sup>st</sup>December each year.

**Stipulated Conditions:-**

**Part 'A':-Specific Conditions:**

1. This Environmental Clearance is given with a condition that "Maximum depth of quarrying to be 1.5meter, and maximum permissible quantity of sand to be extracted will be 30,000 cum per annum, pending rate of replenishment study at the site."
2. The project proponent has to carry out by engaging appropriate consultant, a study of the annual replenishment rate of sand by collecting pre monsoon & post monsoon data from the field to know the quantum of volume of sand deposited/replenished & extracted in the mining lease area. The detailed comparison of both pre-monsoon and post-monsoon elevation data shall be included in the study report. The replenishment rate of sand may be calculated by using the volumetric survey method or any other methods as laid down in Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF & CC, Govt. of India. The finding of the study shall be submitted to SEIAA to assess the rate of replenishment of mined out sand in the lease area. The submission of study report of rate of annual replenishment of sand within one year is obligatory for the project proponent.
3. This EC for the proposal in the mine lease area of 41.885 Ha. shall be operational after submission of an undertaking through affidavit to SEIAA, Odisha within 15 days of receipt of the EC letter for compliance of all the conditions prescribed herein.
4. For protection of the River Bank, the entire bank of about 740 meters stretch shall be stone patched to protect the river bank from erosion in consultation and on advice of the domain expert with due permission of Water Resources Department, Govt. of Odisha.
5. A Ramp with WBM materials in consultation with the Civil Engineers for plying of vehicles (to & fro) from the sand bed to the top of the river bank and vice-versa shall be constructed.
6. Besides 50 mtrs of sand barrier, safety zone must be left between the river bank and the mining area as per the available guideline to this effect.

7. There is a gap (inclined) of about 500 meters from the river bank to reach the public road (R&B/RD) of Govt of Odisha for which a strong two lane WBM road shall be constructed for plying of loaded / empty sand carrying vehicles. This public single road is about 2.5 km long through which the sand vehicles will travel to reach NH-149 that passes through Talcher town and connected to NH-55. Along this road, there exists few habitations / shops etc. All safety measures shall be taken to avoid any accidents while vehicles plying.
8. No transportation of the minerals shall be allowed on any road passing through villages/habitations without prior explicit permission. Transportation of minerals through existing rural roads can be allowed only by the concerned Govt. Department/ Gram Panchayat and only after required strengthening such that the carrying capacity of road is increased to handle the mineral carrying truck traffic. The project proponent shall bear the cost towards the widening and strengthening of existing public roads in case the same is proposed to be used for the project. No movement on any road is allowed on existing village road network without appropriately increasing the carrying capacity of such roads. Project proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and traffic density and they shall maintain the road perpetually till they use as per the advice of the authority concerned.
9. The proponent shall make plantation along both sides of the public road of about 2.5 Km in vacant patches of desired species in consultation with the local forest authority of Govt. of Odisha.
10. The haulage road must be two laned and either concrete /WBM road in consultation with the experts and plantation of required species and number shall be made on both sides of the haulage road in consultation with the local forest authority.
11. The amount proposed under Corporate Environment Responsibility (CER) shall be kept in a separate bank account and audited annually. Implementation report with supporting documents & photographs before and after shall be submitted to the Regional Office of MoEF & CC, Bhubaneswar and SEIAA, Odisha before 1<sup>st</sup> July of every year for the activities carried out during previous year.
12. The amount proposed under Environmental Management Plan (EMP) shall be kept in a separate bank account and audited annually. Implementation report with supporting documents, test reports, geo-locations & photographs before and after and composition of EMC shall be submitted to the Regional Office of MoEF&CC, Bhubaneswar and SEIAA, Odisha before 1<sup>st</sup> July of every year for the activities carried out during previous year.
13. The Project Proponent shall implement the occupational health plan and provide personal protective equipments to all the workers (helmets, dust masks, ear muffs), provision of safe drinking water to workers, shelters for rest etc. In addition to this Occupational health check-up of all workers working in mine, and pulmonary function test for workers working in dusty areas. The budget earmarked for occupational health plan shall be kept in separate bank account and audited annually. Implementation report with supporting documents & photographs before and after shall be submitted to the Regional Office of MoEF & CC, Bhubaneswar and SEIAA, Odisha before 1<sup>st</sup> July of every year for the activities carried out during previous year.

## **Part 'B':-Standard conditions**

### **(I) Statutory compliance**

1. The EC granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc. required to be obtained or standards / conditions to be followed under any other Acts/ Rules/ Subordinate legislations etc., as may be applicable to the project.
2. This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
3. The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2<sup>nd</sup> August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India &Ors before commencing the mining operations.
4. The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India &Ors.
5. The Project Proponent shall follow the mitigation measures provided in MoEF&CC's Office Memorandum No. Z-11013/57/2014-1A. 11 (M), dated 29th October, 2014, regarding "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".
6. The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
7. A copy of EC letter will be provided to concerned Panchayat / local NGO etc. by PP. if any, from whom suggestion / representation has been received while processing the proposal.
8. The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change ([www.parivesh.nic.in](http://www.parivesh.nic.in)). A copy of the advertisement may be forwarded to the MoEF&CC Regional Office, Bhubaneswar and SEIAA, Odisha for compliance and record.
9. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Odisha State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC, Govt. of India by E-mail.

**(II) Air quality monitoring and preservation:**

10. The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, CO and SO<sub>2</sub> etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCII, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
11. Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM<sub>10</sub> and PM<sub>2.5</sub> are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEF&CC, Govt. of India / Central Pollution Control Board.

**(III) Water quality monitoring and preservation:**

12. Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records shall be maintained. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
13. The Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
14. The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of

gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment; Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board clearly showing the trend analysis on six-monthly basis.

15. The Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF & CC, Bhubaneswar and SEIAA, Odisha annually.
16. Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
17. The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF & CC, Bhubaneswar and State Pollution Control Board.

**(IV) Noise and vibration monitoring and prevention:**

18. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
19. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

**(V) Mining plan:**

20. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like mining technology, total excavation,

mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt, in the form to Short Term Permit (STP), Query license or any other name.

**(VI) Land reclamation:**

21. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.

**(VII) Transportation:**

22. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
23. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt- conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

**(VIII) Green Belt:**

24. The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-1 species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.

25. The Project Proponent shall plant and nurse a minimum of 200 number of saplings of native species along the approach roads, safety zone of lease area and in community areas in consultation with the Gram Panchayat.

**(IX) Public hearing and human health issues:**

26. Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.

27. The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the action plan and within the stipulated time frame. The Status Report on implementation of action plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

**(X) Miscellaneous:**

28. The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF & CC, Bhubaneswar.

29. The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

30. The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the SEIAA, Odisha, MOEF&CC, Govt. of India & its Regional Office, Bhubaneswar, Central Pollution Control Board and State Pollution Control Board, Odisha.

31. It shall be mandatory for the project management to submit six (06) monthly compliance reports on post environmental monitoring in respect of the stipulated terms and conditions in this Environmental Clearance to the State Environment Impact Assessment Authority (SEIAA), Odisha, SPCB & Regional Office of the Ministry of Environment & Forest, Odisha in hard and soft copies on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year and the same will be uploaded in the website of the MoEF & CC.

32. A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF & CC, Bhubaneswar.

33. The concerned Regional Office of the MoEF & CC, Bhubaneswar shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF & CC officer(s) by furnishing the requisite data / information / monitoring reports.

34. The mining lease holders shall, after ceasing mining operations, undertake re-grossing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of

fodder, flora, fauna etc.

35. The SEIAA, Odisha or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
36. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attracts action under the provisions of Environment (Protection) Act,
37. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.
38. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,

  
Member Secretary

Memo No 2877/SEIAA / Dt. 24.09.2021

DH

Copy to

1. **Joint Secretary (Environment)**, Ministry of Environment, Forests and Climate Change Govt. of India, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi-110003 for information.
2. **Additional Chief Secretary**, Forests & Environment Dept., Government of Odisha for information.
3. **Member Secretary**, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
4. **Additional Principal Conservator** of Forests, Regional Office (EZ), Ministry of Environment & Forests, A-31, Chandrasekharapur, Bhubaneswar for information.
5. **Member Secretary**, CGWA, 18/11, Jamnagar House, ManSingh Road, New Delhi-110011 for information.
6. **Collector, District Magistrate**, Angul, for kind information and necessary action.
7. **Secretary**, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for kind information.
8. Guard file for record.

  
Member Secretary

DH