



सत्यमेव जयते

File No.: 487648/302-MIN/07-2024

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority (SEIAA),  
ODISHA)

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Dated 27/12/2024



To,

SRI PABAN KUCHALUPATI  
K. PABAN RAJU KOSAGUMUDA , NABARANGPUR, ODISHA, 764061  
dargulasand@gmail.com

**Subject:** Amendment in prior EC letter no. 1179/SEIAA dated 30.03.2021 granted to the project Kerandimal Sand Quarry under the provision of the EIA Notification 2006 and as amended thereof regarding.

**Sir/Madam,**

This is in reference to your application submitted to SEIAA, Odisha vide proposal number SIA/OR/MIN/487648/2024 dated 21/12/2023 for grant of an amendment in prior EC letter dated 30.03.2021 to the project Kerandimal Sand Quarry over an area of 8.00 acres or 3.237 hectares bearing Khata no. 426, Plot no.01 & 02 in Village Kerandimal, TahasilKodinga, District Nabarangpur, State Odisha in respect to amendment for extraction quantity of sand based on the basis of Annual Rate of Replenishment Study (ARRS) report under the provision of the EIA Notification 2006 and as amended thereof regarding under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	TO24C0107OR5287328A
(ii) File No.	487648/302-MIN/07-2024
(iii) Clearance Type	Amendment in EC
(iv) Category	B2
(v) Schedule No./ Project Activity	1(a) Mining of minerals Kerandimal Sand Quarry over an area of 8.00 acres or 3.237 hectares bearing Khata no. 426, Plot no.01 & 02 in Village Kerandimal, Tahasil Kodinga, District Nabarangpur, State Odisha.
(vii) Name of Project	
(ix) Location of Project (District, State)	NABARANGPUR, ODISHA
(x) Issuing Authority	SEIAA, Odisha
(xii) Applicability of General Conditions	No

3. In view of the particulars given in the Para-1 above, the project proposal interalia including Form-4 (Part A, B & C)

were submitted to the SEAC for an appraisal by the State Level Expert Appraisal Committee (SEAC) under the provision of EIA notification 2006 and its subsequent amendments thereto.

4. The above-mentioned proposal has been considered by SEAC in its meeting held on 25.07.2024. The minutes of the meeting and all the project documents are available on Parivesh portal which can be accessed from the Parivesh portal by scanning the QR Code above.
5. The brief about the reasons for an amendment requested along with the brief on the salient features of the project as submitted by the project proponent in Form- 4 (Part A, B & C) and as presented before SEAC and the details of the amendment of EC are annexed as **Annexure- 2**.
6. The proposal was placed in the SEAC meeting held on 25.07.2024 under the provisions of EIA Notification 2006 and its subsequent amendments and after detailed deliberations in the matter and the SEAC recommend the proposal for Sand mining may be allowed for 21815 cum as per replenished quantity subject to approval of revised Mining plan.
7. The SEIAA, Odisha has examined the proposal in 177<sup>th</sup> meeting held on 28.10.2024 & 29.10.2024 in accordance with the extant provisions of the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEAC and hereby accords amendment in Environment Clearance letter no. 1179/SEIAA dt. 30.03.2021 for the instant proposal Kerandimal Sand Quarry to Sri Paban Kuchalupati is **allowed** for extraction quantity of sand **21815 cum per annum** for the balance lease period with depth of mining 1.3 meter as per ARRS report and method of mining will be manual as per modified mining plan under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of EC conditions, general instructions issued vide EC letter dated 30/03/2021 and following additional specific conditions as mentioned in **Annexure-1**. The other stipulated terms and conditions of the original EC letter initially granted remains same.

#### **Stipulations**

<b>Sl. Descriptions</b>	<b>Stipulation</b>
(i) Lease Area:	8.00 Acres or 3.237 Ha.
(ii) No Mining Zone:	(i). The PP shall maintain safety and stability of Riverbanks i.e. 3 meter or 10% of river width whichever is more for protection of river bank and (ii). 7.5-meter safety zone from all sides of lease boundary. (iii). No stream should be diverted for the purpose of sand mining. No natural water course and/ or water resources are obstructed due to mining operations.
(iii) Maximum Depth of Mining:	of 1.3 meter as per the approved mining plan as ARRS report.
(iv) Method of Mining:	Manual as per modified approved mining plan
(v) Permitted Quantity:	<b>21815 cum/annum</b> for the balance lease period
(vi) Validity Period of EC:	of The EC is valid for the balance lease period subject to the quantity prescribed in the modified DSR or revised Mining Plan whichever is less.
(vii) ARRS report	The PP shall carry out the ARRS study through a NABET or ORSAC empanelled agency in subsequent year and submit to SEIAA, Odisha

8. This issues with the approval of the Competent Authority

#### **Copy To**

1. Principal Secretary, Forest, Environment & Climate Change Dept., Government of Odisha for information.
2. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
3. The Director of Mines, Steel & Mines Dept, Govt. of Odisha Bhubaneswar for information.
4. Additional Principal Conservator of Forests, Integrated Regional Office (IRO), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubaneswar for information.

5. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032 for information.
6. Chairman/Member/Member Secretary, SEIAA for information.
7. Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.
8. Collector & DM, Nabarangpur, Sub-Collector, Nabarangpur, Deputy Director of Mines, Nabarangpur, DFO, Nabarangpur, RO, SPCB, Nabarangpur, Tahasildar, Kodinga/Mining Officer, Nabarangpur for Information and necessary action.
9. Guard file for record/Website/Parivesh Portal

## Annexure 1

### Specific EC Conditions for (Mining Of Minerals)

#### 1. Specific Condition

S. No	EC Conditions
1.1	<ol style="list-style-type: none"> <li>1. Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.</li> <li>2. In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.</li> <li>3. The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.</li> <li>4. Plantation programme to be completed within the first two years and to be maintained in remaining years.</li> <li>5. The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.</li> <li>6. The proponent shall provide Bio- toilet for the workers.</li> <li>7. Project Proponent shall not disturb the water course during mining.</li> </ol>
1.2	<p><b>Boundary Demarcation:</b> - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC.</p>
1.3	<p><b>Digital Map:</b> -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the Tahasildar/Mining officer shall be submitted to SEIAA, Odisha through email at seiaaodisha@gmail.com.</p>
1.4	<p><b>Intimation of EC:</b> -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt. 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</p>

S. No	EC Conditions
	accorded EC and copy of the EC letter is available with the State Pollution Control Board and web site of the Ministry of Environment, Forest and Climate Change ( <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record.
1.5	<b>State EMF Fund:</b> - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the Tahasildar/Mining Officer and deposited to the State Environment Management Fund, which will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken.
1.6	<b>Condition by Collector:</b> - Any other condition(s) the Collector & Chairman, District Environment Impact Assessment Authority (DEIAA), may impose in the interest of protection and safeguarding the local environment.
1.7	<b>Compliance report for Transfer of EC:</b> - Any transfer of EC to a PP/Lessee shall be considered by SEIAA, Odisha only after receipt of the full compliance report through Tahasildar/Mining Officer concerned of the above environmental conditions and safeguards.
1.8	<b>Other conditions/NOC:-</b> Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.

#### Standard EC Conditions for (Mining of minerals)

#### 1. Statutory Compliance

S. No	EC Conditions
1.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.2	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.
1.3	The project proponent shall obtain other necessary permission from the competent Authority.
1.4	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.5	The maximum extraction of sand shall be limited to <b>21815 cum per annum</b> with 1.3 m depth of mining valid upto the balance lease period.
1.6	Validity of EC is upto the balance lease period subject to the quantity prescribed in the revised DSR or modified Mining Plan (approved by the competent authority) whichever is less.

#### 2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO <sub>2</sub> and NO <sub>x</sub> . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB
2.2	Major approach roads shall be black topped and properly maintained after due permission from competent Authority.
2.3	The transportation of sand shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the sand 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 that the impact of sound, dust and accidents could be appropriately mitigated.
2.4	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.

### 3. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
3.1	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

### 4. Mining Plan

S. No	EC Conditions
4.1	<p><b>No Working Zone:</b> - The lessee shall ensure that no sand mining is carried out in the areas as specified below: -</p> <ul style="list-style-type: none"> <li>• During the rainy season;</li> <li>• Within the water channel or stream flow area throughout the year;</li> <li>• Mining shall not be undertaken in a mining lease located in 200-500 meter of bridge, 200 meter upstream and downstream of water supply/irrigation scheme, 100 meter from the edge of National Highway and railway line, 50 meter from a reservoir, canal or building, 25 meter from the edge of State Highway and 10 meter from the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee.</li> <li>• The mining or any ancillary activity shall not in any way disturb the flow pattern of the river water during the non-monsoon period.</li> <li>• No stream shall be diverted for the purpose of sand mining and no natural water course shall be obstructed.</li> </ul>

S. No	EC Conditions
	<ul style="list-style-type: none"> <li>• Sand mining operations shall not affect the existing sources for irrigation / drinking water / industrial purposes.</li> <li>• The natural sand dunes, if any, near or surrounding the lease area shall not be disturbed.</li> </ul>
4.2	Mining shall be carried out under strict adherence to provisions of the OMMC Rules and subordinate legislations made there-under as applicable.
4.3	<p><b>Transport Safeguards:</b></p> <ul style="list-style-type: none"> <li>• No transportation of the minerals shall be allowed on any road passing through villages/habitations without prior explicit permission.</li> <li>• Transportation of minerals through existing rural roads can be allowed only by the concerned Govt. Department/ Gram Panchayat/BDO after required strengthening such that the carrying capacity of the 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.</li> <li>• Project proponents shall ensure that the transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and traffic density.</li> <li>• Vehicles hired for transportation of minor minerals from the site should be in good condition and should have pollution check certificates and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. Speed of vehicle be regulated and in no case &gt;30 Kms / hr be allowed.</li> <li>• The vehicles shall not be overloaded and shall be covered with Tarpaulin. The Tahasildar/ Mining Officer may collect an appropriate additional road maintenance levy from the lessee as part of the lease conditions on the basis of quantum of mineral transported, and utilize the proceeds of the levy for proper maintenance of the extraction paths and roads to prevent their degradation on account of plying of mineral carrying trucks.</li> <li>• Water spraying should be made on the village road to control particulate matter (dust particles) pollution in surrounding air during transportation from the quarry. Garland drain shall be constructed on the hill slope to arrest downward flow of particulate matter with rainwater.</li> </ul>

## 5. Miscellaneous

S. No	EC Conditions
5.1	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 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.
5.2	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.

S. No	EC Conditions
5.3	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.
5.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the Parivesh Portal of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5.5	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
5.6	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
5.7	The project proponent shall abide by all the commitments and recommendations made in the EMP report during EC application and also that during their presentation to the State Level Expert Appraisal Committee(SEAC).
5.8	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
5.9	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.
5.10	The SEIAA, Odisha may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
5.11	The SEIAA, Odisha reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
5.12	The compliance of EC conditions of said quarry shall be monitored by DEIAA, concerned lease granting Authority either Mining Officer or Tahasildar, RO, SPCB, Odisha and Integrated Regional Office of MoEFCC, Bhubaneswar as per MoEF & CC, Govt. of India S.O. 141(E) in EIA Notification dated 15.01.2016
5.13	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
5.14	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours

S. No	EC Conditions
5.15	<b>Half-yearly Compliance Report:</b> -It shall be mandatory for the project management to submit half yearly compliance reports on the status of implementation of the above stipulated environment. The project authority is mandatory to <b>upload</b> the compliance report of EC conditions including results of monitored data, as applicable in the website of the Ministry for monitoring of EC Conditions. No hard copy and soft copy required to submit to SEIAA, Odisha, failing which EC is liable to be revoked.
5.16	<b>Concomitant Monitoring:</b> - The conditions stipulated in the environmental clearance will be closely monitored on the ground by the lease granting authority, i.e. the Tahasildar/mining officer, who shall ensure compliance of the stipulated conditions and take corrective measures promptly in case of any non-compliance and also ensure that the project proponent submits half yearly compliance reports.
5.17	<b>Independent Monitoring:</b> -The concerned Regional Office of the MoEF & CC/ SPCB, Odisha shall periodically monitor compliance of the stipulated conditions as applicable for this project. The project authorities should extend full cooperation to the MoEF & CC officer(s)/SPCB officer(s) by furnishing the requisite data / information / monitoring reports.
5.18	<b>Revocation of EC:</b> - The SEIAA, Odisha may revoke or suspend the EC, if implementation of any of the above conditions is not satisfactory. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.
5.19	<b>Change in Ownership of Lease:</b> - This EC shall not be transferred without the permission of SEIAA, Odisha. The Tahasildar/ Mining Officer shall inform the SEIAA of any change in ownership of the mining lease. No mining is allowed without transfer of EC as per provisions of the para 11 of EIA Notification, 2006, as amended from time to time.

#### **Additional EC Conditions**

1. The replenished quantity of sand limited **21815 cum/annum** as per ARRS report is approved for the remaining lease period with depth of mining 1.3 meter along with manual method of mining.
2. The EC is valid for the balance lease period subject to the quantity prescribed in the modified DSR or revised Mining Plan whichever is less.
3. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency in subsequent years and submit the report to SEIAA, Odisha.
4. The PP shall implement the EMP as proposed in the EMP report during EC application.
5. The PP shall plant **100 no.** of tree species like Banyan (*Ficus benghalensis*), Peepal(*Ficus religiosa*), Neem (*Azadirachta indica*), Jamun(*Syzygium cumini*), Mango(*Mangifera indica*), Karanj(*Pongamia pinnata*), Arjun(*Terminalia Arjuna*), Jack fruit (*Artocarpus heterophyllus*), Siris (*Albizia lebbek*), etc.. as part of tree plantation campaign "**Ek Ped Maa Ke Naam**" and the details of the same shall be uploaded in the MeriLiFE Portal (<https://merilife.nic.in>).The PP shall submit the status of plantation during every six-months (06) compliance of EC conditions with geo-coordinating photographs.
6. The compliance of EC conditions of said quarry shall be monitored by DEIAA, concerned lease granting Authority either Mining Officer or Tahasildar, RO, SPCB, Odisha and Integrated Regional Office of MoEFCC, Bhubaneswar as per MoEF & CC, Govt. of India S.O. 141(E) in EIA Notification dated 15.01.2016.
7. The Project Proponent shall uploaded/submitted six monthly EC compliance in the Parivesh Portal of MoEF & CC., Govt. of India only falling which the EC is liable to revoked.

**1. Proposal in brief:**

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

- (i) This is a proposal for amendment of EC of Kerandimal Sand Quarry over an area of 8.00 acres or 3.237 hectares bearing Khata no. 426, Plot no.01 & 02 in Village Kerandimal, TahasilKodinga, District Nabarangpur, State Odisha.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 1179/SEIAA dt. 30.03.2021 for Kerandimal Sand Quarry over an area of 8.00 acres or 3.237 hectares bearing Khata no. 426, Plot no.01 & 02 in Village Kerandimal, TahasilKodinga, District Nabarangpur, State Odisha.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand bed is 20137 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-4028 cum.
- (iv) The SEIAA allowed 4028 cum of sand for 1<sup>st</sup> year production with depth of mining 1.0 meter.
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15<sup>th</sup> May, 2022, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has mentioned that 4028 cum of sand has been extracted from the source in 1<sup>st</sup> year.
- (vii) Further, EC was issued vide EC identification no.EC23C0107OR5529744N dated 22.03.2024 for increasing production capacity from 4028 cum/annum to 20000 cum/annum and 1150 in 2<sup>nd</sup> year.
- (viii) The PP has submitted replenishment study report was done by the consultancy Geocon Survey Pvt. Ltd. (**ORSAC empanelled agency**) with mentioned that Pre-Monsoon Standard Elevation = 556. 02002467099 and Post-Monsoon Standard Elevation = 557.320024670989 and quantity of sand replenished is **21815 cum** and proposed production 20000 cum.
- (ix) Any deficiencies/omission have been noticed in the above documents- The PP has mentioned that Concern DFO office is denying to receive the amount of 1,50,000/- with the respective District Environment Society, as no specific instruction was given from SEIAA, however it is to undertake that amount will be deposited in the upcoming year and will be

2. **Whether SEAC recommended the proposal – Yes**, the proposal was placed in the SEAC meeting held on 25.07.2024 and the SEAC decided to recommend the proposal as per the Replenishment Study Report with **21815 cum/annum** of sand subject to modification of Mining Plan.