



सत्यमेव जयते

File No.: 491252/319-MIN/08-2024

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 20/01/2025



To,

SRI BHAKTA CHARAN PATEL  
Sri Bhakta Charan Patel, At-Pilatimahul, Ps-Balangir, BALANGIR, ODISHA, 767048  
bhaktacharanpatel0@gmail.com

**Subject:** Amendment in Environmental Clearance (EC) letter no. 9154/SEIAA dated 07.10.2020 05/08/2024 granted to the project of Tamian Sand Quarry under the provision of the EIA Notification 2006 - regarding.

**Sir/Madam,**

This is in reference to your application submitted to SEIAA, Odisha vide proposal number SIA/OR/MIN/491252/2024 dated 05/08/2024 for grant of an amendment (i.e. amendment of EC regard to annual production of sand as per replenishment study report) in prior Environmental Clearance (EC) to the project of Tamian Sand Quarry over an Area of 12.00 Acres or 4.856 Hectares in Village Tamian under Patnagarh Tahasil of Balangir District, Odisha to Sri Bhakta Charan Patel, the successful bidder 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.	EC24C0107OR5521921A
(ii) File No.	491252/319-MIN/08-2024
(iii) Clearance Type	Amendment in EC
(iv) Category	B2
(v) Schedule No./ Project Activity	1(a) Mining of minerals Proposal for Amendment of Environmental Clearance of Tamian Sand Quarry over an Area of 12.00 Acres or 4.856 Hectares in Village Tamian under Patnagarh Tahasil of Balangir District.
(vii) Name of Project	
(viii) Location of Project (District, State)	BALANGIR, ODISHA
(ix) Issuing Authority	SEIAA, Odisha
(x) EC Date	05/08/2024
(xii) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	Operating condition

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 30.08.2024. 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 or through the following web link [click here](#).

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 30.08.2024 under the provisions of EIA Notification 2006 and its subsequent amendments and after detailed deliberations in the matter and the SEAC decided to recommend the proposal for Sand mining may be allowed for 543770 cum/annum subject to approval of revised Mining plan.

7. The SEIAA, Odisha has examined the proposal in 176<sup>th</sup> meeting held on 25.10.2024 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 issued vide EC letter no. 9154/SEIAA dt. 07.10.2020 for the instant proposal of Tamian Sand Quarry over an Area of 12.00 Acres or 4.856 Hectares in Village Tamian under Patnagarh Tahasil of Balangir District, Odisha to Sri Bhakta Charan Patel is **allowed** for extraction quantity of sand **43700 cum per annum** for the balance lease period under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of EC conditions, general instructions issued vide EC letter dated 07 /10/2020 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:	12.00 Acres or 4.856 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:	1.5 meter as per the Annual rate of Replenishment Study (ARRS) report
(iv) Method of Mining:	Manual method as per approved mining plan
(v) Permitted Quantity:	<b>43700 cum/annum</b> for the remaining period of lease as per Annual Rate of Replenishment Study (ARR) report.
(vi) Validity Period of EC:	The EC is valid for 5 years or 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 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.

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, Balangir, Sub-Collector, Balangir, Deputy Director of Mines, Balangir, DFO, Balangir, RO, SPCB, Balangir, Tahasildar, Patnagarh /Mining Officer, Balangir for Information and necessary action.
9. Guard file for record/Website/Parivesh Portal

**Annexure 1**

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

**1. Specific Conditions**

S. No	EC Conditions
<b>1.1</b>	<ul style="list-style-type: none"> <li>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>In view of likely revision of DSR the mention of this deposit with coordinates is to be ensured.</li> <li>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>Plantation programme to be completed within the first two years and to be maintained in remaining years.</li> <li>The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.</li> <li>The proponent shall provide Bio- toilet for the workers.</li> <li>Project Proponent shall not disturb the water course during mining</li> </ul>
<b>1.2</b>	<p><b>ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED WITH BY THE TAHASILDAR/MINING OFFICER BEFORE LEASE AGREEMENT:</b></p> <ul style="list-style-type: none"> <li><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.</li> <li><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</li> </ul>

S. No	EC Conditions
	<p>SEIAA, Odisha through email at seiaaodisha@gmail.com.</p> <ul style="list-style-type: none"> <li>• <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 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&amp;CC Regional Office for compliance and record.</li> <li>• <b>Tree Plantation:</b> -The PP shall plant <b>120 nos.</b> 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), Jackfruit (Artocarpus heterophyllus), Siris (Albizia lebbeck), etc.. as part of tree plantation campaign "<b>Ek Ped Maa Ke Naam</b>" and the details of the same shall be uploaded in the MeriLiFE Portal (<a href="https://merilife.nic.in">https://merilife.nic.in</a>).The PP shall submit the status of plantation during every six-months (06) compliance of EC conditions with geo-coordinating photographs.</li> <li>• <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.</li> <li>• <b>Condition by Collector:</b> - Any other condition(s) the Collector &amp; Chairman, District Environment Impact Assessment Authority (DEIAA), may impose in the interest of protection and safeguarding the local environment.</li> <li>• <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.</li> </ul> <p><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.</p>

**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 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.
1.3	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)

S. No	EC Conditions
	Act, 1974 from the concerned State pollution Control Board/ Committee.
1.4	The project proponent shall obtain the necessary permission from the other competent Authorities as and when is required.
1.5	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.
1.6	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.7	The EC is valid for 5 years or for the balance lease period subject to the quantity prescribed in the modified DSR or revised Mining Plan whichever is less.

## 2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Transportation of sand , to the extent if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, 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.
2.2	Major approach roads shall be black topped and properly maintained.
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.
2.5	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuos AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.

## 3. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
3.1	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.
3.2	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> <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-2016, as per Mining Plan, EC & CTO, Sustainable Sand Mining Guidelines-2016 , Enforcement & Monitoring Guidelines for Sand Mining-2020 and also as per Sand Policy of Govt. Of Odisha dated 02.09.2021.
4.3	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
4.4	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to sand mining and the relevant circulars issued by Deputy Director of Mines.
4.5	<b>Other Environmental Conditions:</b> -The Project Proponent shall follow all the provisions of Sand Policy of Govt. Of Odisha dated 02.09.2021 for this sand mining project.

S. No	EC Conditions
	<ul style="list-style-type: none"> <li>• The Tahasildar/ Mining Officer shall take adequate measures to prevent unauthorized mining;</li> <li>• The project proponent should carry out river bed sand mining manually by engaging local laborers to check over exploitation of sand at the source;</li> <li>• The lessee shall ensure safety of human life and livestock from accidents in case the village / any habitation is very near the mining lease area.</li> <li>• At the end of mine closure, the proponent shall immediately remove all the sheds put up in the quarry and all the equipment in the area before closure of the quarry.</li> </ul>

### 5. Corporate Environment Responsibility

S. No	EC Conditions
5.1	1. The PP shall implement the EMP with a budgetary allocation of Rs. 1.75 Lakh (Capital Cost) and Rs. 0.90 Lakh (Recurring cost) as proposed in the EMP report during EC application.

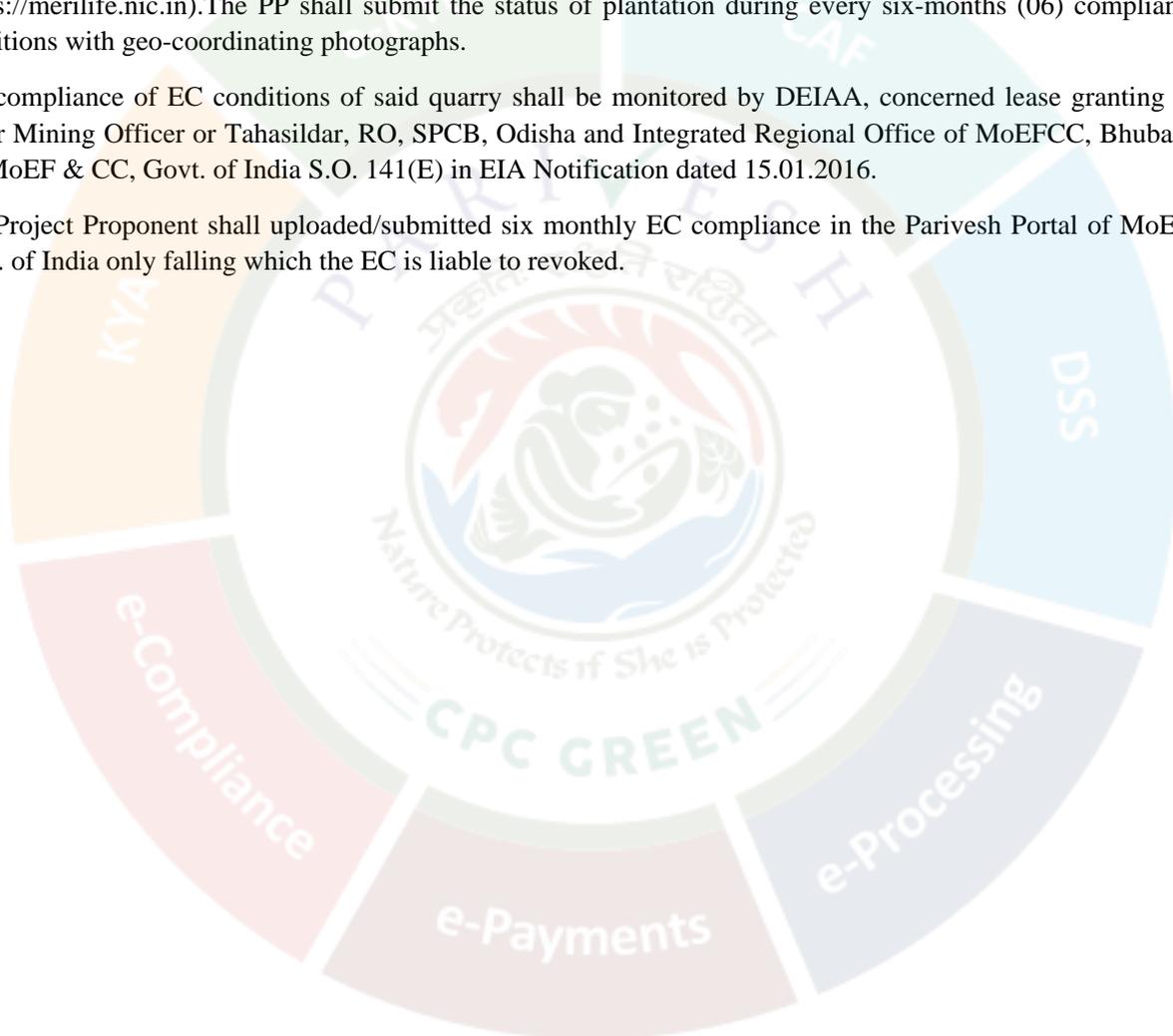
### 6. Miscellaneous

S. No	EC Conditions
6.1	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.
6.2	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.
6.3	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.
6.4	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.
6.5	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.
6.6	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.

S. No	EC Conditions
6.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
6.8	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.
6.9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
6.10	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.
6.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
6.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
6.13	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.
6.14	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.
6.15	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.
6.16	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.
6.17	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.
6.18	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 light/night hours

**Additional EC Conditions**

1. The replenished quantity of sand **43700 cum/annum** with depth of mining **1.5 meter** as per ARRS report is approved for the remaining lease period.
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 with a budgetary allocation of Rs. 1.75 Lakh (Capital Cost) and Rs. 0.90 Lakh (Recurring cost) as proposed in the EMP report during EC application.
5. The PP shall plant **120 nos.** 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 Tamian Sand Quarry over an Area of 12.00 Acres or 4.856 Hectares in Village Tamian under Patnagarh Tahasil of Balangir District.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No. – 9154/SEIAA dt. 07.10.2020 for Tamian Sand Quarry over an Area of 12.00 Acres or 4.856 Hectares in Village Tamian under Patnagarh Tahasil of Balangir District.
- (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 40132 cum with depth of sand deposition was 1.0 meter and proposed for annual extraction-1300 cum.
- (iv) The SEIAA allowed 1300 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> November, 2021, if satisfactory replenishment study report is not submitted.”
- (vi) The PP has mentioned that 1300 cum of sand has been extracted from the source in 1<sup>st</sup> year
- (vii) The PP has submitted replenishment study report was done by the Areal Construction & Geo-India Services (ORSAC Empanelment Agencies) with mentioned that Pre-Monsoon Standard Elevation = 206.1251 m, Post-Monsoon Standard Elevation = 207.6274 m and quantity of sand replenished = 72950 cum and proposed production is 43770.2191 cum.
- (viii) Any deficiencies/omission have been noticed in the above documents- Nil

**2. Whether SEAC recommended the proposal – Yes, the proposal was placed in the SEAC meeting held on 30.08.2024 and the SEAC recommended the following:**

- i) Recommended for replenishment quantity subject to their listing in DSR and modified mining plan, approved by the authority.