



सत्यमेव जयते

File No.:
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA),
ODISHA)



Dated 30/01/2025



To,

SRI KISHOR CHANDRA SAHOO
S/O GOPAL SAHOO, AT/PO - DERENGA, PS - KANIHA , ANUGUL, ODISHA, 759117
kcsahoo.ec@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed Mining Project under the provisions of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application submitted to SEIAA, Odisha vide proposal number SIA/OR/MIN/513975/2024 dated 10/12/2024 for grant of prior Environmental Clearance (EC) to the project of Derenga Sand Quarry over an area of 15.00 Acres or 6.07 hectares at village Derenga, Tahasil-Kaniha, Dist-Angul, Odisha to Sri Kishor Chandra Sahoo, 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.	EC24B0107OR5428145N
(ii) File No.	
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Derenga Sand Quarry
(ix) Location of Project (District, State)	ANUGUL, 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-2, EIA, EMP report and Public Hearing proceeding, Replenishment study report 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 21.03.2024. 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. Brief description of the project is as under.

5. Details of the minerals to be mined along with production capacity and the brief on the salient features of the project as submitted by the project proponent in Form- 2 in the reports and presented before SEAC are annexed to this EC as **Annexure- 2**.
6. The SEAC in its meeting held on 121.03.2024, based on information submitted viz: Form-2, EIA/EMP report, Public Hearing Proceeding etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of Specific and Standard EC conditions as detailed in the point below.
7. The State Environment Impact Assessment Authority (SEIAA), Odisha has examined the proposal in 188th meeting held on 28.01.2025 in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEAC hereby accords Environment Clearance for the instant proposal for “extraction of sand from Derenga Sand Quarry over an area of 15.00 Acres or 6.07 hectares at village Derenga, Tahasil-Kaniha, Dist-Angul, Odisha to Sri Kishor Chandra Sahoo under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in **Annexure-1**.

Stipulations

Sl. Descriptions	Stipulation
(i) Lease Area:	15.00 Acres or 6.07 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:	0.22 meter as per the approved mining plan
(iv) Method of Mining:	Semi-mechanized as approved mining Plan
(v) Permitted Quantity:	1035.98 cum/annum for lease period as per Annual rate of Replenishment Study (ARRS) report.
(vi) Validity Period of EC:	of The validity of EC is for validity of lease period or 5 years from date of lease execution whichever is earlier.
(vii)ARRS report	The PP shall carry out the ARRS study through a NABET or ORSAC empanelled agency in subsequent year and submit the same to SEIAA, Odisha.

8. The SEIAA, Odisha reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
11. Validity of EC is upto lease period of 5 years from date of lease execution whichever is earlier.

12. General Instructions:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of SEIAA website where it is displayed.
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 must display the same for 30 days from the date of receipt.

3. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.
 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
 5. 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. The Regional Office of this MoEF & CC, Bhubaneswar 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.
 7. Any appeal against this EC 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.
13. This issue with an 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, Angul, Sub-Collector, Angul, Deputy Director of Mines, Angul, DFO, Angul, RO, SPCB, Angul, Tahasildar, Kaniha/Mining Officer, Angul for Information and necessary action.
9. Guard file for record/Website/Parivesh Portal

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Conditon

S. No	EC Conditions
1.1	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE

S. No	EC Conditions
	<p>COMPLIED WITH BY THE TAHASILDAR/MINING OFFICER BEFORE LEASE AGREEMENT:</p> <ol style="list-style-type: none"> 1. Boundary Demarcation: - 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. 2. Digital Map: -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. 3. Intimation of EC: -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 (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record. 4. Tree Plantation: -The PP shall plant 100 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), Jackfruit (Artocarpus heterophyllus), Siris (Albizia lebbeck), 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. 5. State EMF Fund: - 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. 6. Condition by Collector/DDM: - 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. 7. Compliance report for Transfer of EC: - 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. 8. Other conditions/NOC:- 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.
1.2	<ol style="list-style-type: none"> 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.

S. No	EC Conditions
	<p>2. In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.</p> <p>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.</p> <p>4. Plantation programme to be completed within the first two years and to be maintained in remaining years.</p> <p>5. The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.</p> <p>6. The proponent shall provide Bio- toilet for the workers.</p> <p>7. Project Proponent shall not disturb the water course during mining</p>

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Project Proponent shall inform the SEIAA, Odisha for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
1.2	This Environmental Clearance (EC) is subject to orders/ judgment of Honble Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
1.3	The Project proponent complies with all the statutory requirements and 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 before commencing the mining operations.
1.4	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
1.5	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
1.6	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). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
1.7	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.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.
2.2	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 PM10 and PM2.5 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 equipments/ 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 MoEFCC/ Central Pollution Control Board.
2.3	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.

3. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
3.1	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.
3.2	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.

4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
4.2	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to SEIAA, Odisha as a part of six-monthly compliance report.

5. Mining Plan

S. No	EC Conditions
5.1	<p>Maximum permissible quantity: Maximum yearly quantity of extraction from the quarry shall not exceed the annual limit as specified above under stipulation in Table 'A stipulations'-sl. A(v) i.e. 1035.98 cum/annum as per Annual Rate of Replenishment Study (ARRS) report. Any flouting of this quantitative restriction shall make this EC liable to cancellation.</p>
5.2	<p>Maximum permissible depth: This Environmental Clearance is given with the condition that maximum depth of digging of sand shall be 0.22 m as per ARRS report. Any flouting of this restriction shall make this EC liable to cancellation.</p>
5.3	<p>Annual Replenishment Rate Study of Sand: -The Project Proponent shall carry out Annual Rate of Replenishment study of sand by ORSAC empanel agency or NABET Consultant as per prescribed drone method of MoEF & CC, Govt. of India 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 detailed methodology for finding the rate of replenishment study of sand is laid down in the 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 actual rate of replenishment of mined out sand in the lease area. PP shall carry out Annual Rate of Replenishment Study (ARRS) through ORSAC empanel agency in every year and submit the report to SEIAA, Odisha during submission of EC compliance with attaching real-time geo-coordinating photographs both pre and post monsoon data collection time</p>
5.4	<p>No change in the mining plan without prior approval of SEIAA: - Any change in the calendar plan, change in production quantity or method of mining shall not be made without prior approval of the SEIAA. Mining activity shall adhere to the working parameters of the approved mining plan prepared for this project. The detailed production of sand from the lease area of each year shall be submitted in tabular form during submission of compliance report.</p>
5.5	<p>1. No Working Zone: - The lessee shall ensure that no sand mining is carried out in the areas as specified below: -</p> <ul style="list-style-type: none"> • During the rainy season; • Within the water channel or stream flow area throughout the year; • 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. • The mining or any ancillary activity shall not in any way disturb the flow pattern of the river water during the non-monsoon period. • No stream shall be diverted for the purpose of sand mining and no natural water course shall be obstructed. • Sand mining operations shall not affect the existing sources for irrigation / drinking water / industrial purposes.

S. No	EC Conditions
	<ul style="list-style-type: none"> The natural sand dunes, if any, near or surrounding the lease area shall not be disturbed.

6. Land Reclamation

S. No	EC Conditions
6.1	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.

7. Waste Management

S. No	EC Conditions
7.1	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
7.2	Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plant)

8. Green Belt And Emp

S. No	EC Conditions
8.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
8.2	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant

9. Transportation

S. No	EC Conditions
9.1	<p>1. Transport Safeguards:</p> <ul style="list-style-type: none"> 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/BDO after required strengthening such that the carrying

S. No	EC Conditions
	<p>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.</p> <ul style="list-style-type: none"> • 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. • 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 >30 Kms / hr be allowed. • 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. • 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.
9.2	<p>1. Other Environmental Conditions: -The Project Proponent shall follow all the provisions of Sand Policy of Govt. Of Odisha dated 02.09.2021 for this sand mining project.</p> <ul style="list-style-type: none"> • The Tahasildar/ Mining Officer shall take adequate measures to prevent unauthorized mining; • The project proponent should carry out river bed sand mining manually by engaging local laborers to check over exploitation of sand at the source; • 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. • 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.

10. Green Belt

S. No	EC Conditions
10.1	<p>The PP shall plant 100 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), Jackfruit (Artocarpus heterophyllus), Siris (Albizia lebbeck), 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</p>

11. Public Hearing And Human Health Issues

S. No	EC Conditions
11.1	Issues raised during the public hearing are water pollution and air pollution, local employment, plantation, transport road maintenance, tarpaulin covering of transportation vehicles shall address as per commitment made by the PP.
11.2	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, crèche 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.

12. Corporate Environment Responsibility

S. No	EC Conditions
12.1	The Project Proponent shall submit the time- bound action plan to the SEIAA, Odisha within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the SEAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.
12.2	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. Budget provision for individual EMP of Rs. 5,61,400/-(Capital cost,) Rs. 3.40 Lakh (recurring cost) and Rs. 2.40 Lakh/annum (CER cost) 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.
12.3	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
12.4	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.

13. Miscellaneous

S. No	EC Conditions
13.1	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 proponents website permanently.
13.2	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

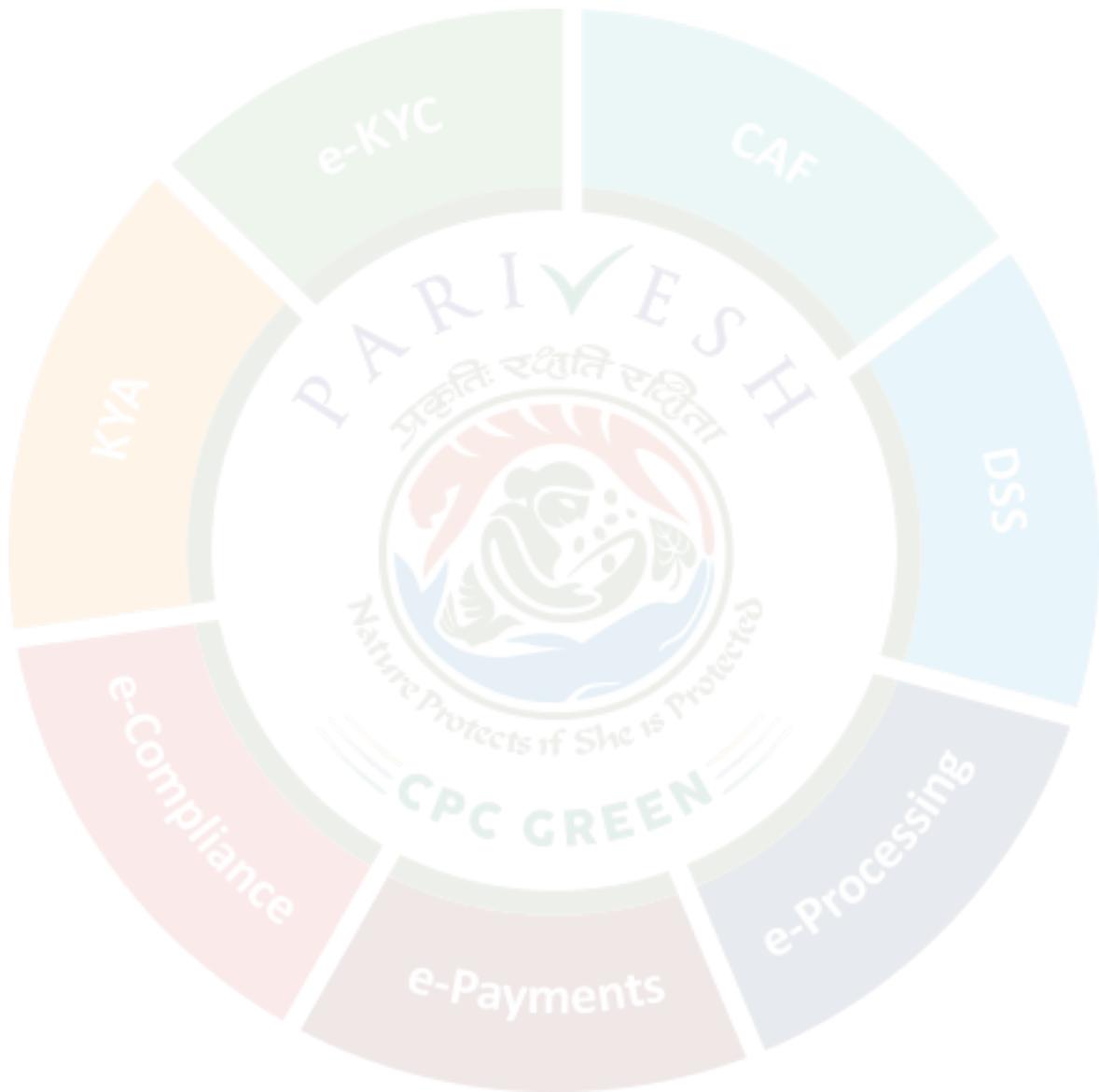
S. No	EC Conditions
	Climate Change at environment clearance portal.
13.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
13.4	The project proponent 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 SEAC.
13.5	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.
13.6	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.
13.7	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).
13.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
13.9	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.
13.10	The project proponent shall inform the SEIAA, Odisha, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
13.11	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.
13.12	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Honble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
13.13	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.
13.14	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

S. No	EC Conditions
	Act, 2010.
13.15	The concerned Regional Office of the MoEF&CC 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.
13.16	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.
13.17	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
13.18	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.
13.19	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
13.20	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.

Additional EC Conditions

1. The replenished quantity of sand **1035.98 cum/annum** with depth of mining **0.22 meter** as per ARRS report is approved for the remaining lease period.
2. The EC is valid for the lease period or 5 years whichever is earlier 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. 5,61,400/- (Capital cost,) Rs. 3.40 Lakh (recurring cost) and Rs. 2.40 Lakh/annum (CER cost) as proposed in the EMP report during EC application.
5. The PP shall plant **100 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), Jackfruit (Artocarpus heterophyllus), Siris (Albizia lebbeck), 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 upload/submit six monthly EC compliance in the Parivesh Portal of MoEF & CC.,

Govt. of India only failing which the EC is liable to be 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 mining of sand from Derenga Sand Quarry over an area of 15.00 Acres or 6.07 hectares at village Derenga, Tahasil-Kaniha, Dist-Angul, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 73 G/4, (F45 N4) and is bounded between the Latitude- 21° 07' 47.80" N to 21° 08' 03.14" N and Longitude – 85° 01' 28.72" E to 85° 01' 51.41" E bearing Khata no. 758, Plot No. 8953/10218, Kissam-Nadi
- (iii) The mining lease is an identified sairat source in the DSR. The Derenga Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Angul to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EIA & EMP, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Angul, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide e Challan Reference Id no. 38290695CC dt. 06.12.2024
- (vii) Distance from nearest sanctuary/ESZ- Tikarpada WLS-150.0 Km
- (viii) Whether the lease area coming in DLC report-No, NA
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized
- (xi) River-Tikira, Depth of sand deposition-2.0 meter
- (xii) Distance from nearest road bridge-2.50 km, Village road-1.30 km,
- (xiii) Whether it is part of cluster – Yes, two quarries (Derenga and Khajuria sand quarry) are coming under single cluster with total cluster area is 12.14 Ha for which already, the SEAC approved the cluster EIA & EMP in its meeting held on 21.03.2024 with recommended that the SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for **Derenga & Khajuria Sand Quarries Cluster** without referring to SEAC with stipulated conditions after receipt of individual applications from the lessee in cluster along with required documents. Again, the cluster proposal was placed in 164th SEIAA, Odisha meeting and the Authority noted that the consultant M/s P&M Solution, Noida stands debarred vide SEIAA, Odisha file no. SEIAA-103/12-2023 dated 06th April, 2024 for submitting any report /documents to SEIAA, Odisha for obtaining EC in terms of provision of EIA Notification, 2006 for a period of six months i.e. upto 5th October, 2024 from the date of issue of the letter. In view of this, the Authority decided that, the PP may await completion of the debarment period of M/s P&M Solution, Noida or submit revised appraisal report (i.e. Form-2, Final EIA&EMP report and other documents related to project) from any other NABET Accredited consultant for consideration of the proposal. Accordingly, the rejection letter was issued on dated 04.05.2024.
- (xiv) Whether EC obtained earlier-Yes, and the mining office has submitted the production details of the two cluster quarries.
- (xv) Date of approval of mining plan- by the Joint Director of Geology, Zonal Survey, Dhenkanal vide letter no. 686 dt. 02.06.2020.
- (xvi) Production capacity per annum-23474 cum/annum (max.), total production in 5 years period-117370cum, Geological reserve-121426cum and Mineable reserve-58684cum.
- (xvii) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide

its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).

- (xviii) **TOR details:** The Terms of Reference (TOR) for Derenga Sand Quarry has been granted vide letter No. 4091/SEIAA, dated 22.02.2022 and for Khajuria Sand Quarry has been granted vide letter No. 4083/SEIAA, Dated 22.02.2022.
- (xix) **Public hearing details:** Public hearing was successfully executed on date 17.09.2022 at Derang Village Playground Infront of Derang G.P Office, Derang village under Kaniha Tahasil of Angul District. Issues raised during the public hearing are water pollution and air pollution, local employment, plantation, transport road maintenance, tarpaulin covering of transportation vehicles.
- (xx) **Replenished Studies:** Replenishment study has been done based on pre and post monsoon surveys carried out in March and December 2022 respectively. As per the information available from the submitted replenishment study report, the pre, and post-monsoon surveys were done by using two nos. handheld GPS and total station. Derenga sand bed (6.07 Ha): The pre and post monsoon surveys have reported 0.18 m average differences in the mRL based on observations taken on 232 grid points (Spacing of 50 m) on the riverbed sand surfaces of the mining lease area. Mineable area is mentioned to be 33700 m² (31.09% less than that mentioned in the approved mining plan) and hence the reported replenished volume of sand is 6066 m³. Khajuria sand bed (6.07 Ha): The pre and post monsoon surveys have reported 0.25 m average differences in the mRL based on observations taken on 274 grid points (Spacing of 50 m) on the riverbed sand surfaces of the mining lease area. The mineable area is mentioned to be 38000 m² (2.5% less than that mentioned in the approved mining plan) and is in good agreement with the same. The reported replenished volume of sand is **9500 m³** as per surface area method. For Derenga sand bed only the mineable area reported in the replenishment study report needs to be reconciled with that mentioned in the approved mining plan.
- (xxi) Green belt- the PP proposed for plantation of 1214 no. of tree species
- (xxii) **Manpower requirement:** Total nos of persons required as manpower for the proposed project is 45 (Cluster).
- (xxiii) **Project cost:** The estimated cost of the proposed project is Rs. 2 Crores. EMP Cost includes the Capital cost of Rs. 10.00 Lakhs and Recurring cost of Rs. 6.00 Lakhs.
- (xxiv) Budget Allocation for cluster quarries

Sl. No.	Measures	Capital Cost (In Rs.)	Recurring Cost (In Rs.)
i)	Pollution Control Dust Suppression /Water Sprinkling	1,92,200	50,000
ii)	Pollution Monitoring i) Air pollution ii) Water pollution iii) Soil Pollution iv) Noise Pollution	--	1,00,000 80,000 40,000 20,000
iii)	Financial aid for Medical Camp in Derenga&Khjauria village.	90,000	30,000
iv)	Provision of Sanitation and Toilets in nearby schools.	1,00,000	50,000
v)	Provision of Water Facility and Installation of RO in Derenga&Khjauria village and nearby schools.	1,00,000	30,000
vi)	Green belt development	2,42,800	1,00,000
vii)	Maintenance of haul road	2,75,000	1,20,000
Total		10,00,000	6,00,000

S. No.	Activity	Capital Cost (in Rs.)/annum
i)	Financial aid for medical camp in Derenga&Khjauria village.	90,000
ii)	Skill development program camps like computer learning, sewing etc. in Derenga&Khjauria village.	1,10,000
iii)	Provision of Sanitation and Toilets in nearby schools.	1,00,000
iv)	Provision of Water Facility and Installation of RO in Derenga village and nearby schools.	1,00,000
TOTAL		4,00,000

- (xxv) Budget provision for individual EMP of Rs. 5,61,400/-(Capital cost,) Rs. 3.40 Lakh (recurring cost) and Rs. 2.40 Lakh/annum (CER cost)
- (xxvi) Any deficiencies/omission have been noticed in the above documents- In the present ARRS report, the PP has mentioned that the common workable area is 4709 sqm and **1035.98 cum** of sand has been replenished in the post monsoon period.

2. **Whether SEAC recommended the proposal** – The proposal was placed in the SEAC meeting held on 21.03.2024 and the SEAC approved the cluster EIA & EMP with recommended that the SEIAA, Odisha may consider to grant Environmental Clearance to individual lease for **Derenga& Khajuria Sand Quarries Cluster** without referring to SEAC with stipulated conditions after receipt of individual applications from the lessee in cluster along with required documents.
3. The proposal was placed in 182nd SEIAA, Odisha meeting held on 18.12.2024 and after detailed deliberation, the authority referred back the proposal to SEAC for scrutinizing and consideration for grant of EC as the SEAC not reaccommodated the individual EC application except recommendation for cluster EIA & EMP.
4. The proposal was placed SEAC meeting held on 20.01.2025 and the SEAC recommended for grant of Environmental Clearance for the proposal valid up to lease period with stipulated conditions.

