



सत्यमेव जयते

File No.: 481777/82-MINB2/06-2024

Government of India

Ministry of Environment, Forest and Climate Change

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



Dated 15/01/2025



To,

SRI SAROJ KUMAR MOHANTY
AT- KILIPAL, TAHASIL- TIRTOL, DIST- JAGATSINGHPUR , ODISHA, 754137
kilipalsand2022@gmail.com

Subject: Grant of prior Environmental Clearance (EC) in respect of increasing production capacity from 20000 cum/annum to 31374 cum/annum and Semi-mechanized method of mining to the proposed Mining Project of Dulupur Chitroptala Sand Quarry 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/481777/2024 dated 19/06/2024 for grant of prior Environmental Clearance (EC) for expansion of the production capacity of sand from 20000 cum/annum to 31374 cum/annum based on Annual rate of Replenishment Study (ARRS) report and for Semi-mechanized method of mining of sand from Dulupur Chitroptala Sand Quarry over an area of 5.00 Ha having Khata No. 579, Plot No. 1 & 5 in village Dulupur under Kishannagar Tahasil of Cuttack District, Odisha to Sri Saroj Kumar Mohanty 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.	EC24C0107OR5258426N
(ii) File No.	481777/82-MINB2/06-2024
(iii) Clearance Type	Mining EC Under 5 Ha
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals Proposal for Expansion of production capacity of EC of Dulupur Chitroptala Sand Quarry over an area of 5.00 Ha having Khata No. 579, Plot No. 1 & 5 in village Dulupur under Kishannagar Tahasil of Cuttack District, Odisha.
(vii) Name of Project	
(ix) Location of Project (District, State)	KHORDHA, 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 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 23rd, 24th & 25th July' 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 23rd, 24th & 25th July' 2024, based on information submitted viz: Form-2, EMP report 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 182nd meeting held on 18.12.2024 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 "increasing production capacity of sand from 20000 cum/annum to 31374 cum/annum with Semi-mechanized method of mining from Dulupur Chitroptala Sand Quarry over an area of 5.00 Ha having Khata No. 579, Plot No. 1 & 5 in village Dulupur under Kishannagar Tahasil of Cuttack District, Odisha to Sri Saroj Kumar Mohanty 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:	12.35 Acres or 5.00 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:	0.76 meter as per the ARRS report
(iv) Method of Mining:	Semi-mechanized method as per modified approved mining plan
(v) Permitted Quantity:	31374 cum/annum for the remaining period of lease as per ARRS report and modified mining plan
(vi) Validity Period of EC:	The EC is valid for 5 years or the remaining 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. 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 for 5 years or the remaining lease period subject to the quantity prescribed in the modified DSR or revised Mining Plan whichever is less.

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

Specific EC Conditions for (Mining Of Minerals)

1. Specific Conditions

S. No	EC Conditions
1.1	<p>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> <p>ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.</p> <p>iii) 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>iv) Plantation programme to be completed within first two years and to be maintained in remaining years.</p> <p>v) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.</p> <p>vi) The proponent shall provide Bio- toilet for the workers.</p> <p>vii) 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 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 the necessary permission from other concerned Authority related to said sand quarry.
1.4	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.5	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

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Major approach roads shall be black topped and properly maintained.
2.2	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.

S. No	EC Conditions
2.3	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.
2.4	Post environmental closure third party monitoring by reputed institution 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 continuous AQMS, site specific water regime. Also third party shall analyse 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	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	Mining shall be carried out under strict adherence to provisions of the OMMC Rules-2016 and Sand Policy of Govt. of Odisha dated 02.09.2021.
4.2	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 SEIAA, Odisha.
4.3	Mining shall be carried out as per the approved mining plan as per OMMC Rules-2016 and as per Sand Policy of Govt. of Odisha dated 02.09.2021
4.4	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.

5. Corporate Environment Responsibility

S. No	EC Conditions
5.1	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5.2	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

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 upload 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 must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
6.7	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
6.8	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.
6.9	The SEIAA, Odisha may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
6.10	The SEIAA, Odisha reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
6.11	The Integrated Regional Office of this Ministry, concerned RO of SPCB, Odisha and lease granting Authority shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and other Authorities by furnishing the requisite data / information/monitoring reports.
6.12	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

S. No	EC Conditions
	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.
6.13	The proponent shall abide by all the commitments and recommendations made in the EMP report and also that during presentation to the SEAC shall also be implemented in letter and spirit.
6.14	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

Additional EC Conditions

1. The replenished quantity of sand **31374 cum/annum** with depth of mining **0.76 meter** as per ARRS report is approved for the remaining lease period.
2. The EC is valid for 5 years or 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.2.0 Lakh/annum** as proposed in the EMP report during EC application.
5. The PP shall plant **250 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 Modification EC based on Mining Plan for semi-mechanized mining and increasing production capacity from 20000 cum to 31374 cum of sand from Dulupur Chitroptala Sand Quarry over an area of 5.00 Ha having Khata No. 579, Plot No. 1 & 5 in village Dulupur under Kishannagar Tahasil of Cuttack District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 73L/3 and is bounded between the Latitude - 20°23'20.92" N to 20°23'31.36"N & Longitude 86°13'06.37" to 86°13'24.58"E bearing Khata no.579, Plot no. 1, 5, Kissam-Nadi
- (iii) The mining lease is an identified sairat source in the DSR. The Dulupur Chitroptala Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Kishannagar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, 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. 35A55BDC74 dt. 07.04.2023 (The amount submitted during earlier EC)
- (vii) Distance from nearest sanctuary/ESZ- Chandaka WLS-45.0 Km
- (viii) Whether the lease area coming in DLC report-No N/A
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized
- (xi) River-Chitroptala, Depth of sand deposition-2.0 meter,
- (xii) Distance from nearest road bridge-3.0 km, village road -0.50 km
- (xiii) Whether it is part of cluster –No.
- (xiv) Whether EC obtained earlier-Yes, the PP has obtained EC from SEIAA, Odisha vide letter no. 8727/SEIAA dt. 17.08.2020 with allowing 1st year production quantity of 3000 cum subject to submission of ARRS report by August 2021. Accordingly, the EC was issued vide EC Identification No. - EC24B001OR193097 dated 25.04.2024 with allowing extraction quantity of sand 20000 cum/annum or remaining lease period as per ARRS report.
- (xv) Date of approval of Modified mining plan- the Deputy Director of Geology, Directorate of Geology, Bhubaneswar vide letter no.5677 dt.04.06.2024.
- (xvi) Production capacity per annum-31374 cum/annum (max.), total production in 2 years period-62748 cum, Geological reserve-72508 cum and Mineable reserve-31374 cum.
- (xvii) Whether the DSR has 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- No
- (xviii) The EMP budget provision of Rs. 2.0/- Lakh/annum
- (xix) The PP has submitted ARRS report by Areal Constructions & Geo-India Services (A Construction & GIS Based Consultancy) (ORSAC Empanelment Agencies) with mentioned that Pre-Monsoon Standard Elevation = 21.15928, Post-Monsoon Standard Elevation = 22.56564, volume of sand replenished 55082 cum and proposed production is 20000 cum/annum.
- (xx) Any deficiencies/omission have been noticed in the above documents- Not complied the earlier EC conditions also not mentioned the quantity sand extracted against the approved quantity in EC

letter. Not submitted ARRS report and **scrutiny fee.**

2. **Whether SEAC recommended the proposal – Yes**, the proposal was placed in the SEAC meeting held on 23rd, 24th & 25th July' 2024 and The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.

- (i) 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.
- (ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- (iii) 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.
- (iv) Plantation programme to be completed within first two years and to be maintained in remaining years.
- (v) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
- (vi) The proponent shall provide Bio- toilet for the workers.
- (vii) Project Proponent shall not disturb the water course during mining

