



File No: 516196/177-MINB2/12-2024

Government of India

Ministry of Environment, Forest and Climate Change

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



Dated 04/08/2025



To,

SRI NIRANJAN SWAIN
S/o- Subash Chandra Swain
AT-GULIPATNA, VIL/PS- UMERKOTE, NABARANGPUR, ODISHA, 764073
minedabugaon@gmail.com

Subject: Grant of EC 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/516196/2024 dated 28/12/2024 for grant of prior Environmental Clearance (EC) to the project of Badaoolma Sand Quarry-I over an area of 9.9 acres or 4.0 hectares bearing Khata no.-326, Plot no.-778, 855&760 in Village Badaoolma, Tahasil-Dabugaon, District-Nabarangpur, State Odisha submitted under cluster approach with consisting of 3 sand quarries in favour of Sri. Niranjana Swain, successful bidder/lessee 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.	EC24C0107OR5778162N
(ii) File No.	516196/177-MINB2/12-2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals Badaoolma Sand Quarry- I over an area of 9.9 acres or 4.0 hectares bearing Khata no. - 326, Plot no. - 778, 855 & 760 in Village Badaoolma, Tahasil Dabugaon, District Nabarangpur, State Odisha submitted under cluster approach with consisting of 3 sand quarries.
(vii) Name of Project	NIRANJAN SWAIN
(viii) Name of Company/Organization	NABARANGPUR, ODISHA
(ix) Location of Project (District, State)	SEIAA, Odisha
(x) Issuing Authority	no
(xi) Applicability of General Conditions	

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-2, EIA & EMP, Public Hearing Proceeding, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Nabarangpur, topo map etc. were submitted to the SEIAA, Odisha for an appraisal by the State level Expert Appraisal Committee (SEAC) under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by SEAC in the meeting held on 29.05.2025. The minutes of the meeting and all the project documents are available on the 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 as presented during SEAC are annexed to this EC as Annexure (2).
6. The SEAC, in its meeting held on 29.05.2025, based on information submitted viz: Form-2, EIA & EMP, Public Hearing Proceeding, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Nabarangpur, topo map 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 SEIAA, Odisha has examined the proposal in 211th meeting held on 24.06.2025 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 of Badaoolma Sand Quarry-I over an area of 9.9 acres or 4.0 hectares bearing Khata no.-326, Plot no.-778, 855&760 in Village Badaoolma, Tahasil-Dabugaon, District-Nabarangpur, State Odisha submitted under cluster approach consisting of 3 sand quarries to Sri. Niranjan Swain, the successful bidder/lessee 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:	9.90 Acres or 4.00 Ha.
		1. 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
		2. 7.5-meter safety zone from all sides of lease boundary.
(ii)	No Mining Zone:	3. 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.
		4. The PP shall maintain 7.5 meters as no mining zone from the embankment as stipulated in the sustainable sand mining guideline, 2016. The Mining Officer shall ensure the compliance of the condition during mining operation.
(iii)	Maximum Depth of Mining:	0.5 meter as per Approved Mining Plan
(iv)	Method of Mining:	The method of mining shall be as per the approved Mining Plan.
(v)	Permitted Quantity:	6720 cum for the 1 st year and 6720 for the 2 nd year
(vi)	Validity Period of EC:	The EC is valid for 1year & 2nd year from the date of this EC letter.

- (vii) ARRS report The Annual Rate of Replenishment Study (ARRS) is to be conducted through ORSAC empanel agency or NABET Consultant as per the prescribed guidelines and the PP shall submit the report latest by **31st December, 2027**.

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. The EC is valid for 1st year & 2nd year from the date of this EC letter.

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. An action plan for implementing EMP and environmental conditions along with a 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 a separate account and not to be diverted for any other purpose. Six monthly progress of implementation of the 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 MoEF & CC, Bhubaneswar, SPCB, Odisha and the 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 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. Additional Chief Secretary, Forest, Environment & Climate Change Dept., Government of Odisha for information.
2. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
3. The Director of Mines, Steel & Mines Dept, Govt. of Odisha Bhubaneswar for information.
4. Additional Principal Conservator of Forests, Integrated Regional Office (IRO), Ministry of Environment & Forests, A-

31, Chandrasekharpur, Bhubaneswar for information.

5. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032 for information.

6. Chairman/Member/Member Secretary, SEIAA for information.

7. Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.

8. Collector & DM, Nabarangpur, Sub-Collector, Nabarangpur, Deputy Director of Mines, Koraput, DFO, Nabarangpur, RO, SPCB, Koraput, Tahasildar, Dabugaon and Mining Officer, Nabarangpur for Information and necessary action.

9. Guard file for record/Website/Parivesh Portal

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Condition

S. No	EC Conditions
1.1	1. A no mining zone of 500 meter shall be demarcated from the existing road bridge in the downstream. 2. 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. 3. In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured. 4. 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. 5. Plantation programme to be completed within the first two years and to be maintained in remaining years. 6. The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020. 7. The proponent shall provide Bio- toilet for the workers. 8. Project Proponent shall not disturb the water course during mining
1.2	1. ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED WITH BY THE TAHASILDAR/MINING OFFICER BEFORE LEASE AGREEMENT: 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

S. No	EC Conditions
	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. 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. 5. Condition by Collector: - 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. 6. 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. 7. 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.
1.3	B. ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED ON FIELD AFTER THE LEASE AGREEMENT 1. Maximum permissible depth: This Environmental Clearance is given with the condition that maximum depth of digging of sand shall be 0.5 m as per approved mining plan. Any flouting of this restriction shall make this EC liable to cancellation. 2. 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. 6720 cum for the 1st year and 6720 for the 2nd year with average depth of mining 0.50 meter . Any flouting of this quantitative restriction shall make this EC liable to cancellation. 3. 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 by 31st December, 2027. 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 with attaching real-time geo-coordinating photographs both pre and post monsoon data collection time.

S. No	EC Conditions
	4. 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. 5. Environmental Management Plan: EMP shall be implemented by PP to ensure compliance with the environmental conditions specified above. The year wise funds earmarked for environmental protection measures shall be kept in a separate account and shall be spent according to the plan proposed in EMP. The PP will implement the EMP with a budgetary allocation of Rs. 4.75 Lakh (Capital Cost) and Rs. 2.75 lakh (Recurring Cost), CER Cost is Rs. 0.60 Lakh/annum (As per Public Hearing issues) . Year wise progress of implementation of EMP shall be reported to the SEIAA, Odisha and OSPCB along with the compliance report. The Tahasildar/Mining Officer shall ensure the compliance of this condition along with all leaseholders of his jurisdiction. 6. Common Forum for EMP:- All the individual quarry lessee holders coming under the Tahasil may create a common forum in coordination with the Tahasildar/ Mining Officer and contribute funds to it for grading, compaction and maintenance of haulage road, provision of water spray on the village road to control particulate matter (dust particles) pollution in surrounding air during transportation from the quarry, and provision of thick, multilayer and a continuous green belt around the lease area excluding the entry and exit gate for prevention of environmental pollution and noise during mining activity

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
1.2	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 prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area).
1.4	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation)

S. No	EC Conditions
	Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
1.5	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.
1.6	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
1.7	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.
1.8	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
1.9	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.
1.10	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
1.11	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.
1.12	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.
1.13	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	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.

S. No	EC Conditions
2.2	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.
2.3	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.4	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

3. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
3.1	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
3.2	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.
3.3	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	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
4.2	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.

5. Energy Conservation Measures

S. No	EC Conditions
5.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
5.2	Provide LED lights in their offices and residential areas.

6. Mining Plan

S. No	EC Conditions
6.1	No Working Zone: - The lessee shall ensure that no sand mining is carried out in the areas as specified below: - • 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. • The natural sand dunes, if any, near or surrounding the lease area shall not be disturbed

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 PP shall plant 400 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 photograph.
8.2	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.

S. No	EC Conditions
8.3	The PP shall implement the EMP with a budgetary allocation of Rs. 4.75 Lakh (Capital Cost) and Rs. 2.75 lakh (Recurring Cost), CER Cost is Rs. 0.60 Lakh/annum (As per Public Hearing Issues) as proposed in the EMP report during EC application.

9. Transportation

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

S. No	EC Conditions
	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.

10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
10.2	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.3	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
10.4	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
10.5	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.

11. Corporate Environment Responsibility

S. No	EC Conditions
11.1	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
11.2	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. 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.
11.3	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking

S. No	EC Conditions
	the activities committed during public consultation by the project proponent and as discussed by the EAC, 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.
11.4	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for 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. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest I wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
11.5	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.

12. Miscellaneous

S. No	EC Conditions
12.1	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.
12.2	The project proponent shall inform the Regional Office as well as the Ministry, 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.
12.3	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
12.4	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.
12.5	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
12.6	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.
12.7	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

S. No	EC Conditions
	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.
12.8	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.
12.9	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.
12.10	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.
12.11	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.
12.12	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
12.13	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.
12.14	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.
12.15	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.
12.16	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.
12.17	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.
12.18	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.
12.19	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.

S. No	EC Conditions
	• 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

13. Corporate Environment Responsibility (Cer)

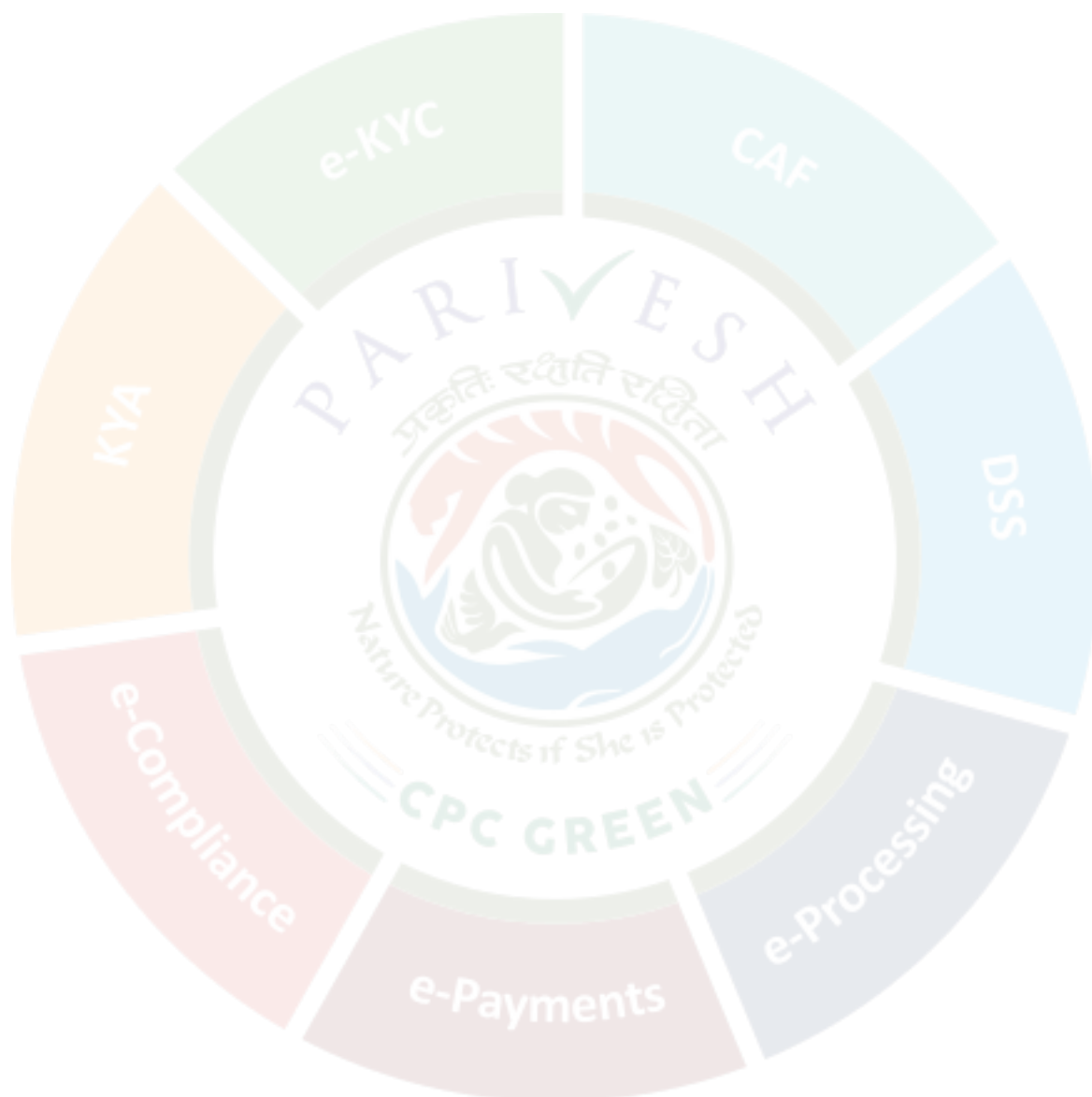
S. No	EC Conditions
13.1	The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, 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.

Additional EC Conditions

1. The extraction quantity of sand shall be limited to **6720 cum for the 1st year** and **6720 for the 2nd year** with average depth of mining **0.50 meter** as per the approved mining plan.
2. The Annual Rate of Replenishment Study (ARRS) is to be conducted through ORSAC empanel agency or NABET Consultant as per the prescribed guidelines of MoEF & CC on Enforcement and Monitoring Guidelines for Sand Mining 2020 and the PP shall submit the report latest by **31st December, 2027**.
3. The PP shall maintain 7.5 meter as no mining zone from the embankment. The Mining Officer shall ensure that no sand shall be extracted from the river embankment within 7.5 meters distance during mining operation.
4. The EC is valid for 1 year from the date of this EC letter.
5. The PP shall implement the EMP with a budgetary allocation of **Rs. 4.75 Lakh (Capital Cost) and Rs. 2.75 lakh (Recurring Cost), CER Cost is Rs. 0.60 Lakh/annum** (based on the Public Hearing issues) as proposed in the EMP report during EC application.
6. The PP shall plant **400 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.
7. 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.
8. The project proponent shall ensure that the biological clock of the villagers is not disturbed. The floodlights should be oriented away from the villagers and the noise levels should be kept within the prescribed limit for day light/night

hours.

9. No natural water course shall be obstructed or diverted for the purpose of sand mining
10. The PP is required to upload/submit the six (06) monthly compliance on the environmental condition stipulated in the EC letter in a timely manner on or before 1st June and 1st December of each calendar year in Parivesh Portal 2.0 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 SEIAA, are given as under.

- (i) This is a proposal for EC of Badaoolma Sand Quarry- I over an area of 9.9 acres or 4.0 hectares bearing Khata no.-326, Plot no.-778, 855&760 in Village Badaoolma, Tahasil Dabugaon, District-Nabarangpur, State Odisha submitted under cluster approach with consisting of 3 sand quarries.
- (ii) The mining area is a part of Survey of India Topo sheet No. 73G/4, 65I/7 and is bounded between the Latitude- $-19^{\circ}23'54.97''\text{N}$ to $19^{\circ}23'44.26''\text{N}$. and longitudes of $82^{\circ}13'57.82''\text{E}$ to $82^{\circ}19'09.25''\text{E}$. bearing Khata no. 326, Plot No. 778, 855 & 760, Kissam-Nadi
- (iii) The mining lease is an identified sairat source in the DSR. The Badaoolma Sand Quarry- I Sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Nabarangpur 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, Public hearing proceeding, ARRS report, ToR Copy, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Nabarangpur, Topomap etc.
- (v) Whether submitted KML file of the lease area- Yes and observed that nearest road bridge is located 0.30 Km away from the proposed quarry lease boundary.
- (vi) Whether submitted scrutiny fee- Yes
- (vii) Distance from nearest sanctuary/ESZ - Sunabeda WLS-122.0 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-Manual
- (xi) River-Angi, Depth of sand deposition- 1.2 meter
- (xii) Distance from nearest road bridge-0.30 km, Village Road-0.50 Km, River Embankment-0.30 Km
- (xiii) Whether it is part of cluster – Yes, Badaoolma Sand Quarry- I, II & III are coming under cluster and total cluster area is 23.19 acres or 9.373 Ha and as per SEAC recommendation on 25.07.2024, the cluster EIA & EMP was approved SEIAA vide letter no. 6105/SEIAA dated 13.11.2024 and suggested to the PP for individual EC application with required documents.
- (xiv) Whether EC obtained earlier-No
- (xv) Date of approval of mining plan- by the DDG & Authorized officer at O/o- Joint Director Geology, Zonal Survey, Koraput vide letter no. 595 dt. 08.09.2023.
- (xvi) Production capacity per annum-6720 cum/annum with depth of mining 0.5 meter and total production in 5 years period-33600 cum, Geological reserve-72252 cum and Mineable reserve - 24340 cum.
- (xvii) ToR was issue vide letter no. 649/SEIAA dated 26.02.2021 for cluster sand quarries
- (xviii) Public Hearing was conducted on 20.07.2022 at GP Office of Badaoolama Village, Dabugaon, Nabarangpur and the issue raised in the PH are overloading vehicles and plying in village road may damage the road, transporting vehicles may enter in the private agricultural land, adequate plantation, maintenance of transporting road, peripheral development, mitigation measure for dust pollution during vehicle transportation, extraction of sand as per Govt. rules and the project Authority committed to take initiative as per the Public demand.
- (xix) The PP has submitted the replenishment study report as per ToR done by M/s. P & M Solution with mentioned that the pre-monsoon date was taken on 12.04.2022 and post-

monsoon on 16.11.2022 and Pre- Monsoon Standard Elevation =566.00m and Post-Monsoon Standard Elevation =566.95m and quantity of sand replenished **16057 cum** with depth 0.95 m an approved annual production is 6720 cum/annum.

(xx) Budget provision for EMP of Rs. 4.75 Lakh (Capital Cost) and Rs. 2.75 lakh (Recurring Cost), CER Cost is Rs. 0.60 Lakh/annum

(xxi) Provision for plantation-400 no. of tree species in 5 years lease period.

(xxii) Any deficiencies/omission have been noticed in the above documents- Nil

2. **Deliberation in SEAC Meeting-** The proposal was placed in SEAC meeting held on 29.05.2025 and the SEAC decided to recommend the proposal for grant of EC with annual production of 16027 cum as per Replenishment Study Report 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.
- (viii) Safety distance from bridge to be left as no mining zone (as per sand guidelines 2020) along with other safety measures informed by the PP

