



सत्यमेव जयते

File No: 514634/160-MINB2/12-2024

Government of India

Ministry of Environment, Forest and Climate Change

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

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Dated 27/03/2025



To,

SI BINOD KUMAR SAHU  
At/Po-Sihini, Ps-Titlagarh, Dist.-Balangir, Odisha, BALANGIR, ODISHA, 767066  
sahubinod1972@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/514634/2024 dated 14/12/2024 for grant of Environmental Clearance (EC) in respect of project proposal proposed for extraction of construction road metals from Sihini-II Stone Quarry over an area of 2.00Acres or 0.809 Hectares in village Sihini under Titlagarh Tahasil of Balangir District, Odisha in favor of Sri Binod Sahu EC under the provision of the EIA Notification 2006-regarding.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0108OR5207346N
(ii) File No.	514634/160-MINB2/12-2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals Proposal for fresh Environmental Clearance of Sihini-II Stone Quarry over an area of 2.00Acres or 0.809 Hectares in village Sihini under Titlagarh tahasil of Balangir district.
(vii) Name of Project	
(viii) Name of Company/Organization	BINOD SAHU
(ix) Location of Project (District, State)	BALANGIR, ODISHA
(x) Issuing Authority	SEIAA, Odisha
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. In view of the particulars given in the Para-1 above, the project proposal interalia including Form-2, PFR, EMP, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Balangir, topo map etc. 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.
4. The above-mentioned proposal has been considered by SEAC in its meeting held on 27.01.2025. The minutes of the meeting and all the project documents are available on Parivesh portal which can be accessed from the Parivesh portal by scanning the QR Code above:
5. The details of minerals to be mined out 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 before SEAC are annexed in Annexure- 2.
6. The SEAC, in its meeting held on 27.01.2025, based on information submitted viz: Form-2, PFR, EMP, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Balangir, topo map etc. & clarifications submitted by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period with standard and additional conditions.
7. The SEIAA, Odisha has examined the proposal in 191<sup>st</sup> meeting held on 04.03.2025 in accordance with the extant provisions of the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEAC and hereby accords Environment Clearance for the instant proposal for mining of stone from Sihini-II Stone Quarry over an area of 2.00Acres or 0.809 Hectares in village Sihini under Titlagarh tahasil of Balangir District, Odisha to Sri Binod Sahu 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.

#### Stipulation

Sl.	Descriptions	Stipulation
(i)	Lease Area:	2.00 Acres or 0.809 Ha
(ii)	No Mining Zone:	7.5meter safety zone from all along the lease boundary.
(iii)	Maximum Depth of Mining:	Maximum 6.00 Mtr. from the ground level/surface level of this area as stipulated in rule 37(1)(a) of the OMMC Rule, 2016.
(iv)	Method of Mining	Semi-mechanized with drilling and blasting
(v)	Permitted Quantity:	1st year- 2173.50 cum/annum
		2nd year-2173.50 cum/annum
		3rd year-2173.50 cum/annum
		4th year-2173.50 cum/annum
		5th year-2173.50 cum/annum
		Total production in the 5 years lease period will be 10867.50 cum.
(vi)	Validity Period of EC:	This EC is valid for 5 years from date of lease execution or for upto lease period whichever is earlier

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. This EC is valid for 5 years from date of lease execution or for upto lease period 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 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 this MoEF&CC, SPCB 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 authority 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. The Director of Minor Minerals, Govt. of Odisha Bhubaneswar for information.
5. Additional Principal Conservator of Forests, Integrated Regional Office (IRO), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubaneswar for information.
6. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032 for information.
7. Chairman/Member/Member Secretary, SEIAA for information.
8. Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.
9. Collector & DM, Balangir, Sub-Collector, Balangir, Deputy Director of Mines, Balangir, DFO, Balangir, RO, SPCB, Balangir, Tahasildar, Titlagarh/Mining Officer, Balangir for Information and necessary action.
10. Guard file for record/Website/Parivesh Portal

1. Specific Condition

S. No	EC Conditions
1.1	<ol style="list-style-type: none"> <li>1. Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.</li> <li>2. In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.</li> <li>3. Plantation programme to be completed within the first two years and to be maintained in remaining years.</li> <li>4. Depth of Mining as proposed should not be beyond 6m from the ground level.</li> <li>5. Mitigation measures for flying Rock for safety be put in place.</li> <li>6. Stone quarry project proponents need to maintain periodic health check-up records of their employees and ensure use of face masks by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.</li> <li>7. The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.</li> <li>8. Construction of garland drains retaining walls and settling tanks should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.</li> <li>9. All the dumps shall be covered by retaining walls, garland drains and settling ponds.</li> <li>10. No explosives shall be stored without approval of competent authority and all the precautions for blasting shall be put in place.</li> <li>11. The Working pit shall be fenced.</li> <li>12. No tree growth in the lease area if present shall be damaged</li> <li>13. Topsoil excavated during mining to be stacked separately in the ML area and to be used for plantation in and around the ML area.</li> <li>14. The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. in compliance to the direction dated 8th January, 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No. 114/2014, Common Cause Vs Union of India &amp; Ors. after ceasing mining operation that is at the time of mine closure.</li> <li>15. The project proponent shall take geo-coordinating photographs of the lease area before mining and also subsequent period of mining and submit to SEIAA, Odisha in six (06) months EC compliance</li> </ol>
1.2	<p><b>Before lease agreement</b></p> <ol style="list-style-type: none"> <li>1. <b>Boundary Demarcation:</b> - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates by any empanelled agency of ORSAC.</li> </ol>

S. No	EC Conditions
	<p>2. <b>Digital Map:</b> -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the Tahasildar/Mining officer shall be submitted to SEIAA, Odisha through email at <a href="mailto:seiaaodisha@gmail.com">seiaaodisha@gmail.com</a>.</p> <p>3. <b>Intimation of EC:</b> -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt. The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board and web site of the Ministry of Environment, Forest and Climate Change (<a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a>). A copy of the advertisement may be forwarded to the concerned MoEF&amp;CC Regional Office for compliance and record.</p> <p>4. <b>State EMF Fund:</b> - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the Tahasildar/Mining Officer and deposited to the State Environment Management Fund, which will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken.</p> <p>5. <b>Condition by Collector:</b> - Any other condition(s) the Collector &amp; Chairman, District Environment Impact Assessment Authority (DEIAA), may impose in the interest of protection and safeguarding the local environment.</p> <p>6. <b>Compliance report for Transfer of EC:</b> - Any transfer of EC to a PP/Lessee shall be considered by SEIAA, Odisha only after receipt of the full compliance report through Tahasildar/Mining Officer concerned of the above environmental conditions and safeguards.</p> <p>7. <b>Other conditions/NOC:-</b> Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.</p> <p><b>After lease agreement</b></p> <p>1. The Project Proponent (PP) shall revise the DSR as per minerals deposit along with final coordinates to be ensured by the concerned lease granting Authority.</p> <p>2. The boundary area of the deposit as per the revised /updated DSR to be defined by geo-coordinates based on DGPS survey superimposed on the cadastral map.</p> <p>3. Mitigation measures for flying Rock for safety of human beings and animals during blasting to be ensured by the project proponent.</p> <p>4. The project proponent needs to maintain periodic health check-up records of their employees and ensure use of face masks by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.</p> <p>5. Construction of garland drains retaining walls and settling tanks should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.</p> <p>6. Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.</p> <p>7. Topsoil excavated during mining to be stacked separately in the ML area and to be used for plantation in and around the ML area.</p> <p>8. The project proponent shall undertake re-grassing of the area or any other area which may have</p>

S. No	EC Conditions
	<p>been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. in compliance to the direction dated 8th January, 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No. 114/2014, Common Cause Vs Union of India &amp; Ors. after ceasing mining operation that is at the time of mine closure.</p> <p>9. The project proponent shall take geo-coordinating photographs of the lease area before mining and also subsequent period of mining and submit to SEIAA, Odisha in six (06) months EC compliance.</p>

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

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
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 clearance from the National Board for Wildlife, if applicable.
1.5	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
1.6	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.
1.7	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.
1.8	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.
1.9	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

S. No	EC Conditions
	Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
1.10	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area."
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 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 ( <a href="http://www.parivesh.nic.in">www.parivesh.nic.in</a> ). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
1.14	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.

2.

S. No	EC Conditions
2.1	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
2.2	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.

### 3. Air Quality Monitoring And Preservation

S. No	EC Conditions
3.1	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.
3.2	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.

#### 4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall practice rainwater harvesting to maximum possible extent.
4.2	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.3	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.

#### 5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	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.
5.2	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.

#### 6. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
6.1	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
6.2	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

S. No	EC Conditions
	are working without personal protective equipment.
6.3	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.

## 7. Energy Conservation Measures

S. No	EC Conditions
7.1	Provide LED lights in their offices and residential areas.
7.2	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;

## 8. Mining Plan

S. No	EC Conditions
8.1	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working ( method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).
8.2	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.
8.3	<p><b>No Mining Zone:</b> The lessee shall ensure that no quarrying or mining is carried out in the areas as specified below: -</p> <ol style="list-style-type: none"> <li>7.5-meter safety zone shall be kept from all sides of the lease boundary as per the approved mining plan.</li> <li>within 100m (minimum distance criteria when blasting is not involved) and within 200m (minimum distance criteria when blasting is involved) from residential/ public buildings, inhabited sites, protected monuments, Heritage sites, National/State Highway, District roads, public roads, Railway line/area, Ropeway or Ropeway trestle or station, Bridges, Dam, Reservoirs, river, Canals, lakes or Tanks, or any other locations etc.</li> <li>below ground water table under any circumstances. If ground water table occurs /intervenes</li> </ol>

S. No	EC Conditions
	<p>within the permitted mining depth, then the quarrying shall be stopped immediately;</p> <p>4. in the vicinity of natural /manmade archeological sites;</p>

### 9. Land Reclamation

S. No	EC Conditions
9.1	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.
9.2	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
9.3	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.
9.4	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.

### 10. Waste Management

S. No	EC Conditions
10.1	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
10.2	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)

### 11. Transportation

S. No	EC Conditions
11.1	<p>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].</p>
11.2	<p>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.</p>
11.3	<p><b>Transport Safeguards:</b></p> <ol style="list-style-type: none"> <li>1. No transportation of the minerals shall be allowed on any road passing through villages/habitations without prior explicit permission.</li> <li>2. Transportation of minerals through existing rural roads can be allowed only by the concerned Govt. Department/ Gram Panchayat/BDO after required strengthening such that the carrying capacity of the road is increased to handle the mineral carrying truck traffic. The project proponent shall bear the cost towards the widening and strengthening of existing public roads in case the same is proposed to be used for the project.</li> <li>3. Project proponents shall ensure that the transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and traffic density.</li> <li>4. Vehicles hired for transportation of minor minerals from the site should be in good condition and should have pollution check certificates and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. Speed of vehicle be regulated and in no case &gt;30 Kms / hr be allowed.</li> <li>5. The vehicles shall not be overloaded and shall be covered with Tarpaulin. The Tahasildar/Mining Officer may collect an appropriate additional road maintenance levy from the lessee as part of the lease conditions on the basis of quantum of mineral transported, and utilize the proceeds of the levy for proper maintenance of the extraction paths and roads to prevent their degradation on account of plying of mineral carrying trucks.</li> <li>6. Water spraying should be made on the village road to control particulate matter (dust particles) pollution in surrounding air during transportation from the quarry. Garland drain shall be constructed on the hill slope to arrest downward flow of particulate matter with rainwater.</li> </ol>

S. No	EC Conditions
11.4	<p><b>Other Environmental Conditions: -</b></p> <ol style="list-style-type: none"> <li>1. The lessee shall ensure safety of human life and livestock from accidents in case the village / any habitation is very near the mining lease area.</li> <li>2. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purposes.</li> <li>3. Dumping of quarry material is in no case permissible on any forest land; and all dump yards shall be on duly permitted non forest land.</li> <li>4. Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling, and trans-boundary movement) Rules, 2008 and its amendments thereof to the recyclers authorized by SPCB, Odisha.</li> <li>5. At the end of mine closure, the proponent shall immediately remove all the sheds put up in the quarry and all the equipment in the area before closure of the quarry.</li> <li>6. Permanent barricading/barbed wire fencing of the mining lease area site shall be done after completion of mining activities to prevent any danger for stray animals and human habitations from accidents.</li> <li>7. The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and complete this work before abandonment of mine. Filling of the ditch by fly ash is to be ensured by the lessee, as also fencing the area, guard wall for safety of cattle &amp; traffic.</li> </ol>

## 12. Green Belt And Emp

S. No	EC Conditions
12.1	<p>The PP shall implement the EMP with a budgetary allocation of <b>Rs. 14,55,500/- (Capital Cost) and Rs. 4,81,000/- (Recurring Cost) and Rs. 50,000/-per annum (Village welfare Activities)</b> has been proposed in the EMP report as proposed in the EMP report during EC application.</p>
12.2	<p>1. The PP shall plant <b>420 nos. of tree species</b> like Banyan (Ficus benghalensis), Peepal(Ficus religiosa), Neem (Azadirachta indica), Jamun(Syzygium cumini), Mango(Mangifera indica), Karanj (Pongamia pinnata), Arjun (Terminalia Arjuna), Jackfruit (Artocarpus heterophyllus), Siris (Albizia lebbeck), etc.. as part of tree plantation campaign "<b>Ek Ped Maa Ke Naam</b>" and the details of the same shall be uploaded in the MeriLiFE Portal (<a href="https://merilife.nic.in">https://merilife.nic.in</a>).The PP shall submit the status of plantation during every six-months (06) compliance of EC conditions with geo-coordinating photographs.</p>

## 13. Green Belt

S. No	EC Conditions
13.1	<p>The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining</p>

S. No	EC Conditions
	operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

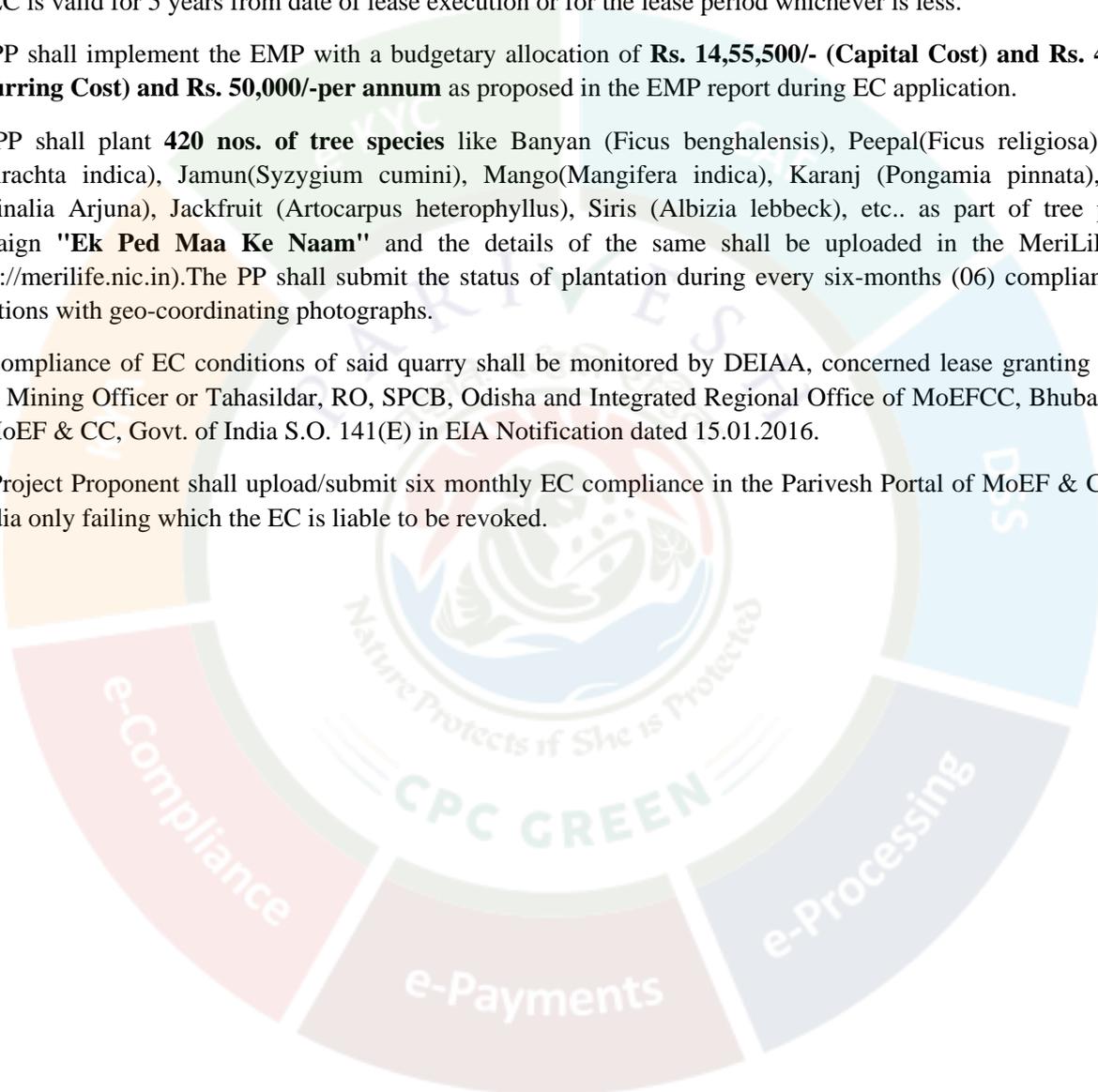
#### 14. Miscellaneous

S. No	EC Conditions
14.1	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.
14.2	The project proponent shall monitor the criteria pollutants level namely; PM10, S02, 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.
14.3	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.
14.4	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.
14.5	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.
14.6	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.
14.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
14.8	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.
14.9	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.
14.10	No further expansion or modifications in the plant shall be carried out without prior approval of the

S. No	EC Conditions
	SEIAA, Odisha.
14.11	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.
14.12	The project proponent shall abide by all the commitments and recommendations made in the EMP report, commitment made during Public Hearing and also that during their presentation to the State Level Expert Appraisal Committee (SEAC).
14.13	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.
14.14	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.
14.15	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.
14.16	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.
14.17	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.
14.18	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.
14.19	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.
14.20	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.
14.21	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 Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to **2173.5 cum/annum**, total production in 5 years period- **10867.50 cum**.
2. The Project Proponent (PP) shall maintain the minimum distance 200 meter from the nearest infrastructure (i.e. residential, public buildings, inhabited sites, protected monuments, public roads, railway lines, bridges, dams, reservoirs, rivers, lakes or any other locations to be considered by states) to mining operation area as per CPCB guidelines dated 12.05.2020 based on the Hon'ble NGT order dated 28.02.2020 in OA No. 304/2019 and also as per approved mining plan
3. The DSR of Koraput District is submitted online for approval of SEAC & SEIAA is under consideration. Hence, the EC is granted subject to inclusion of mining source in the revised DSR.
4. The EC is valid for 5 years from date of lease execution or for the lease period whichever is less.
5. The PP shall implement the EMP with a budgetary allocation of **Rs. 14,55,500/- (Capital Cost) and Rs. 4,81,000/- (Recurring Cost) and Rs. 50,000/-per annum** as proposed in the EMP report during EC application.
6. The PP shall plant **420 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 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 EC of Sihini-II Stone Quarry over an area of 2.00 Acres or 0.809 Hectares in village Sihini under Titlagarh tahasil of Balangir District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 64P/3 and the lease area bounded by Latitude: 20° 15' 43.94" N to 20° 15' 45.82" N and Longitude 83° 08' 01.77" E to 83° 08' 06.36" bearing Khata no.233 and Plot no.108, Kissam-Pathar Chatan.
- (iii) The mining lease is an identified sairat source in the DSR. The Sihini-II Stone Quarry sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Balangir to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, EMP, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Balangir, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes, of Rs.1000/- vide e Challan Reference Id No. 3817D6FF03 dated 18/09/2024.
- (vii) Distance from nearest sanctuary/ESZ- Sunabeda WLS -64 Km
- (viii) Whether the lease area coming in DLC report-No, as certified by Mining Officer, Balangir vide letter no. Nil dated 14.11.2024
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Semi-mechanized with drilling & Blasting
- (xi) Distance from nearest road bridge-2.48 km, village road 0.49 km, Pond-0.16 Km
- (xii) Whether it is part of cluster –Yes, Sihini-II Stone Quarry Lease Area: 0.809 Ha./2.00 Acres and Sihini Stone Quarry Lease Area: 1.214 Ha./3.00 Acres & Turla Stone Quarry Lease Area: 1.618 Ha./4.00 Acres are coming under cluster with total 3 quarries having lease area 9.00 acres /3.641 Ha. The PP has submitted cluster EMP.
- (xiii) Whether EC obtained earlier-Yes but not submitted earlier EC copy and its compliance.
- (xiv) Date of approval of Progressive mining closer plan - the Joint Director Geology, I/C Zonal Survey, Balangir vide letter no. Nil dated 11.09.2024.
- (xv) As per approved mining plan the Geological reserve of the quarry is 66960 cum, Mineable reserve is 38650.50 cum, annual production will be **2173.50/annum** and total production in 5 years is 10867.50 cum.
- (xvi) 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**
- (xvii) Budget for EMP- Rs. 14,55,500/- (Capital Cost) and Rs. 4,81,000/- (Recurring Cost) and Rs. 50,000/-per annum (Village welfare Activities) has been proposed in the EMP report.
- (xviii) Proposed green belt – 420 no. of tree species
- (xix) Any deficiencies/omission have been noticed in the above documents- Not submitted earlier EC copy and its compliance.

**2. Whether SEAC recommended the proposal – Yes,** the proposal was placed in the SEAC meeting held on 27.01.2025 and the SEAC recommended to grant EC valid from the date of EC accorded up to the lease period 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) Plantation programme to be completed within first two years and to be maintained in remaining years.
- (iv) Depth of Mining as proposed should not be beyond 6m from the ground level.
- (v) Mitigation measures for flying Rock for safety be put in place.
- (vi) Stone quarry project proponent needs to maintain periodic health check-up records of their employees and ensure use of face mask by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.
- (vii) The boundary area of the deposit as per the revised / updated DSR to be defined by geo coordinates based on DGPS survey superimposed on the cadastral map.
- (viii) Construction of garland drains retaining wall and settling tank should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity.
- (ix) All the dumps shall be covered by retaining wall, garland drains and settling ponds.
- (x) No explosives shall be stored without approval of competent authority and all the precautions for blasting shall be put in place.
- (xi) Worked out pit shall be fenced.
- (xii) No tree growth in the lease area if present shall be damaged

