



सत्यमेव जयते

File No.: 475117/77-MINB2/06-2024

Government of India

Ministry of Environment, Forest and Climate Change

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



Dated 12/12/2024



To,

SMT. REETA PARIDA
W/o-Shri Pravat Kumar Parida
At- Trutiyaapada, Po/Ps- Bolagad, Khordha, ODISHA, 752066
paridarita274@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed Mining Project of Kusapalla Boulder Quarry over an area of 3.00 Acres or 1.214 Hectares having Khata No-495, Plot No-683 at village Kusapalla, Tahasil-Bolagarh, Dist-Khordha, Odisha of Smt. Reeta Parida, Successful bidder under the provisions of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/OR/MIN/475117/2024 dated 11/06/2024 for grant of prior Environmental Clearance (EC) to the project of Kusapalla Boulder Quarry over an area of 3.00 Acres or 1.214 Ha. having Khata No-495, Plot No-683 at village Kusapalla, Tahasil-Bolagarh, Dist-Khordha, Odisha in favour of Smt. Reeta Parida, the successful bidder/lessee under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

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| (i) EC Identification No. | EC24C0108OR5527150N |
| (ii) File No. | 475117/77-MINB2/06-2024 |
| (iii) Clearance Type | Mining EC Under 5 Ha |
| (iv) Category | B2 |
| (v) Project/Activity Included Schedule No. | 1(a) Mining of minerals |
| (vii) Name of Project | Proposal for Fresh EC of Kusapalla Boulder Quarry over an area of 3.00 Acres or 1.214 Hectares having Khata No-495, Plot No-683 at village Kusapalla, Tahasil-Bolagarh, Dist-Khordha, Odisha |
| (ix) Location of Project (District, State) | KHORDHA, ODISHA |
| (x) Issuing Authority | SEIAA, ODISHA |
| (xii) Applicability of General Conditions | No |

3. In view of the particulars given in the Para-1 above, the project proposal interalia including Form-2 and EMP Reports 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 the meeting held on 23rd, 24th & 25th July, 2024. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above. Brief description of the project is as under:
5. Details of the minerals to be mined along with production capacity and the brief on the salient features of the project as submitted by the project proponent in Form-2 in the reports and as presented during SEAC are annexed to this EC as **Annexure (2)**.
6. The SEAC, in its meeting held on 23rd, 24th & 25th July, 2024, based on information submitted viz: Form 2 and EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of Specific and Standard EC conditions as detailed in the point below.
7. The SEIAA, Odisha has examined the proposal in 180th meeting held on 05.12.2024 in accordance with the extant provisions of the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEAC and hereby accords Environment Clearance for the instant proposal for mining of stone from Kusapalla Boulder Quarry over an area of 3.00 Acres or 1.214 Ha. having Khata No-495, Plot No-683 at village Kusapalla, Tahasil-Bolagarh, Dist-Khordha, Odisha to Smt. Reeta Parida 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: | 3.00 Acres or 1.214 Ha |
| (ii) No Mining Zone: | 7.5meter safety zone from all along the lease boundary. |
| (iii)Maximum Depth of Mining: | ofMaximum 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 | Manually without drilling and blasting |
| (v) Permitted Quantity: | 1 st year- 1040 cum/annum 2 nd year-1040 cum/annum 3 rd year-1040 cum/annum 4 th year-1040 cum/annum 5 th year-1040 cum/annum Total production in the 5 years lease period will be 5200 cum. |
| (vi)Validity Period of EC: | This EC is valid till validity of lease period |

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 with budget provision of Rs. 1.0 Lakh (Capital Cost) & Rs. 0.20 Lakh/annum(Recurring Cost) which forms part of this EC application submitted by the project proponent (PP).
11. Validity of EC is upto validity of lease period from date of lease execution is granted by the regulatory authority.

12. General Instructions:

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

2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
 3. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.
 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (before operation phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the SEIAA, Odisha/Regional Office along with the Six-Monthly Compliance Report.
 5. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 6. The compliance of EC conditions of said quarry shall be monitored by DEIAA, concerned lease granting Authority either Mining Officer or Tahasildar, RO, SPCB, Odisha and Integrated Regional Office of MoEFCC, Bhubaneswar as per MoEF & CC, Govt. of India S.O. 141(E) in EIA Notification dated 15.01.2016. The project authorities should extend full cooperation to the officer (s) of the Regional Office and other said authorities by furnishing the requisite data / information/monitoring reports.
 7. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
13. This issue with an approval of the Competent Authority.

Copy To

1. Principal Secretary, Forest, Environment & Climate Change Dept., Government of Odisha for information.
2. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
3. The Director of Mines, Steel & Mines Dept, Govt. of Odisha Bhubaneswar for information.
4. Additional Principal Conservator of Forests, Integrated Regional Office (IRO), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubaneswar for information.
5. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032 for information.
6. Chairman/Member/Member Secretary, SEIAA for information.
7. Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.
8. Collector & DM, Khordha, Sub-Collector, Khordha, Deputy Director of Mines, Khordha, DFO, Khordha, RO, SPCB, Khordha, Tahasildar, Bolagarh/Mining Officer, Khordha for Information and necessary action.
9. Guard file for record/Website/Parivesh Portal

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Conditions

| S. No | EC Conditions |
|-------|---|
| 1.1 | <p><u>Before lease agreement</u></p> <ol style="list-style-type: none"> 1. Boundary Demarcation: - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC. 2. Digital Map: -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the Tahasildar/Mining officer shall be submitted to SEIAA, Odisha through email at seiaaodisha@gmail.com. 3. Intimation of EC: -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt. The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record. 4. Condition by Collector/ Deputy Director of Mines: - 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. 5. 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. 6. Other conditions/NOC:- Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee. |
| 1.2 | <p><u>After lease agreement</u></p> <ol style="list-style-type: none"> 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. 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. 3. Mitigation measures for flying Rock for safety of human beings and animals during blasting to be ensured by the project proponent. 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. 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. 6. Haulage road shall be developed and maintained perennially and perpetually by the |

| S. No | EC Conditions |
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| | <p>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 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 & 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 with photographs.</p> |

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

| S. No | EC Conditions |
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| 1.1 | The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project |
| 1.2 | The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. |
| 1.3 | The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee. |
| 1.4 | Permission of power supply to be taken from the concerned authority for meeting power demand of the project site. |
| 1.5 | The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC. |
| 1.6 | Validity of EC is upto lease period from date of lease execution or 5 years which ever is earlier. |

2. Air Quality Monitoring And Mitigation Measure

| S. No | EC Conditions |
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| 2.1 | Major approach roads along with approach road shall be black topped and properly maintained. |
| 2.2 | Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the |

| S. No | EC Conditions |
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| | authorized pollution testing centres. |

3. Water Quality Monitoring And Mitigation Measures

| S. No | EC Conditions |
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| 3.1 | Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources. |
| 3.2 | The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation. |
| 3.3 | Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff |
| 3.4 | The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly |
| 3.5 | Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine. |

4. Noise And Vibration Monitoring And Prevention

| S. No | EC Conditions |
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| 4.1 | Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored. |
| 4.2 | The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis. |

5. Mining Plan

| S. No | EC Conditions |
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| 5.1 | Mining shall be carried out under strict adherence to provisions of the OMMC Rules 2016 |

| S. No | EC Conditions |
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| 5.2 | Mining shall be carried out as per the approved mining plan |
| 5.3 | No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927. |

6. Miscellaneous

| S. No | EC Conditions |
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| 6.1 | The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently. |
| 6.2 | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. |
| 6.3 | The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. |
| 6.4 | The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal. |
| 6.5 | The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. |
| 6.6 | The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations. |
| 6.7 | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. |
| 6.8 | <p>Environmental Management Plan: (i) 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 coordination with Tahasildar/Mining Officer. Year wise progress of implementation of EMP shall be reported to the SEIAA, Odisha and OSPCCB along with the compliance report. The Tahasildar/Mining Officer shall ensure the compliance of this condition along with all the lease holders of his jurisdiction.</p> <p>(ii) The PP will implement the EMP with a budgetary allocation of Rs. 1.0 - Lakh (Capital Cost) and Rs.0.20 Lakh/annum (Recurring cost) for the lease area as proposed during the valid lease period of 5 years. The detailed expenditure on EMP shall be submitted with six monthly compliance reports.</p> |

| S. No | EC Conditions |
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| 6.9 | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC). |
| 6.10 | Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986. |
| 6.11 | The SEIAA, Odisha may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. |
| 6.12 | The SEIAA, Odisha reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. |
| 6.13 | 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. The project authorities should extend full cooperation to the officer (s) of the Regional Office and other said authorities by furnishing the requisite data / information/monitoring reports |
| 6.14 | The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter. |
| 6.15 | The proponent shall abide by all the commitments and recommendations made in the EMP report and also that during presentation to the SEAC. All the commitments made by the PP during EC application and presentation shall also be implemented in letter and spirit. |
| 6.16 | The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours |

7. Land Recalvation

| S. No | EC Conditions |
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| 7.1 | Reclamation & Restoration: -Pursuant to MoEF & CC, O.M No 22-34/2018-1A.IIIdated 16.01.2020 and in compliance to the directions dated 8 th January 2020 of Hon'ble Supreme Court in W.P. (Civil) No.114/2014 in the matter of Common Cause vs Union of India, the mining lease holder shall, after ceasing mining operations, undertake re-grassing 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. The Project Proponent shall submit a detailed plan of action in this regard to Tahasildar/Mining Officer within six months, indicating definite timelines and physical outcomes for the reclamation & restoration of the mined-out area. |

| S. No | EC Conditions |
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| | The Tahasildar/ Mining Officer shall submit a compliance report to SEIAA, Odisha at the end of lease period. |

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 **1040 cum/annum**, total production in 5 years period- **5200 cum**
2. The EC is valid for the balance lease period subject to the quantity prescribed in the modified DSR or revised Mining Plan whichever is less.
3. The PP shall implement the EMP with a budgetary allocation of Rs. 1.0 - Lakh (Capital Cost) and Rs.0.20 Lakh/annum (Recurring cost) as proposed in the EMP report during EC application.
4. The PP shall plant **240 nos.** of tree species like Banyan (*Ficus benghalensis*), Peepal(*Ficus religiosa*), Neem (*Azadirachta indica*), Jamun(*Syzygium cumini*), Mango(*Mangifera indica*), Karanj(*Pongamia pinnata*), Arjun(*Terminalia Arjuna*), Jack fruit (*Artocarpus heterophyllus*), Siris (*Albizia lebbek*), etc.. as part of tree plantation campaign "**Ek Ped Maa Ke Naam**" and the details of the same shall be uploaded in the MeriLiFE Portal (<https://merilife.nic.in>).The PP shall submit the status of plantation during every six-months (06) compliance of EC conditions with geo-coordinating photographs.
5. 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.
6. The Project Proponent shall uploaded/submitted six monthly EC compliance in the Parivesh Portal of MoEF & CC., Govt. of India only falling which the EC is liable to revoked.
7. **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 laterite stone from the lease area of each year shall be submitted in tabular form during submission of compliance report.
8. **Environmental Management Plan:** (i) 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 coordination with Tahasildar/Mining Officer. Year wise progress of implementation of EMP shall be reported to the SEIAA, Odisha and OSPCCB along with the compliance report. The Tahasildar/Mining Officer shall ensure the compliance of this condition along with all the lease holders of his jurisdiction. (ii) The PP will implement the EMP with a budgetary allocation of Rs. 1.0 - Lakh (Capital Cost) and Rs.0.20 Lakh/annum (Recurring cost) as proposed in the EMP report during EC application for the lease area as proposed during the valid lease period of 5 years. The detailed expenditure on EMP shall be submitted with six monthly compliance reports.
9. **No Mining Zone:** The lessee shall ensure that no quarrying or mining is carried out in the areas as specified below:
 - a) 7.5-meter safety zone shall be kept from all sides of the lease boundary as per the approved mining plan. b) 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. c) below ground water table under any circumstances. If ground water table occurs /intervenes within the permitted mining depth, then the quarrying shall be stopped immediately; d) in the vicinity of natural /manmade archeological sites;
10. **Transport Safeguards:** a) No transportation of the minerals shall be allowed on any road passing through villages/habitations without prior explicit permission. b) 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. c) Project proponent shall ensure that the transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and traffic density. d) 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. e) 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. f) 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.

11. **Other Environmental Conditions:** - a) 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. b) Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purposes. c) 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. d) 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. e) 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. f) 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. g) 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 & traffic.
12. **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.
13. **Half-yearly Compliance Report:** - It shall be mandatory for the project management to submit half yearly compliance reports on the status of implementation of the above stipulated environmental and upload the compliance report including results of monitored data, as applicable in the website of the Ministry for monitoring of EC Conditions, failing which EC is liable to be revoked.
14. **Statutory compliance on Grant of CTE & CTO from SPCB:-** Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board. The SPCB, Odisha shall ensure that there is no change in the extraction quantity as given in the EC stipulations in respect of year wise permitted quantity before giving 'consent to operate' to this project.
15. **Concomitant Monitoring:** - The conditions stipulated in the environmental clearance will be closely monitored on the ground by the lease granting authority, i.e. the Tahasildar/ Mining Officer, who shall ensure compliance of the stipulated conditions and take corrective measures promptly in case of any non- compliance and also ensure that the project proponent submits quarterly compliance reports.
16. **Independent Monitoring:** -The concerned Regional Office of the MoEF & CC/ SPCB, Odisha shall periodically monitor compliance of the stipulated conditions as applicable for this project. The project authorities should extend full cooperation to the MoEF & CC officer(s)/SPCB officer(s) by furnishing the requisite data / information / monitoring reports.

17. **Revocation of EC:** -The SEIAA, Odisha may revoke or suspend the EC, if implementation of any of the above conditions is not satisfactory. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.
18. **Change in Ownership of Lease:** - This EC shall not be transferred without the permission of SEIAA, Odisha. The Tahasildar/ Mining Officer shall inform the SEIAA of any change in ownership of the mining lease. No mining is allowed without transfer of EC as per provisions of the para 11 of EIA Notification, 2006, as amended from time to time.
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.
20. This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court and Hon'ble NGT as may be applicable.
21. 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.



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 Kusapalla Boulder Quarry over an area of 3.00 Acres or 1.214 Hectares having Khata No-495, Plot No-683 at village Kusapalla, Tahasil-Bolagarh, Dist-Khordha, Odisha.
 - (ii) The mining area is a part of Survey of India Toposheet No. F45T4 and the lease area bounded by Latitude: 20° 08' 57.26" N to 20° 09' 01.67" N and Longitude 85° 14' 28.26" E to 85° 14' 32.05" bearing Khata no.495 and Plot no.683, Kissam-Mundia.
 - (iii) The mining lease is an identified sairat source in the DSR. The Kusapalla Boulder Quarry sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Khordha 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, Khordha, 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. 38004853E0 dated 22.05.2024.
 - (vii) Distance from nearest sanctuary/ESZ- Nalaban WLS-51.2Km
 - (viii) Whether the lease area coming in DLC report-No, certified by the Mining Officer, Khordha Circle, Khordha vide letter no.569 dated 15.05.2024
 - (ix) Whether the lease area reflecting in DSR-Yes
 - (x) Method of mining-**Manual, no drilling and blasting is proposed**
 - (xi) Distance from nearest road bridge-2.4 km, village road-0.50km
 - (xii) Whether it is part of cluster –No
 - (xiii) Whether EC obtained earlier-Yes, in the DSR it is mentioned that EC obtained earlier from SEIAA, Odisha vide letter no. SEIAA/6362 dated 17.08.2015 in favour of Sri Rabindra Kumar Parida
 - (xiv) Date of approval of mining plan- the Director of Mines & Geology, Bhubaneswar vide letter no.681 dated 16.01.2023.
 - (xv) As per approved mining plan the Geological reserve of the quarry is 132813 cum, Mineable reserve is 78244 cum, annual production will be **1040/annum** and total production in 5 years is 5200 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. 1.0 - Lakh (Capital Cost) and Rs.0.20 Lakh/annum (Recurring cost)
 - (xviii) Any deficiencies/omission have been noticed in the above documents- Nil
2. **Whether SEAC recommended the proposal – Yes**, the proposal was placed in the SEAC meeting held on 23rd, 24th & 25th July, 2024 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 as per in EMP 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 need 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) Maximum depth of quarry shall not exceed 6 meters from ground level as per guidelines.
- xi) No explosives shall be stored without approval of competent authority and all the precautions for blasting shall be put in place.
- xii) In all kinds of dumps (temporary or permanent) Garland drains, retaining wall shall be provided.
- xiii) Adequate settling pond shall be provided.
- xiv) Worked out pit shall be fenced.
- xv) No water from mining area shall be discharged outside and adjoining agricultural fields shall be protected from any kind of adverse effect due to such mining.
- xvi) No tree growth in the lease area shall be damaged.

However, EC shall be granted subject to submission of following

- a) Satisfactory compliance to conditions of previous EC.
- b) Break up of recurring cost in EMP shall be provided.
- c) DLC certificate is given by Mining Officer. It should be given by the appropriate authority.

xvii) The proposal was placed in 180th meeting held on 05.12.2024 and after detailed deliberation, the authority approved the grant of EC subject to the submission of the following documents as follows:

- a) Satisfactory compliance to conditions of previous EC.
- b) Break up of recurring cost in EMP shall be provided.
- c) DLC certificate is given by Mining Officer. It should be furnished by the appropriate authority (i.e.DFO).

xviii) Now, the PP has submitted clarification raised by SEIAA, Odisha with attaching DLC certificated issued by DFO, Khordha vide letter no. 6883 dated 05.11.2022 with mentioned that the said plot no., Khata no. is not included in DLC land if Hal notification happened before 1998. If Sabik status is applicable for the plots mentioned in the year 1998, then Sabik plot & Khata no area to be provided and based on the DFO letter the Mining Officer, Khordha has mentioned that the Sand plot is not coming in DLC report.