



सत्यमेव जयते

File No.: 466381/108-MIN/03-2024

Government of India

Ministry of Environment, Forest and Climate Change

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



Dated 27/08/2024



To,

Ajit Sahu
AJIT SAHU
Nihalprasad Gondia, NIHALPRASAD, DHENKANAL, ODISHA, , 759016
ajitsahunhl@gmail.com

Subject: Amendment in Environmental Clearance (EC) 18/03/2024 granted to the project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/OR/MIN/466381/2024 dated 18/03/2024 for grant of an amendment in prior Environmental Clearance (EC) to the project 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.	EC24C0108OR5496771A
(ii) File No.	466381/108-MIN/03-2024
(iii) Clearance Type	Amendment in EC
(iv) Category	B2
(v) Schedule No./ Project Activity	1(a) Mining of minerals
(vii) Name of Project	CHANDRASEKHARPUR MORRUM QUARRY
(viii) Location of Project (District, State)	DHENKANAL, ODISHA
(ix) Issuing Authority	SEIAA
(x) EC Date	18/03/2024
(xii) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

3. In view of the particulars given in the Para-1 above, the project proposal interalia including Form-4 (Part A, B & C) were submitted to the SEAC for an appraisal by the State Level Expert Appraisal Committee (SEAC) under the provision of EIA notification 2006 and its subsequent amendments thereto.

4. The above-mentioned proposal has been considered by SEAC in its meeting held on 02.05.2024. 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 or through the following web link [click here](#).

5. The brief about the reasons for an amendment requested along with the brief on the salient features of the project as submitted by the project proponent in Form- 4 (Part A, B & C) and as presented before SEAC and the details of the amendment of EC are annexed as **Annexure- 2**.

6. The PP has submitted the amendment of EC application under item no. 1(a)- 'Mining of Mineral Projects' in the schedule of EIA Notification, 2006 as amended from time to time, and the minor mineral extraction project falls under Category B2 as the mining lease area is less than 5 ha.

7. The proposal was placed in the SEAC meeting held on 02.05.2024 under the provisions of EIA Notification 2006 and its subsequent amendments and after detailed deliberations in the matter and the SEAC decided to recommend the proposal for increasing production capacity of morrum from 7005 cum/annum to 13312 cum/annum from the source..

8. The SEIAA, Odisha has examined the proposal in 173rd meeting held on 06.08.2024 & 08.08.2024 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 amendment in Environment Clearance issued vide EC letter no. 108/SEIAA dt. 09.01.2021 for the instant proposal Chandrasekharpur Morrum Quarry over an area of 5.10 acres or 2.06 Ha at village-Chandrasekharpur, Tahasil-Gondia, Dist-Dhenkna, Odisha to Sri Ajit Sahul is **allowed** for extraction quantity of morrum **13312 cum per annum** for the balance lease period under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of EC conditions, general instructions issued vide EC letter dated 09 /01/2021 and following additional specific conditions as mentioned in **Annexure-1**.

9. This issues with the approval of the Competent Authority.

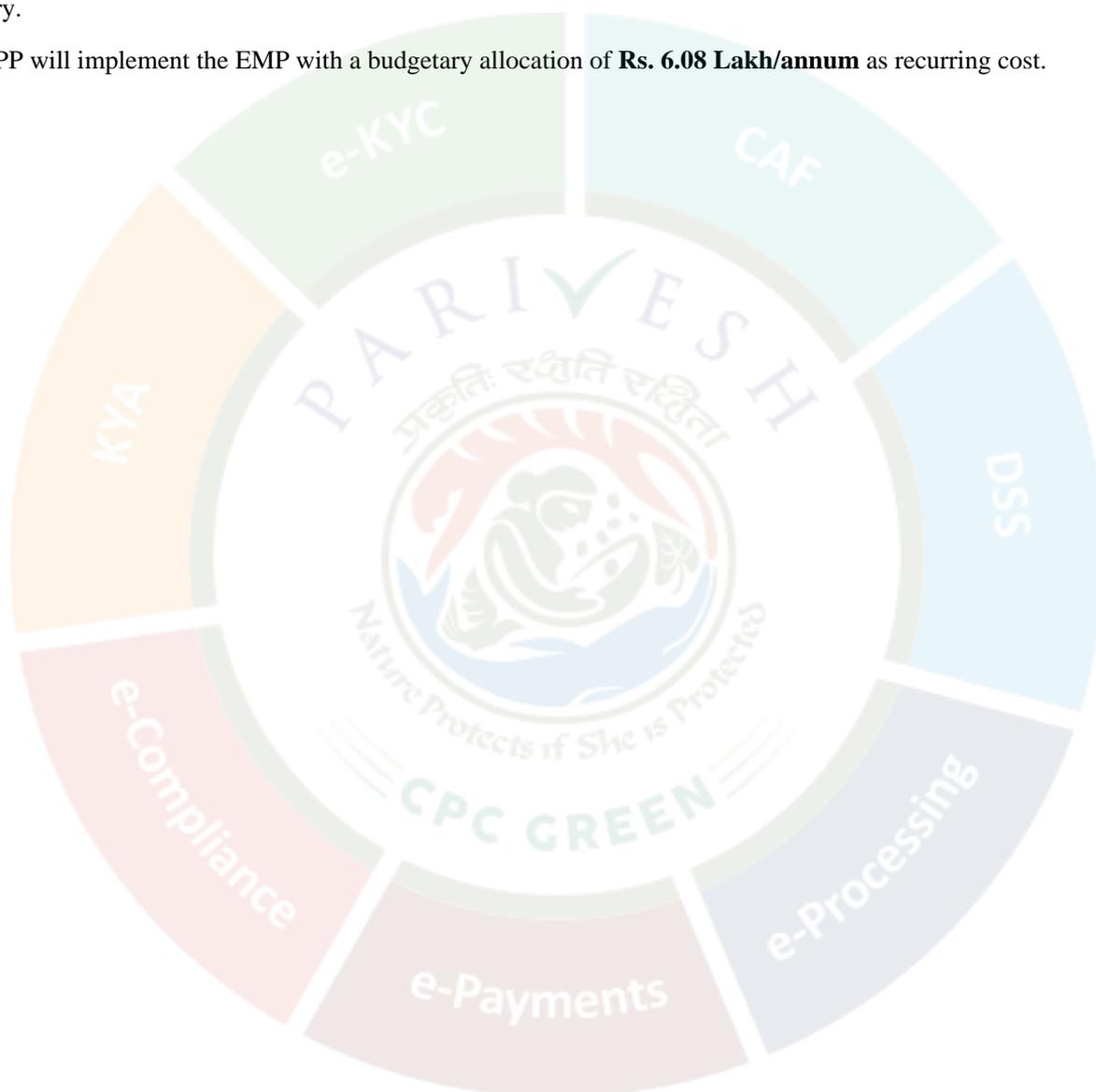
Copy To

1. Joint Secretary (Environment), Ministry of Environment, Forests and Climate Change Govt. of India, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi-110003 for information.
2. Principal Secretary, Forests & Environment Dept., Government of Odisha for information.
3. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
4. Additional Principal Conservator of Forests, Regional Office (EZ), 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. Member Secretary, CGWA, 18/11, Jamnagar House, Man Singh Road, New Delhi-110011 for information.
7. Copy to Director of Mines, Steel & Mines Dept., Govt. of Odisha for information and necessary action.
8. Copy to the Collector/Sub Collector, Dhenkna, DFO, Dhenkna, Mining Officer Dhenkna/Tahasildar, Gondia for information and necessary action.
9. Chairman/Member / Member Secretary, SEIAA for information.
10. Chairman, SEAC/Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.
11. Guard file for record.

Annexure 1

Additional EC Conditions

1. Maximum depth of mining **3.0 meter** from the surface level and maximum quantity of extraction shall be limited to **13312 cum/annum** for the balance lease period from the date of issue of EC.
2. The EC is valid till validity of DSR or validity of lease period whichever is earlier.
3. The Grant of EC for further period will be considered after submission of approved DSR by SEIAA as per the MoEF&CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
4. The Project Proponent (lease holder) shall deposit **Rs.1,00,000/-**, with the respective District Environment Society for raising **200 plants** (minimum @100 trees per Ha) of native species within 2 years in a suitable location adjoining the quarry.
5. The PP will implement the EMP with a budgetary allocation of **Rs. 6.08 Lakh/annum** as recurring cost.



A. Stipulations:

Sl.	Descriptions	Stipulation
(i)	Lease Area:	5.10 Acres or 2.06 Ha
(ii)	No Mining Zone:	7.5meter safety zone from all along the lease boundary.
(iii)	Maximum Depth of Mining:	Maximum 3.00 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
(v)	Permitted Quantity:	3rd year-13312 cum/annum 4th year-13312 cum/annum 5th year-13312 cum/annum
(vi)	Validity Period of EC:	This EC is valid till validity of DSR or validity of lease period whichever is earlier.

B. ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED ON FIELD BEFORE THE LEASE AGREEMENT:

- (i) **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 coordinates by any empanelled agency of ORSAC.
- (ii) **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.
- (iii) **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.
- (iv) **Tree Plantation:** -Compensatory Tree Planting (CTP) shall be carried out with minimum @100 trees per Ha. of lease area as per the approved cost norm for plantations of the State Forest Department. The Project Proponent (lease holder) shall deposit **Rs.1,00,000/-** with the respective District Environment Society for raising **200 plants** of native species within 2 years in a suitable location adjoining the quarry.

- (v) **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.
- (vi) **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.
- (vii) **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.

C. SPECIFIC STIPULATION/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) Depth of Mining as proposed should not be beyond **3m** from the ground level/surface level of this area.
- (iv) 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.
- (v) 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.
- (vi) Topsoil excavated during mining to be stacked separately in the ML area and to be used for plantation in and around the ML area.
- (vii) 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. after ceasing mining operation that is at the time of mine closure.
- (viii) Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt.

D. ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED ON FIELD AFTER THE LEASE AGREEMENT:

1. **Maximum permissible depth of mining:** - Maximum depth of mining from the top surface/ground level of this area, at any point, up to which quarrying may be permitted shall be **3 meters** as stipulated in rule 37(1) (a) of the OMMC Rule, 2016. Quarry excavation shall not proceed below a level on the hill slope, and shall not touch the base of the hill in any case. The exploitation of morrum material from the hill shall be carried out in a systematic manner, spreading the quarrying activity to cover all the economic veins of minerals and proceeding uniformly to more and more depths from all sides simultaneously.
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) and the total production shall be **39936 cum** during the valid

lease period of five years as per the approved mining plan. Any flouting of this quantitative restriction shall make this EC liable to cancellation.

3. **District Survey Report:** In view of likely revision of DSR as per the Ministry guidelines, the mention of this deposit in DSR with final coordinates is to be ensured by Tahasildar/Mining Officer **before expiry of the existing current DSR.** 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. The Grant of EC for further period will be considered after submission of DSR approved by SEIAA as per the MoEF&CC, Govt. of India Notification S.O.3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and also as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
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 morrum from the lease area of each year shall be submitted in tabular form during submission of compliance report.
5. **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 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. **The PP will implement the EMP with a budgetary allocation of Rs. 6.08 Lakh/annum as 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.**
7. **No Mining Zone:** The lessee shall ensure that no quarrying or mining is carried out in the areas as specified below: -
 - (i) 7.5-meter safety zone shall be kept from all sides of the lease boundary as per the approved mining plan.
 - (ii) 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.
 - (iii) 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;
 - (iv) in the vicinity of natural /manmade archeological sites;
8. **Transport Safeguards:**
 - (i) No transportation of the minerals shall be allowed on any road passing through villages/habitations without prior explicit permission.
 - (ii) 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.

- (iii) 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.
- (iv) 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.
- (v) 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.
- (vi) Water spraying should be made on the village road to control particulate matter (dust particles) pollution in surrounding air during transportation from the quarry. Garland drain shall be constructed on the hill slope to arrest downward flow of particulate matter with rainwater.

9. Other Environmental Conditions: -

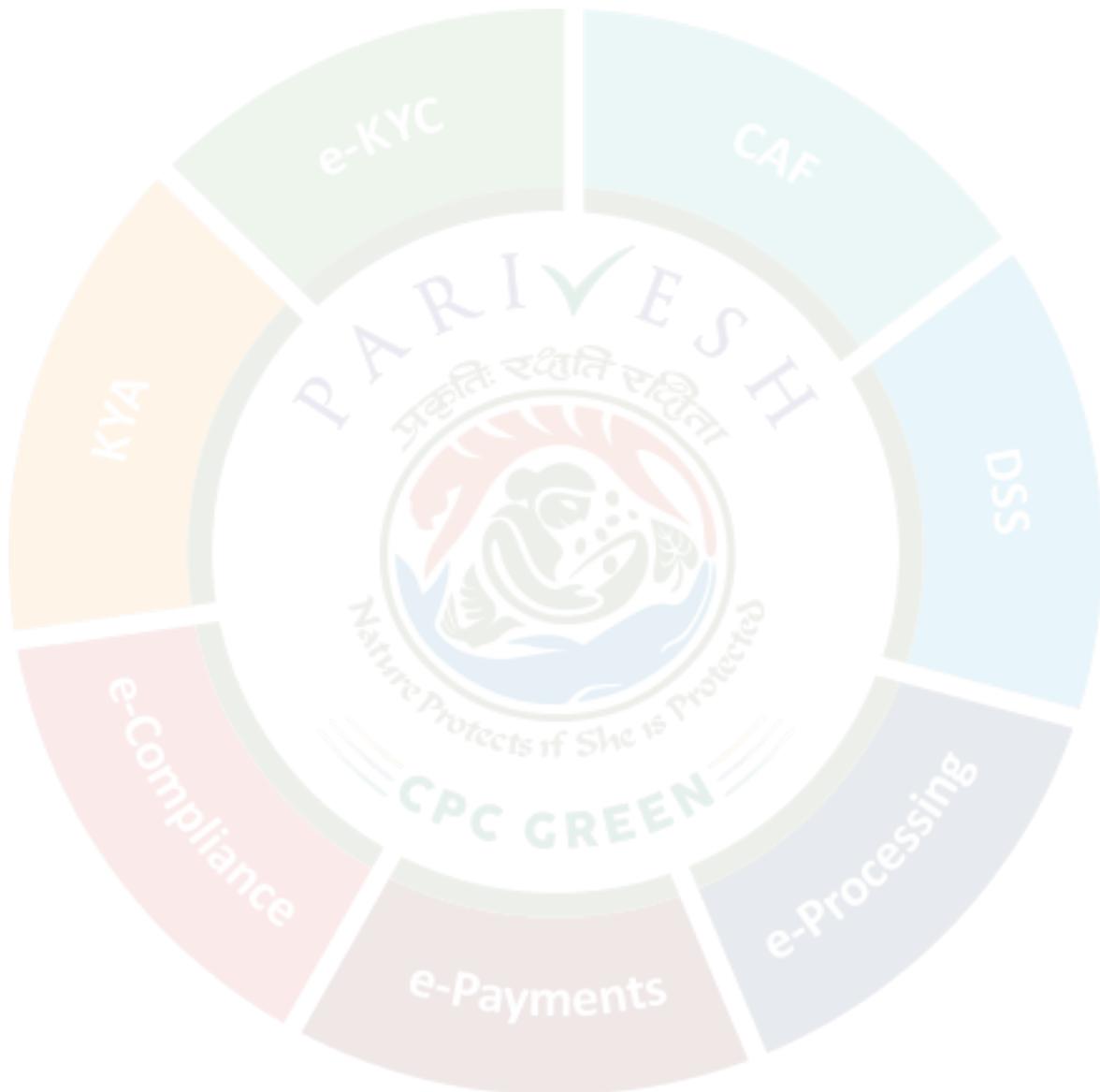
- (i) The lessee shall ensure safety of human life and livestock from accidents in case the village / any habitation is very near the mining lease area.
- (ii) Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purposes.
- (iii) Dumping of quarry material is in no case permissible on any forest land; and all dump yards shall be on duly permitted non forest land.
- (iv) 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.
- (v) 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.
- (vi) 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.
- (vii) 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.

- 10. 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.

11. **Reclamation & Restoration**:-Pursuant to MoEF & CC, O.M No 22-34/2018-1A.111 dated 16.01.2020 and in compliance to the directions dated 8th 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. The Tahasildar/ Mining Officer shall submit a compliance report to SEIAA, Odisha at the end of lease period.
12. **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.
13. **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.
14. **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.
15. **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.
16. **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.
17. **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.
18. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.

19. 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.
20. 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 amendment of EC of Chandra sekharpurpur Morrur Quarry over an area of 5.10 acres or 2.06 Ha at village-Chandrsekharpur, Tahasil-Gondia, Dist-Dhenkhal.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. /EC Identification No.-108/SEIAA dt. 19.01.20221 & EC transfer vide EC Identification No. EC24C0108OR5515959T dt. 12.06.2024 for Chandrasekharpurpur Morrur Quarry over an area of 5.10 acres or 2.06 Ha at village-Chandrsekharpur, Tahasil-Gondia, Dist-Dhenkhal.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed morrum quarry is 48864 cum and proposed for annual extraction-7005 cum.
- (iv) The SEIAA allowed 7005 cum of sand for 1st year production.
- (v) The mining area is a part of Survey of India Toposheet No. F45T10 and is bounded between the Latitude- 20°43'30.28"N to 20°43'35.09"N and Longitude – 85°43'15.42"E to 85°43'24.70"E bearing Khata no. 337, Plot No. 1331/1, Kissam-Patharbani
- (vi) The mining lease is an identified sairat source in the DSR. The Chandrasekharpurpur Morrur Quarry sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Dhenkhal to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (vii) Documents submitted: -Form-1, EMP, PFR, DLC, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Dhenkhal, topo map etc.
- (viii) Whether submitted KML file of the lease area-Yes
- (ix) Whether submitted scrutiny fee-Yes, of Rs. 1000/- vide e Challan Reference Id no. 37F4A836A1 dt. 27.03.2024
- (x) Distance from nearest sanctuary/ESZ- Kapilash WLS-6.59 Km
- (xi) Whether the lease area coming in DLC report-No, as certified by Mining Officer, Dhenkanal vide letter no. Nil dt. 02.02.2024.
- (xii) Whether the lease area reflecting in DSR-Yes
- (xiii) Method of mining-semi-mechanized, Depth of mining-3.0 Meter
- (xiv) Distance from nearest road bridge-17.35 km, Village road-1.28 Km
- (xv) Whether it is part of cluster – No
- (xvi) Whether EC obtained earlier-Yes by 108/SEIAA dt. 19.01.20221 but the PP has not submitted earlier EC compliance.
- (xvii) Date of approval of Modified mining plan- by the Joint Director of Geology, Zonal Survey, Dhenkanal vide letter no. Nil dt. 05.10.2023
- (xviii) Production capacity per annum-15000 cum/annum (max.), total production in 3 years period-45000 cum, Geological reserve-56817 cum and Mineable reserve-39936 cum.
- (xix) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- (xx) EMP budget provision of Rs. 6.08 Lakh/annum
- (xxi) 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 02.05.2024 and the SEAC recommended the following:

- (i) As per KML file, a high school is operating at a distance of 100 meter from the boundary of the leased area.
- (ii) Geological reserve is 56817 cum.
- (iii) Movable reserve is 39936 cum.
- (iv) Though the PP has applied for 15000 cum per year for three years of operation upto 6th May 2006, only available material is 39936 cum instead of 45000 cum.

So **13312 cum** per year permission may be given as per the revised mining plan.

