



File No: SIA/MH/MIN/575502/2026

State Environment Impact Assessment Authority (SEIAA), Maharashtra

(Constituted as per the provision of EIA Notification, 2006, as amended by the Ministry of Environment, Forest and Climate Change, Government of India)



Dated 08/10/2026

To,

Dr. G. Vaidyanathan
JAWAHARLAL NEHRU PORT AUTHORITY
Jawaharlal Nehru Port Authority, Admin Building, Sheva, Uran, Navi Mumbai , Palghar, PALGHAR,
MAHARASHTRA, , 400707
environmentcell@jnport.gov.in

Subject: Grant of prior Environmental Clearance (EC) to the proposed Mining Project under the provisions of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/MH/MIN/590254/2026 dated 19/09/2026 for grant of 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.	EC26B0108MH5101868N
(ii) File No.	SIA/MH/MIN/575502/2026
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Khanivade stone Quarry - 15.39 Ha in connection with Vadhvan Port Project by Jawaharlal Nehru Port Authority.
(viii) Location of Project (District, State)	PALGHAR, MAHARASHTRA
(ix) Issuing Authority	SEIAA
(x) Applicability of General Conditions	No

Plot/Survey Khasra Nos.:

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-2(Part A, B and

C)/ EIA & EMP Reports were submitted to the SEIAA for an appraisal by the SEIAA under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by SEIAA in the meeting held on 01/10/2026. 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: The proposed quarry will supply construction grade stone for the development of Vadhavan Port.
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 1 (Part A and B) in the reports and as presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on 01/10/2026, based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues 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 has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEIAA hereby accords Environment Clearance for the instant proposal to M/s. Dr. G. Vaidyanathan 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 (2)
8. The Ministry 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. 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 (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
 5. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 6. The Regional Office of this SEIAA shall monitor compliance of the stipulated conditions. The project

authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

7. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

12. This issue with an approval of the Competent Authority.

Copy To

1. The Deputy Director General, Regional Office, Deputy Director General Of Forests (C) Ministry Of Environment Forest And Climate Change Integrated Regional Office Ground Floor East Wing New Secretariat Building Civil Lines Nagpur-440001., N/A, N/A, apccfcentral-ngp-mef@gov.in
2. The Member Secretary, SPCB/PCC, Kalptaru Point 2nd - 4th Floor Opp. Cine Planet Sion Circle Sion (E), Mumbai, Maharashtra, mpcbparivesh@mpcb.gov.in

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Conditions

S. No	EC Conditions
1.1	<u>Specific Conditions:</u> 1. Validity of Environmental Clearance: EC shall remain valid for the project life as per approved Mining Plan, subject to a maximum of thirty (30) years, or as amended under applicable EIA provisions and MoEFCC notifications dated 12.04.2022 and 13.12.2022, whichever is earlier. 2. The Project Proponent shall ensure that no existing trees within the 7.5 m safety zone are disturbed, damaged or felled/cut and shall take all necessary measures for their protection. 3. The PP shall comply with all the terms and conditions stipulated in the Forest Clearance Stage – 2 approval issued by the MoEFCC (Forest Conservation Division), Govt. of India. 4. PP shall ensure continuous monitoring of slope stability, configuration and mine safety measures as per the approved Mining Plan and DGMS guidelines. 5. District Collector and District Mining Officer shall ensure execution of plantation and CER activities immediately after grant of EC and prior to commencement of mining operations. 6. The approach road shall be maintained in good condition at all times and regular water sprinkling shall be undertaken for effective dust suppression. 7. Garland drains, siltation chamber and rainwater harvesting structures shall be constructed and maintained as per the approved Mining Plan and EMP. 8. Extraction of Stone Quarry shall be undertaken only through the method approved in the Mining Plan. 9. Six-monthly health check-ups and insurance coverage for all employees/workers shall be mandatory. 10. The Project Proponent shall install solar panels and/or solar lighting systems for captive electricity use within the project area to the maximum feasible extent.

Annexure 2

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Khanivade stone Quarry - 15.39 Ha in connection with Vadhvan Port Project by Jawaharlal Nehru Port Authority.	
b.	Latitude and Longitude of the project site	19.807374299,72.816545658 19.814416615,72.820595708	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	0
		Forest Land (B)	
		Total Land (A+B)	15.39
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	103	
g.	EMP Cost (in lacs)	652	
h.	Employment Details		

Details of Minerals Products & By-products

Name of the Mineral to be mined	Classification of mineral [Major/Minor]	Production capacity in MTPA	Remarks
Basalt rock	Minor	2.5855	-

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIN/590254/2026
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
Jawaharlal Nehru Port Authority.
Located at Gat No. 09 Part Mouje – Khanivade
District Palghar

Subject: Environmental Clearance for Khanivade stone Quarry - 15.39 Ha in connection with Vadhvan Port Project at Gat No. 09 Part Mouje – Khanivade District Palghar by Jawaharlal Nehru Port Authority.

Reference: Application no. SIA/MH/MIN/590254/2026

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 396th meeting under screening category 1 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 366th B meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 01st October, 2026.

2. Brief Information of the project submitted by you is as below: -

Sr. No.	PARAMETERS	DETAILS
A.	Meeting Details	
1.	Meeting No. / Item No.	396 th SEAC-I (Part -II)/ Agenda Sr. No. 07
2.	Proposal No.	SIA/MH/MIN/590254/2026
B.	Project Details	
1.	Project Name	Khanivade stone Quarry - 15.39 Ha in connection with Vadhvan Port Project at Gat No. 09 Part Mouje – Khanivade District Palghar by Jawaharlal Nehru Port Authority.
2.	Category	B2; 1 (a) Mining of Minerals
3.	Project Proponent Name	Jawaharlal Nehru Port Authority (JNPA)
4.	Project / Activity Cost (in ₹ Lakh)	Rs. 31164 Lakhs
5.	Permanent Employment Generated	09
C.	Consultant Details	
1.	Consultant Name	Mahabal Enviro Engineers Pvt. Ltd.
2.	NABET Certificate No.	NABET/EIA/23-26/RA 0316

3.	NABET Validity	06.11.2026
D. Project Information		
1.	Land Gat / Survey No.	Gat No. 09 (Part)
2.	Village/Town	Khanivade
3.	Taluka and District	Palghar
4.	Project Area (Ha.)	15.39
5.	Ownership Area as per 7/12 extracts (Ha.)	Forest Department
6.	8A Register-Total area (Ha.)	Forest Department
7.	Land use (Agriculture / Industrial / Barren)	Reserve Forest
8.	Terrain (Undulating / Plain / Hilly)	Hilly
9.	Latitude and longitude details	Latitude: 19°48'43.20"N Longitude: 72°49'06.84"E
E. Environmental Sensitivity		
1.	Nearest Habitat / Village with Distance & Direction	Khanivade village - 0.53 Km
2.	Sensitive Structures within the periphery of 200m/500m of proposed project (distance in mtrs)	No structures exist
	i) School/Hospital/Resi Bldgs./ Factory Shed	ZP Primary School, Khanivade -0.53 Km
	ii) National / State Highways	NH-48 (Mumbai-Delhi) — 9.74 km E SH-32 (Boisar Road) — 3.73 km
	iii) Irrigation Dam/ Talav/River	Surya River -1.08 km
	iv) Wind Mill/Agri Shed/Poultry Shed	No
3.	Whether Project village lies within Western Ghats ESA (Draft) Notification (Yes/No)	Notified Dahanu Taluka Ecologically Fragile Area at 19.4 km.
F. Project Documents / Approvals		
1.	District Survey Report (DSR) Approval Date	Not included in DSR
2.	Corresponding Entry Number & Page no.	Not included in DSR

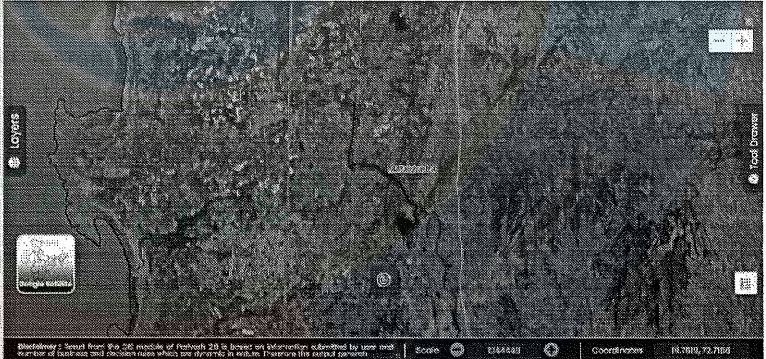
3.	Mining Plan Approval date & Validity	09.02.2026 alidity 09.02.2031
4.	Type of Mining Operation (Blasting/Non-Blasting)	Blasting (Controlled blasting method)
5.	Mine Slope Ratio & Cutting angle:	
	a. Mine slope ratio (Vertical: Horizontal)	Not numerically expressed as V:H ratio in the document; overall pit slope stated as 45°, which corresponds to 1:2
	b. Designed slope stability ratio (minimum requirement not less than 1: 5)	1:2
	c. Proposed cutting angle (°)	≤45°
	d. Permissible cutting angle not exceeding 45° (Yes/No)	≤45°
6.	Minable Total reserve quantity	1,29,27,769 T
7.	Excavation quantity	25,85,553 TPA
8.	Life of Mine (years)	05
9.	Allowed Mining Depth (mts.)	18 m
10.	DMO Site Survey Report (DMO SSR) Letter No. with date	Retighat/Mining/T-2/ws-1480/2026 dated 29.07.2026
11.	DMO report on Cluster Formation (Cluster Certificate / CC) letter no. with date	No cluster formation.
12.	LOI details	Retighat/Mining/T-2/Wadhwan port/ws-71/2026 dated 20.01.2026
G. EMP Provisions		
1.	Total Capital investment (in ₹)	Rs. 652 Lakhs

2.	Total Recurring Expenditure (in ₹)	Rs. 300 Lakhs/annum
3.	Rainwater harvesting and water storage - Total Capital Cost (in ₹)	Rs. 110 Lakhs
4.	Blast monitoring and structural survey - Total Capital Cost (in ₹)	Rs. 30 Lakhs
5.	In-lease greenbelt and nursery - Total Capital Cost (in ₹)	Rs. 22 Lakhs
6.	Off-site plantation on allotted land - Total Capital Cost (in ₹)	Rs. 55 Lakhs
7.	Gap plantation and soil and moisture conservation in the 100 m peripheral belt - Total Capital Cost (in ₹)	Rs. 150 Lakhs
8.	Strip plantation along the approach corridor belt - Total Capital Cost (in ₹)	Rs. 120 Lakhs
9.	Ambulance and emergency response vehicle - Total Capital Cost (in ₹)	Rs. 30 Lakhs
10.	Site-level wildlife protection works - Total Capital Cost (in ₹)	Rs. 75 Lakhs
11.	Progressive reclamation and closure works - Total Capital Cost (in ₹)	Rs. 60 Lakhs
12.	Garland drain, sumps and check dams — desilting twice a year and post-monsoon repair - Total Recurring Cost (in ₹)	Rs. 12 Lakhs
13.	Water harvesting system — pumping, storage maintenance, desilting - Total Recurring Cost (in ₹)	Rs. 8 Lakhs

14.	Sewage system operation and annual desludging through an authorised agency - Total Recurring Cost (in ₹)	Rs. 2 Lakhs
15.	Haul road maintenance and dust suppression operation — tanker and fog cannon running, surfactant, operators - Total Recurring Cost (in ₹)	Rs. 55 Lakhs
16.	Wet drilling — water supply, nozzles and Consumables - Total Recurring Cost (in ₹)	Rs. 5 Lakhs
17.	Tyre wash, wheel wash and weighbridge operation and calibration - Total Recurring Cost (in ₹)	Rs. 6 Lakhs
18.	Plantation maintenance — 15,390 saplings, in-lease and off-site, watering, weeding, gap filling, watch and ward- Total Recurring Cost (in ₹)	Rs. 27 Lakhs
19.	Gap plantation and strip plantation maintenance — Conditions 2.7 and 2.12, 7 to 10 years - Total Recurring Cost (in ₹)	Rs. 28 Lakhs
20.	Noise and vibration control — enclosure maintenance, replacement of muffle mats - Total Recurring Cost (in ₹)	Rs. 4 Lakhs
21.	Blast monitoring — seismograph operation and calibration, annual repeat dilapidation	Rs. 10 Lakhs

	survey - - Total Recurring Cost (in ₹)	
22.	CAAQMS operation — annual maintenance contract, calibration gases, filters, data link, public display - Total Recurring Cost (in ₹)	Rs. 16 Lakhs
23.	Periodic environmental monitoring through a NABL accredited laboratory — quarterly air and noise, pre and post- monsoon water, annual soil, half- yearly free silica by XRD- Total Recurring Cost (in ₹)	Rs. 17 Lakhs
24.	Occupational health — pre-placement and annual examination, quarterly dust and noise dosimetry, PPE replacement- Total Recurring Cost (in ₹)	Rs. 19 Lakhs
25.	Ambulance and emergency response vehicle — running, driver, maintenance - Total Recurring Cost (in ₹)	Rs. 12 Lakhs
26.	Site-level wildlife protection — rapid response team, free LPG to all workers so that no fuelwood is taken from the forest, nest box maintenance, village tank desilting, awareness - Total Recurring Cost (in ₹)	Rs. 20 Lakhs
27.	Slope and dump stability — monthly inspection, weekly during monsoon,	Rs. 8 Lakhs

	geotechnical monitoring- Total Recurring Cost (in ₹)	
28.	Safety zone upkeep — fencing repair, watchers, signage replacement - Total Recurring Cost (in ₹)	Rs. 12 Lakhs
29.	Site infrastructure operation — drinking water, sanitation, canteen and rest shelter- Total Recurring Cost (in ₹)	Rs. 6 Lakhs
30.	Environmental Management Cell — Environmental Officer, assistant and EHS support staff- Total Recurring Cost (in ₹)	Rs. 17 Lakhs
31.	Statutory compliance — Half-Yearly Compliance Reports, Form-V, third-party audit, mock drills, training - Total Recurring Cost (in ₹)	Rs. 8 Lakhs
32.	Progressive reclamation and re-vegetation works - Total Recurring Cost (in ₹)	Rs. 8 Lakhs
H. CER Provisions		
1.	Total CER Budget (in ₹ Lakh)	Rs. 623.28 Lakhs
2.	Proposed Activity (School / Health Centre / Gram Panchayat, etc) with Budget (in ₹ Lakh)	• Drinking water with RO Purification, overhead tank, rejuvenation of hand pumps and wells— Rs. 95 Lakhs • Zilla Parishad school upgradation — classrooms, furniture, library, computers, toilets, compound wall – Rs. 85 Lakhs • Primary health — sub-centre upgradation and equipment, ambulance support, two health camps a year - Rs. 70 Lakhs • Solar street lighting (60 nos.) and solar power for public buildings – Rs. 55 Lakhs • Skill development and livelihood – Rs. 60 Lakhs • Community plantation, village nursery, and desilting of village tanks and ponds – Rs. 50 Lakhs

		Sanitation — community toilets, solid waste management, awareness – Rs. 25 Lakhs
I.	Affidavits, Undertakings, Reports & Letters	
1.	Project consultant & EIA Coordinator (Undertaking) – Attached? (Yes/No)	Yes
2.	Affidavit on EC, EMP, CER Implementation – Attached? (Yes/No)	Yes
3.	Morphozone Report from GSDA – Letter No. with Date	Not submitted
4.	Letter from Forest Department – Letter No. with Date	Letter No. 2525/25-26, Dahanu dated 10.10.2025
5.	Gram Panchayat <i>Tharav</i> and NOC letter – Letter No. with Date	Yes
6.	NOCs required, if any, from Other Authority (Irrigation / PWD / Water supply etc.) – (Yes/No)	Not required
7.	Photograph of proposed site Google Image (kml)	

3. The proposal has been considered by SEIAA in its 366th B meeting held on 01st October, 2026 and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

- Validity of Environmental Clearance: EC shall remain valid for the project life as per approved Mining Plan, subject to a maximum of thirty (30) years, or as amended under applicable EIA provisions and MoEFCC notifications dated 12.04.2022 and 13.12.2022, whichever is earlier.
- The Project Proponent shall ensure that no existing trees within the 7.5 m safety zone are

- disturbed, damaged or felled/cut and shall take all necessary measures for their protection.
3. The PP shall comply with all the terms and conditions stipulated in the Forest Clearance Stage – 2 approval issued by the MoEFCC (Forest Conservation Division), Govt. of India.
 4. PP shall ensure continuous monitoring of slope stability, configuration and mine safety measures as per the approved Mining Plan and DGMS guidelines.
 5. District Collector and District Mining Officer shall ensure execution of plantation and CER activities immediately after grant of EC and prior to commencement of mining operations.
 6. The approach road shall be maintained in good condition at all times and regular water sprinkling shall be undertaken for effective dust suppression.
 7. Garland drains, siltation chamber and rainwater harvesting structures shall be constructed and maintained as per the approved Mining Plan and EMP.
 8. Extraction of Stone Quarry shall be undertaken only through the method approved in the Mining Plan.
 9. Six-monthly health check-ups and insurance coverage for all employees/workers shall be mandatory.
 10. The Project Proponent shall install solar panels and/or solar lighting systems for captive electricity use within the project area to the maximum feasible extent.

Conditions related to District Collector and District Mining Officer (For Stone Quarries):

1. Demarcation of 7.5 mt wide safety zone area at the mining site.
2. To ensure that proposed site doesn't fall in Eco sensitive notified area.
3. To ensure plantation of specified number of trees at the site along with drip irrigation facilities.
4. Plant saplings must be 3-4 feet height.
5. To ensure proper approach road with adequate capacity.
6. To prepare a plan of restoration of all earlier quarries in the district and include in the District Survey Report.
7. To verify Compliance of conditions mentioned in EC issued to the Stone Quarry.
8. To ensure that at least 50% of the total proposed trees should be planted with geotag within two months of the grant of EC and before issuing Lease.
9. To ensure that PP had regularly submitted 6 monthly Compliance Report to the Regional Officer, MoEF & CC, Nagpur of EC issued to the project.
10. To ensure availability of First-Aid, facility, medical/Health checkup and Insurance cover for all worker's/employees engaged at site.
11. To check the expenditure incurred for the implementation of EMP and CER activities.
12. The unutilized amount of EMP and CER must be transferred/ deposit in the District Mining Fund account and it is mandatory that the complete amount must be used only for the EMP and CER activities.

Conditions related to the Project Proponent/ Lease holder (For Stone Quarries):

1. All necessary NOC's /permissions required for the project must be obtained from the competent authority.
2. To adhere to the provisions stipulated Maharashtra minor Mineral Extraction (Development and Regulation) Rules, 2013 and guidelines issued by MOEF & CC as applicable to the project.
3. Demarcation of 7.5 mt wide safety zone at the project site in the presence of DMO.
4. To prepare noise/vibration monitoring plans for each blasting activity.
5. To construct proper approach roads with adequate capacity and it is mandatory to maintain in good conditions.
6. Mining activity shall not be done below the depth as approved in the mining plan.
7. Mining activity shall not be carried out before sunrise and after sunset.

8. Natural water stream/channels should not be diverted for proposed mining.
9. It is mandatory to provide First-Aid facility, Medical/ Health checkup and insurance cover to all worker's/employees.
10. To ensure that qualified and well-trained personnel to be appointed as Mine Manager with the approval from Director General Mines.
11. To provide movable toilets/ bio-toilets to the workers.
12. It is mandatory to protect all existing trees at the site.
13. Green cover plantation saplings must be 3-4 feet height.
14. Avenue plantation of minimum 250 nos. of trees/ Ha. of Mine lease area in the gated properties (Like Govt. Offices, Primary Schools etc.) in the nearest village within a year after grant of lease.
15. The financial provision/budget reserved for the EMP and CER should be utilised for the same activity and transfer unutilised budget if any to the District Mining Fund account.
16. To ensure that mine closure plan must be implemented as approved.
17. To ensure that after ceasing of mining operations the project land to be restored.
18. To ensure that quarrying activity should not be done below aquifer level.
19. To create adequate water garland drains all along the project area.
20. To ensure that no damage is caused to any natural fauna and nesting by mining activity.
21. It is mandatory to use water sprinklers on the roads to avoid dust particulate matter pollution.
22. Public roads should not be used for transportation vehicle's parking.

SEIAA Conditions-

1. DMO to ensure NOC of the landowner, if any structure, stone crusher, farm, farm pond, etc is existing within 200m distance before commencement of excavation for mining.
2. PP to restrict depth of mine considering the depth of ground water table or depth of deep aquifer level as per Geological study & Hydrological study report and the same shall be ensured by DMO.
3. PP to ensure that, there shall not be any adverse effect on neighbouring cultivable agricultural land.
4. PP to ensure additional air quality monitoring station around the periphery of nearest human settlements.
5. PP to ensure that, as submitted in detail in SEIAA meeting, all mitigation and monitoring measures to be followed especially around the vicinity of nearest Village/ human settlements.
6. Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.
7. PP shall employ dust suppression measures by use of water sprinklers, foggers etc.
8. No hill cutting should be allowed during the quarrying.
9. PP shall undertake to plant total 15,390 nos. of trees in proposed project. Dust absorbing trees shall be planted. PP to ensure that trees should be of 12-24 months old having 6-8 ft height of indigenous species to ensure shade, greenery and air pollution mitigation measures.

10. PP to submit images of the tree plantation as above with latitude-longitude (lat-long) to the DMO/District collector every quarter, capturing number of trees, growth & survival of trees.
11. PP to ensure 100% survival of trees, in case of any non-survival compensatory plantation should be taken up.
12. DMO to ensure SEAC & SEIAA conditions strictly complied with.
13. District Collector to ensure by devising suitable Standard Operating Procedure (SOP) for –
 - a. Quantity of excavation does not exceed approved quantity as certified by Deputy Director, Directorate of Geology & Mining Department, Government of Maharashtra.
 - b. Strict observance of terms and conditions imposed by Explosive Department.
 - c. Strict observance of conditions 9 and 10 above.

General Conditions:

- I. No hill cutting should be allowed during the quarrying. No aquifers should be disturbed either by blasting or by quarrying.
- II. Blasting crushing & transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.
- III. PP shall employ dust suppression measures by use of water sprinklers, foggers etc.
- IV. The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.
- V. Quarrying allowed only in the recharge zone of hills, not in run off or storage zone. For this purpose, GSDA should be involved to carry out intensive geophysical survey to identify such recharge zone where quarrying can be allowed.
- VI. The mining plan shall be approved first before initiating any mining operations.
- VII. Discharge of sewage from quarry sites should be strictly controlled.
- VIII. The quarries to maintain benches of 60 slope in the cut, 6 m depth in cut and 6 m for the bench. 10. No dumping of material shall be allowed in the water resources of Nallas.
- IX. No quarrying should be allowed in the run-off zone of hilly areas.
- X. After mining extraction is completed, the existing pits on site must be filled up and the closure must be supervised and certified by the District Mining Officer.
- XI. No quarry shall be allowed within safe distance from any habitation or human activity.
- XII. District Collector will take bank guarantee of Rs. 2,00,000/- OR upto 2% of the annual royalty, whichever is higher, for the given lease from the lease holder to ensure the compliance of the conditions stipulated. In case of violation of stipulated conditions by project proponent bank guarantee so obtained shall be forfeited and legal action under the law should be initiated against such project proponent.
- XIII. It shall be ensured that there is no fauna dependent on the areas close to mining for its nesting.
- XIV. To prevent dust / particulate matter pollution, the lease holder shall take up tree plantation in an area 10 m from the boundary of the leased area and also on either side of the road leading to the quarry from the already surfaced road.
- XV. District Collector to ensure that the provisions stipulated in Maharashtra Minor Minerals Extraction (development and Regulation) Rules shall be strictly adhered to.
- XVI. The configuration of benches should be: 60 degrees slope in the cut, 6 mt depth for cut and 6 mt width for the bench. PP shall ensure that no quarrying is carried out in forest or zudpi jungle. No water sources shall be affected due to quarrying activity. All labor

- engaged in quarrying will be provided with protective gears like mask, helmets, boots etc.
- XVII. District Collector to ensure that distance between one lease area and another lease area or clusters of lease area is more than 500 m.
 - XVIII. Project Proponent to ensure that vehicles transporting stone should not be overloaded beyond stated capacity also to ensure that there is no violation of the Hon'ble NGT, Hon'ble Supreme Court order given in related matters.
 - XIX. PP to prepare Mine closure plan and get it approved by the competent authority, PP will be held responsible personally for non-compliance of the conditions stipulated in the Environmental clearance and shall be liable for legal action under Environment (Protection) Act of 1986.
 - XX. Transport of stone should be by vehicles which are properly covered with Tarpaulin and it should not be overloaded.
 - XXI. The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to this activity, the hydro-geological regime of the surrounding area is not affected. The depth of quarrying should be above the levels of aquifers to avoid the contamination/ degradation of water quality of aquifers. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out. District Collector/mining officer shall ensure this.
 - XXII. Effective safeguards, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Water sprinkling shall also be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. The status of implementation of measures taken shall be reported to Environment Department.
 - XXIII. This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
 5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
 6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
 7. Validity of Environment Clearance: The prior Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Jayashree Bhoj (IAS)
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC, IA- Division MOEF & CC
3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
4. Regional Office MoEF & CC, Nagpur
5. District Collector, Palghar.
6. Regional Officer, Maharashtra Pollution Control Board, Thane.

