



सत्यमेव जयते

## ***Proceedings of the State Environment Impact Assessment Authority Kerala***

*Present: Prof. (Dr.) K.P. Joy, Chairman, Dr. J. Subhashini, Member and Sri. V. S. Senthil, I.A.S.,  
Member Secretary.*

Sub: Environmental Clearance -Application for environmental clearance for the quarry project in Sy. No.413/4A Pt at Payyanad Village, Manjeri Municipality, Eranad Taluk, Malappuram District, Kerala by Sri. V.P. Shareef, Vadkankara Pallikara House, Kuttipara, Payyanadu P.O, Manjeri, Malappuram District-676122- E.C-Granted- Orders issued.

### **STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY**

**No. 850/SEIAA/EC1/2862/2015**

*dated, Thiruvananthapuram 05-08-2016*

- Read: - 1. Application nil dated from Sri. V .P. Shareef, Vadkankara Pallikara House, Kuttipara, Payyanadu P.O, Manjeri, Malappuram District- 676122.*  
*2. Minutes of the 50<sup>th</sup> meeting of SEAC held on 30-31/12/2015.*  
*3. Minutes of the 51<sup>st</sup> meeting of SEIAA held on 29/03/2016.*  
*4. Minutes of the 54<sup>th</sup> meeting of SEIAA held on 21/ 06/2016.*

#### **Environmental Clearance No. 107/2016**

Sri. V .P. Shareef, Vadkankara Pallikara House, Kuttipara, Payyanadu P.O, Manjeri, Malappuram District- 676122 vide his application received on 24-07-2015, sought Environmental Clearance under EIA Notification, 2006 for a building stone quarry in an area of 3.1542 hectares in Sy. No 413/4A Pt at Payyanad Village, Manjeri Municipality, Eranad Taluk, Malappuram District, Kerala. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares). It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dtd. 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares. Other details of the project are as follows:

<b>Basic Details</b>	
Brief description of the project	Quarry project with an area of 3.1542 ha.
Category/Subcategory & Schedule	Category B/B2 & Schedule 1 (a)
Location Sy. no./ District, Taluk/ Village etc.	Sy. No 413/4A Pt at Payyanad Village, Manjeri Municipality, Eranad Taluk, Malappuram District, Kerala.
GPS co-ordinates	Latitude (N) 11°07'28.17" to 11°07'21.26"N
	Longitude (E) 76°10'17.51" to 76°10'06.63"E
Extent of area (in hectares)	3.1542 hectares
Minimum and maximum height of excavation (MSL)	70 m MSL to 105 m MSL
Life of mine proposed	About 10 years
Ultimate depth of mining (in MSL)	50 m. MSL
Distance from the adjacent quarry	There is no quarry in operation within 500m
Capacity of production	1,20,000 MTA
Details of project cost	Rs. 4.50 Crores
Interlinked project (if any)	Nil
Whether CRZ is applicable	Not Applicable
Status of litigation/complaint/cases	Nil as declared
Financial statement including funding source and details of insurance	Source :- Own source & bank loan Insurance :- Insurance to the workers and machinery during construction phase
Env't Mgmt plan/ Eco restoration plan (brief details)	At the end of life of mine, the ultimate floor (bottom) level will reach 65 MSL. The year wise programme of eco-restoration for the life of mine, about 3,000 trees will be planted in an area of 2.9042 ha.
<b>Environmental parameters considered</b>	
<b>WATER</b>	
Water requirement & sources	The total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher / M sand Unit) and 2 KLD for plantation purposes will be sourced from storm water pond
RWH units proposed	Rain water collection pond
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No impoundment, damming, culverting, realignment or other changes to the hydrology of surface water courses.
Water quality meeting requirements	Water quality requirements to meet as per rules after the treatment of water (filtration, disinfection & sedimentation).
<b>LAND</b>	
Proximity to forest lands	None within the area
Access road to the site –Width & Condition	6 m., tarred road, W
Storage of explosives /hazardous substances	Considering low consumption, a 550 kg magazine is for storing the explosive. The magazines exist within the complex
Facility for solid waste management	A total quantity of 20,502 cu. m. of topsoil and 14,194 cu. m of over burden will be removed during the mining

	operations. The topsoil excavated from the quarry will be dumped separately at pre-determined place and subsequently will be utilized in spreading over reclaimed areas for plantation. OB will be utilized for laying internal haul road and will form base in reclamation / plantation
Topographic features/ slope	Part of the proposed land is exposed rock and the remaining land is covered with native trees, shrubs, herbs, grass, climbers, bushes etc. The topography of the lease area is hilly. The highest elevation of the proposed mining area is 105m MSL and lowest is 70m MSL. As the proposed area is hill rock, the drainage of the lease area is towards west. No habitants are located in the lease area.
Top soil, overburden, etc.	Top soil : 20,502 cu. m. Overburden : 14,194 cu. m.
<b>AIR</b>	
Likely emissions affecting environment	Emissions from the vehicles only
<b>Air pollution Management</b>	<ul style="list-style-type: none"> <li>• Dust release to quarry activity should be suppressed periodically by sprinkling of water.</li> <li>• To avoid the dust generation from the drilling operations, wet drilling method should be adopted.</li> <li>• Drill machines should be equipped with dust collectors.</li> <li>• Use appropriate explosives for blasting and avoid overcharging of blast holes.</li> <li>• Controlled blasting techniques should be adopted.</li> <li>• Watering of haul road and other road at regular intervals.</li> <li>• Provide dust filters/ mask to workers working at highly dust prone and affected areas.</li> <li>• Green belt should be developed along the periphery of the lease area.</li> <li>• Periodical monitoring of ambient air quality in and around the lease area, to be done.</li> <li>• During the transportation of the extracted mineral to the end user the following measures should be adopted to minimize dust emissions.</li> <li>• In case of long transportation the trucks after loading should be covered with tarpaulin sheets.</li> <li>• Speed of the vehicles should be maintained within the prescribed limits.</li> <li>• Trucks should not be over loaded and should be maintained to the body level</li> </ul>
Air quality monitoring	<ul style="list-style-type: none"> <li>• Periodical monitoring should be carried out and the ambient air quality status should be maintained as per rules, applicable.</li> </ul>
<b>Noise</b>	<ul style="list-style-type: none"> <li>• Plantation will be carried out along the lease periphery, which acts as acoustic barrier for noise transmission</li> </ul>
Noise level monitoring	<ul style="list-style-type: none"> <li>• Noise level survey should be carried out at proper intervals in the corners of the project site both in day time as well as in night time and should be maintained</li> </ul>

	the noise level with in prescribed limit.		
<b>ENERGY</b>			
Energy requirement	<ul style="list-style-type: none"> <li>The total power requirement will be 75 kW for compressors which will be operated by Diesel Engine</li> </ul>		
<b>BIODIVERSITY</b>			
Presence of any endangered species or red listed category	<ul style="list-style-type: none"> <li>No</li> </ul>		
Loss of native species and genetic diversity	<ul style="list-style-type: none"> <li>The some area of proposed quarry has native trees, climbers, grass, shrubs, herbs etc.</li> </ul>		
Details of Eco restoration programmes	<ul style="list-style-type: none"> <li>The year wise programme of afforestation for the life of mine, about 2,000 trees will be planted. The main aim of the green belt development is to restore the ecosystem to its original form to a maximum possible extent by designing the green cover with the same native species.</li> </ul>		
<b>SOCIAL ASPECTS</b>			
Proximity to nearest habitation		Nearest Town Manjeri, 6 km, W direction	
CSR related to the project / allocation / time frame (details mandatory)	<b>Proposed common CSR Budget</b>		
	Sl. No.	Particulars	Amount Rs. In lakhs
	1	Infrastructure development	Recurring : Rs. 3.17 Lakhs Non Recurring : Rs. 10.97 Lakhs
	2	Health Care	Recurring : Rs. 4.25 Lakhs Non Recurring : Nil
	3	Promotion of Education	Recurring : Rs. 3.24 Lakhs Non Recurring : Nil
	4	Ensuring environmental sustainability	Recurring : Rs. 3.0 Lakhs Non Recurring : Nil
5	Reduction in carbon footprint & CO <sub>2</sub> emission	Recurring : Nil Non Recurring : Rs. 0.90 Lakhs	
<b>GENERAL</b>			
Details of Authorised Signatory & Address for correspondence)		Mr. V.P. SHAREEF, (Owner) Vadakankara Pallikara House, Kuttipara, Payyanadu P.O., Manjeri, Malappuram, Kerala-676122.	
Details of NABET approved EIA consultant Organisation.		M/s Environmental Engineers & Consultants Pvt. Ltd. (Sr. No. 58 as per MoEF & CC list of Accredited Consultant Organization) Head Office :- A1-198, Janak Puri, New Delhi. Branch Office:- C-306, Kanchanjunga Apartments, Palarivattom P.O., Kochi, Kerala	
<p>3. The proposal was considered in the 52<sup>nd</sup> meeting of SEAC held on 8/9-02-2016. The Committee recommended the proposal for issuance of EC, on completion of action against violation subject to following specific condition in addition to the general conditions stipulated for mining projects.</p> <p>1. To the extent possible local biodiversity management committee shall be involved in the environmental management/restoration activities.</p>			

2. Reclamation and eco-restoration should be done by planting native species.

4. The proposal was considered by SEIAA in the 51<sup>st</sup> meeting held on 29-03-2016. As regards the question of violation quarries were brought under E.C regime only after 27.02.2012, consequent on order of Supreme Court in Deepak Kumar's case. Even thereafter the State Government had permitted quarries to work without E.C up to early 2015. Though the issue was considered by Courts, there was no decision to take violation proceedings. There is also High Court Judgement doing away with requirement of E.C in the case of quarries which was operational before coming into effect of KMMC Rules 2015. The matter is now with the Hon: Supreme Court in which there is an interim order for maintaining 'status quo'. If the mining area of the quarry is less than 5 ha violation proceedings would not attracted, if it comes within the purview of the Government Orders (Ind. Dept.) on mining without E.C.

As the recommendation is without site inspection Authority decided to depute the Chairman and Member for site inspection and to ascertain whether it is a working or new quarry.

5. Accordingly Chairman and Member of SEIAA visited the quarry project site on 30/05/2016. The Inspection Report is as follows:

*"SEAC appraised the proposal and recommended for issuance of EC, on completion of action against violation. However, the Authority decided that, consequent to Supreme Court Interim Order for maintaining 'status quo', violation proceedings will not apply as the mining area of the quarry is less than 5 ha. This is an existing quarry in operation with two short term quarrying permits issued by mining and Geology department of Government of Kerala for an area of 0.1295 ha out of the total area of 3.1542 ha. The project proponent said that the mining permit expires in May 2015. The proponents with his representative were present at the time of site visit. The quarry site is about 7km away from Manjeri and is supporting coconut rubber, etc. It is a patta land. The nearest dwelling units is 115 meter away and the nearest quarry is 2 km, away. Nearer to the quarry there is a crusher and M sand unit in operation. The highest elevation of the lease area is 105 m. MSL and lowest is 70 m. MSL. A total quantity of 20502 m<sup>3</sup> of topsoil and 14,194 m<sup>3</sup> of overburden which as agreed by the proponent to be dumped separately, is not done. Pockets of weathered rock with above 2 metre thick of overburden (OB) and topsoil is seen interspersed with cutout rocks all over the place. RWH structures are also not seen except in for a quarry pit. Floral diversity is not observed as the same is considerably disturbed. Quarrying is not scientifically done with Bench formation with the result that deep pits are seen in the quarry. Rubber and Cashew are the main plantations.*

*However, on an overall evaluation, particularly in the light of the recommendation by SEAC, EC may be issued with following specific conditions in addition to the general conditions, suggested by SEAC.*

- *Fencing should be provided all around the lease area, with barbed wires and signboards.*
- *Future quarrying must be done with benches in a planned manner.*
- *Storm water drainage from the quarry must be done only after clarification.*
- *The deep pits seen as a result of unscientific mining should be filled with overburden and displaced topsoil.*
- *Approach road to the quarry and the main haulage road need to be developed with a minimum width of 6m.*
- *Reclamation and eco-restoration should be done by planting nature spaces.*
- *The proponent should give an affidavit to implement the above condition”*

6. On receipt of the site inspection report the proposal was again considered by SEIAA in its 54th meeting held on 21/ 06/2016 and decided to grant E.C subject also to the additional conditions proposed by SEIAA.

**7. Environmental Clearance under the EIA notification 2006 is therefore granted to the quarry project of Sri. V. P. Shareef, Vadkankara Pallikara House, Kuttipara, Payyanadu P.O., Manjeri, Malappuram District- 676122 in Sy. No. 413/4A Pt at Payyanad Village, Manjeri Municipality, Eranad Taluk, Malappuram District, subject to the specific conditions in para 3 and 5 and the general conditions stipulated for mining projects appended hereto. The grant of E.C is also subject to production of non-cluster certificate, affidavit, general conditions stipulated for mining projects and the mitigation measures undertaken in the EMP in the PFR. However if any genuine complaints about the quarry is received, E. C issued shall be reviewed.**

8. Validity shall be five years from the date of this clearance, subject to earlier review of E.C in case of violation or non-compliance of conditions or genuine complaints from residents within the security area of the quarry. Environmental Clearance is therefore granted to the quarry project of Sri.V.P. Shareef, Vadkankara Pallikara House, Kuttipara, Payyanadu P.O, Manjeri, Malappuram District-676122, subject to the above specific conditions and the general conditions annexed hereto

9. The clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures as assured in the Pre-Feasibility report (chapter 4) mining features, chapter 4 of mining plan on mining, chapter 5 (blasting), chapter 6 (drainage), chapter 7 (stacking of mineral rejects and disposal of waste) and chapter 11 environment management plan in the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The above undertakings and the conditions

undertakings and affidavits will be deemed to be part of these proceedings as conditions as undertaken by the proponent, as if incorporated herein.

10. Compliance of the conditions herein will be monitored by the Authority or its agencies and also by the regional office of the Ministry of Environment & Forests, Govt. of India, Bangalore.

- I) Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.
- II) Instances of violation if any shall be reported to the District collector, Malappuram to take legal action under the Environment (Protection) Act 1986.

The given address for correspondence with the authorised signatory of the project is Sri. V. P. Shareef, Vadkankara Pallikara House, Kuttipara, Payyanadu P.O, Manjeri, Malappuram District- 676122.

Sd/  
V.S. SENTHIL, I.A.S.,  
Member Secretary, SEIAA  
&  
Addl. Chief Secretary  
Environment & Forests Department  
Government of Kerala.

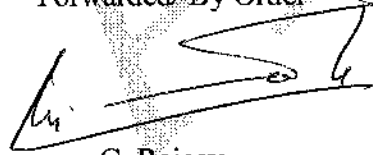
To,  
Sri. V. P. Shareef,  
Vadkankara Pallikara House,  
Kuttipara, Payyanadu P.O,  
Manjeri, Malappuram - 676122.

Copy to:

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block, Koramangala, Bangalore-560034
2. Additional Chief Secretary to Government, Environment Department, Government of Kerala
3. The District Collector, Malappuram
4. Director, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm-24
5. Director, Mining & Geology, Thiruvananthapuram- 4.

6. The Chairman, Manjeri Municipality, Calicut Rd, Karuvambram, Manjeri, Kerala 676517
7. Chairman, SEIAA, Kerala
8. Website
9. S/f
10. O/c

Forwarded/ By Order



G. Rajeev,  
Administrator,  
SEIAA.



SECRET



# STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

## GENERAL CONDITIONS (for mining projects)

1. Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.
2. Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
3. Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.
4. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
5. Sprinklers shall be installed and used in the project site to contain dust emissions.
6. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
7. At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the E.C.
8. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented
9. The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc) shall be protected at all times and shall be conspicuous.
10. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
11. Control measures on noise and vibration prescribed by KSPCB should be implemented.
12. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
13. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
14. A licensed person should supervise/ control the blasting operations.
15. Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.
16. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions.
17. Height of benches should not exceed 5 m, and width should not be less than 5 m, if there is no mention in the mining plan/specific condition.
18. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
19. Maximum depth of mining from general ground level at site shall not exceed 10m
20. No mining operations should be carried out at places having a slope greater than 45°.
21. Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.
22. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
23. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
24. The transportation of minerals should be done in covered trucks to contain dust emissions.
25. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
26. Disposal of spent oil from diesel engines should be as specified under relevant Rules/ Regulations.
27. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
28. A minimum buffer distance of 100 m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.
29. 100 m buffer distance should be maintained from forest boundaries.

30. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
31. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
32. In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.
33. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
34. The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
35. The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Environment Impact Assessment Authority (SEIAA) office and may also be seen on the website of the Authority at [www.seiaakerala.org](http://www.seiaakerala.org). The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
36. A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
37. The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.
38. The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public
39. The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.
40. No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable.
41. The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
42. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.
43. The top soil, if any, shall temporarily be stored at earmarked site(s) only for the topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.

44. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
45. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM<sub>10</sub> and PM<sub>2.5</sub> such as haul Road, loading and unloading points and transfer points – it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
46. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
47. Measures should be taken for control of noise levels below 85 dBA in the work environment.
48. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
49. The funds earmarked for environmental protection measures and CSR activate should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact Assessment Authority (SEIAA) office.
50. The Regional Office of MOEF & CC located at Bangalore 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.
51. 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.
52. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
53. The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
54. The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.
55. This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala, whichever is earlier.
56. The Environmental Clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.
57. The mining operation shall be restricted to above ground water table and it should not intersect ground water table.
58. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area'
59. Project proponent should obtain necessary prior permission of the competent authorities for drawal of requisite quantity of surface water and ground water for the project.
60. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.
61. Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.



For Member Secretary, SEIAA Kerala

**G. RAJDEV**  
Administrator

State Environment Impact Assessment Authority  
Palluvankulam, Perinth  
Thiruvananthapuram-695024  
Phone: 0471-2742204

