



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

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

Sub: Environmental clearance for the Quarry project in Sy. Nos.24/2-14pt, 24/2-15pt, 24/2-18pt, 27/6pt, 27/5pt, 27/6-1-pt, 27/7pt, 27/8pt, 33/1, 33/2-1, 33/3pt, 33/5, 33/6pt, 34/1-1pt, 34/1 pt, 34/1-3pt, 34/3-1pt, 34/4pt at Nedumkunnam Village & Panchayath, Changanacherry Taluk, Kottayam District by M/s. Puthiyaparambil Enterprises- E.C. Granted.

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### **State Environment Impact Assessment Authority, Kerala**

**No. 837/SEIAA/EC4/2715/2015**

**Dated: 31-05-2016**

- Ref:
1. Application dated 10-7-2015 from Sri. M.P. Thomas, Managing Partner M/s Puthiyaparambil Enterprises, Puthiyaparambil House, Nedumkunnam P.O., Kottayam-686542.
  2. Minutes of the 48<sup>th</sup> meeting of SEAC held on 6/7-11-2015.
  3. Minutes of the 52<sup>nd</sup> meeting of SEAC held on 08/09-02-2016.
  4. Minutes of the 51<sup>st</sup> meeting of SEIAA held on 29-03-2016.
  5. Minutes of the 52<sup>nd</sup> meeting of SEIAA held on 29-04-2016.

### **ENVIRONMENTAL CLEARANCE NO. 73 /2016**

Sri. M.P. Thomas, Managing Partner, M/s Puthiyaparambil Enterprises, Puthiyaparambil house, Nedumkunnam P.O., Kottayam-686542, vide his application received on 14-07-2015 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy.Nos. 24/2-14pt, 24/2-15pt, 24/2-18pt, 27/6pt, 27/5pt, 27/6-1-pt, 27/7pt, 27/8pt, 33/1, 33/2-1, 33/3pt, 33/5, 33/6pt, 34/1-1pt, 34/1 pt, 34/1-3pt, 34/3-1pt, 34/4pt at Nedumkunnam village & Panchayath, Changanacherry Taluk, Kottayam District for an area of 4.3242 Ha. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50hectares) and as per O.M. No. L-11011/47/2011-IA.II (M) dated 18<sup>th</sup> May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dated 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 under:

Brief description of the project		Quarry project with an area of 4.3242 ha. & production capacity of 1,25,000 MTA	
Category/Subcategory & Schedule		Category B/B/2 & Schedule 1 (a)	
Location Sy no/ district, Taluk/ village etc.		Survey No. 24/2-14 pt., 24/2-15 pt., 24/2-18 pt., 27/6 pt., 27/5 pt., 27/6-1 pt., 27/7 pt., 27/8 pt., 33/1, 33/2-1, 33/3 pt., 33/5., 33/6 pt., 34/1-1 pt., 34/1 pt., 34/1-3 pt., 34/3-1 pt. and 34/4 pt. of Nedumkunnam Village & Panchayat, Changanassery Taluk, Kottayam District, Kerala	
GPS co-ordinates		Latitude (N)	09 <sup>0</sup> .30'01.01" to 09 <sup>0</sup> .29' 48.14"
		Longitude (E)	76 <sup>0</sup> .39' 48.66" to 76 <sup>0</sup> .39' 42.49"
for Mining projects	Extent of area (in hectares)	4.3242 ha.	
	Minimum and maximum height of excavation (MSL)	125 m MSL and 95 m. MSL	
	Life of mine proposed	17 Years	
	Ultimate depth of mining (in MSL)	95 m. MSL	
	Distance from the adjacent quarry	There are two quarries with total area of 1.3644 ha. (Mr. Martin Joseph for an area of 0.4356 ha. and M/s A.J. Granites for an area of 0.9288 ha.) in operating within 500 m. radius.	
	Capacity of production	1,25,000 MTA	
	Details of project cost	Rs. 4.3 Crores.	
ABOUT THE PROJECT			
Environmental parameters considered			
WATER			
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 units and 2 KLD for plantation purposes and will be sourced from storm water pond.	
RWH units proposed		Rain water collection pond.	
Facilities for liquid waste treatment		Not applicable	
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 meeting requirements after the treatment of water (filtration, disinfection & sedimentation).	
Does it have provisions for use of recycled water		No	
LAND			
Proximity to forest lands		None within the study area	
Access road to the site – Width & Condition		7 m. wide, tarred, NW	
Storage of explosives /hazardous substances		Yes, Explosives will be stored as per Explosive Act / Rules.	
Facility for solid waste mgmt		The municipal solid waste will be suitably disposed.	
Topographic features/ slope		The topography of the lease area is hilly area covered with native tree, climbers, grass, shrubs, herbs etc.	

	Slope = towards north as well as south side.	
Proneness of the area for landslides	No	
Significant land disturbance resulting in crosion, subsidence & instability	No	
Top soil, overburden etc.	Top soil = 3,327 cu.m. Overburden = 2,495 cu.m.	
<b>AIR</b>		
Air quality meeting requirements	To meet requirements as per rules	
Noise level meeting requirements	To meet requirements as per rules	
Likely emissions affecting environment	Diesel engine emissions & emissions from movement of vehicles like dumpers, trucks, tankers etc. will also generate.	
<b>ENERGY</b>		
Energy requirement	The total power requirement will be 75 kW for compressions, which will be drawn from diesel engine.	
Energy sources	From diesel engine.	
Extent of usage of alternative energy resources	No. If not, should be installed solar energy panel.	
<b>BIODIVERSITY</b>		
Presence of any endangered species or red listed category	No. If any, should be properly conserved.	
Loss of native species and genetic diversity	Yes, For the quarrying activity all of native tree species, shrubs, herbs, climbers etc. existing at project site will be cleared. To be rectified as per EMP.	
Likely displacement of fauna	No. If any, should be properly conserved.	
Any introduction of alien / invasive species	No. If any, should be properly conserved.	
<b>SOCIAL ASPECTS</b>		
Proximity to nearest habitation	102 m. , NE side	
CSR related to the project/ allocation/ time frame (details mandatory)	<b>Proposed common CSR Budget</b>	
	Sl.N o.	Particulars
	1.	Health care
	2.	Education
	3.	Development of Infrastructure
	Total	
Amount Rs. In lakhs		
Recurring = Rs. 2.70 lakhs Non-recurring = Rs. 5.0 lakhs		
Recurring = Rs.2.34 lakhs Non-recurring = 4.10 lakhs		
Recurring = Rs. 3.0 lakhs Non-recurring = Nil		
Recurring = Rs. 8.04 lakhs Non-recurring = Rs. 9.10 lakhs		
<b>GENERAL</b>		
Does it have eco restoration programmes	The year wise programme of afforestation for the life of mine, about 4,300 trees will be planted. The main aim of the green belt development is to restore the eco-system to its original form to a maximum extent by designing the green cover with the same native species.	

Litigation/court cases, if any, against the project (provide details)	Nil as declared
Right & nature of ownership of land	Private land
Is the property forest land/govt. land/own land	Own land
Details of authorized Signatory	Sri. M.P. Thomas, Managing Partner M/s Puthiyaparampil Enterprises, Puthiyaparambil House, Nedumkunnam P.O., Kottayam-686542
Details of NABET approved EIA consultant organization	M/s Environmental Engineers & Consultants Pvt. Ltd. (at Sr. No. 55 as per MoEF & CC list of Accredited Consultant Organization) <i>Head Office :-</i> A1-198, Janak Puri, New Delhi. <i>Branch Office:-</i> C-306, Kanchanjunga Apartments, Palarivattom P.O., Kochi, Kerala.

2. Since the tenure of the SEIAA, Kerala had expired, the proponent submitted an application to MoEF directly for getting EC. On constitution of the Authority, MoEF referred it to SEIAA as per letter No. Z-11013/24/2015-IA-II (M) dated 01-04-2015 without the corresponding physical files. The proponent submitted application including Form I, Pre-feasibility report, EMP and Approved Mining Plan. The application was placed before 48<sup>th</sup> meeting of SEAC held on 06-11-15. The Committee decided to defer the item for field inspection to assess the field condition including the distance from the nearest dwelling unit. Field inspection was conducted by the subcommittee members on 13-01-16. The Proponent with his representatives were present at the site at the time of site visit. The details of field inspection are given below.

*"The quarry project site that is partly developed located at about 1 km southeast of Nedumkunnam. The land (4.3242 ha) occupy the flanks of prominent hillock exposing hard rock. The boundary pillars are erected and numbered. The respective GPS coordinates are given in the pilars. The rock type is mostly massive charnockite. Pockets of weathered rock with more than 1 m thick over burden (OB) and top soil is seen in the crestal part. The entire drainage from the elevated land and the sloping part flows as sheet flow without any channelisation. Prominent streams are not in the vicinity. An old pit is used as RWH structure. Rubber is the dominant land use in the patches with soil cover. Floral biodiversity is not observed as there is considerable disturbed. Dwelling units are not seen in the immediate vicinity of 100 m. Old buildings seen are not dwelling units. Four other small quarry pits are seen within 500 m but the total area is unlikely to exceed 25 ha (as evaluated from google images). Based on an overall evaluation of the site, the quarry operations may be recommended with following conditions:*

*1. Storm water drainage from the upper part must be channelised properly and let out through well defined channels. Considering the topography garland drain should also be provided on the lower western part to divert the water away from the pit.*

2. *Water clarification mechanism planned should be in place. Periodic desiltation is mandatory.*
3. *Top soil and OB should be stored in a designated place on the lower slope.*
4. *The road leading to the quarry and the haulage lines should be well maintained with sufficient width for the movement of heavy vehicles."*

3. The proposal was placed in the 52<sup>nd</sup> meeting of SEAC held on 7/8-02-2016. The Committee appraised the proposal and Dr. Harikrishnan, Subcommittee member confirmed that the total area does not exceed 25 ha. The Committee appraised the proposal based on the Mining Plan, Prefeasibility Report, field inspection report and all other documents submitted along with the Form I application and the decided to Recommend for issuance of Environmental Clearance, with following specific conditions in addition to the general conditions stipulated for mining projects.

1. Storm water drainage from the upper part must be channelised properly and let out through well defined channels. Considering the topography garland drain should also be provided on the lower western part to divert the water away from the pit.
2. The effluent should be clarified before it is let out.
3. Top soil and OB should be stored in a designated place on the lower slope.
4. The road leading to the quarry and the haulage lines should be well maintained with sufficient width for the movement of heavy vehicles.
5. To the extent possible local Biodiversity Management Committee shall be involved in the environmental management/restoration activities.
6. Reclamation and eco-restoration should be done by planting native species.

4. The proposal was considered in the 51<sup>st</sup> meeting of SEIAA held on 29-3-2016. Considering the revelation in the site inspection report that there are several dwelling units in the vicinity, Authority authorized the Chairman to visit the site and report. It may also be clarified whether it is a working or new quarry. As decided, Chairman and the Member, SEIAA visited the quarry site on 20-4-2015. The details are given below:

*"This is a working quarry on permit since 2002 with an area of 4.3242 ha and with production Capacity of 1,25,000 MTA. As per of the Field Inspection Report of SEAC, four other quarry pits are seen within 500 m, but the total area is unlikely to exceed 25 ha., although the applicant mentions in this application that there are only two quarries with total area of 1.344 ha in operation within 500 m. radius. The quarry site is partially developed at above 1 km south east of Nedukunnam. The lands occupy the flanks of prominent hillock exposing hard rocks. Although boundary pillars are erected and numbered and the respective GPS coordinates are given in the pillars, the pillars are not joined by barbed wires. Hence the possibility of accidents likely to occur cannot be ruled out. On one side, quarry pit is very deep and on the other side an old pity is used as RWH structure. Steep cuttings are seen on the elevated side. There is no channelization for entire drainage from the elevated land and sloping part. There is no water clarification mechanism. Biodiversity is not considerably disturbed. Dwelling units are not seen with 100 meters.*

*Based on an overall evaluation, the quarry operation is recommended with the following specific conditions in addition to other conditions recommended by SEAC.*

- 1. 'No cluster certificate' should be provided.*
- 2. Fencing of the whole area should be done by barbed wires.*
- 3. Quarry pits should be reclaimed up to ground level.*
- 4. The road leading to the quarry should be properly maintained.*
- 5. An affidavit by the proponent to rectify the above conditions should be produced before starting mining work”.*

5. The proposal was again considered by the Authority in its 52<sup>nd</sup> meeting held on 29-4-2016. Authority decided to grant E.C subject to the specific conditions proposed by SEAC and the above additional conditions stipulated by SEIAA, in addition to the general conditions for mining projects. State Environmental Impact Assessment Authority Kerala hereby grant environmental clearance to the proposed quarry project by Sri. M.P. Thomas in Sy.Nos. 24/2-14pt, 24/2-15pt, 24/2-18pt, 27/6pt, 27/5pt, 27/6-1-pt, 27/7pt, 27/8pt, 33/1, 33/2-1, 33/3pt, 33/5, 33/6pt, 34/1-1pt, 34/1 pt, 34/1-3pt, 34/3-1pt, 34/4pt at Nedumkunnam Village & Panchayath, Changanacherry Taluk, Kottayam District for an area of 4.3242 Ha subject to the specific conditions given in para 3, additional conditions insisted by SEIAA given in para 4, general conditions in the appendix, mitigation measures undertaken in the EMP, in the PFR and in the Mining Plan submitted.

6. The clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures in the Environment Management Plan in Chapter 2 of the Pre-Feasibility Report and 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 and undertakings in Chapter 4 (Mining), Chapter 5 (Blasting) Chapter 6 (Mine Drainage), Chapter 7 (stacking of mineral rejects and disposal of wastes) Chapter 12 (Progressive Mine Closure Plan) of the Mining Plan as submitted will be deemed to be part of this proceedings as conditions as undertaken by the proponent, as if incorporated herein.

7. Validity of the environmental clearance will be five years from the date of this clearance, subject to earlier review in the event of genuine complaint from anybody from the safety area or violation or non- compliance of any of the conditions stipulated herein.

8. 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, Kottayam to take legal action under the Environment (Protection) Act, 1986.

iii) The given address for correspondence with the authorized signatory of the project Sri. M.P. Thomas, Managing Partner, M/s Puthiyaparampil Enterprises, Puthiyaparambil House, Nedumkunnam P.O., Kottayam-686542.

Sd/-  
P.MARA PANDIYAN.I.A.S,  
Member Secretary (SEIAA)  
&  
Additional Chief Secretary  
Environment & Forests Department.  
Government of Kerala.

To,

Sri. M.P. Thomas,  
Managing Partner.  
M/s Puthiyaparampil Enterprises,  
Puthiyaparambil House,  
Nedumkunnam P.O.,  
Kottayam-686542

Copy to,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.
2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala.
3. Director, Mining & Geology, Thiruvananthapuram -4.
4. District Collector, Kottayam
5. Secretary, Nedumkunnam Grama Panchayat, Nedumkunnam P.O., Kottayam-686542.
6. Chairman, SEIAA.
- ✓ 7. Website.
8. S/f
9. O/c



Forwarded/ By Order

Administrator,  
SEIAA





# STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

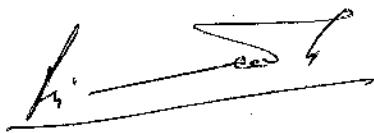
## GENERAL CONDITIONS (for mining projects)

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 is 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 100m 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 up stream and down stream 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.



  
Member Secretary, SEIAA Kerala

**G. RAJEEV**  
Administrator  
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Pallimukku, Pettah  
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