



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: SEIAA- Environmental clearance for the proposed quarry project in Sy. Nos. 137/10 (p), 85/1, 85/2(p) and 84/5 (p) at Valmboor Village, Perinthalmanna Taluk, Malappuram District by Sri. P. Abdul Nassar -Granted- Orders issued.

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

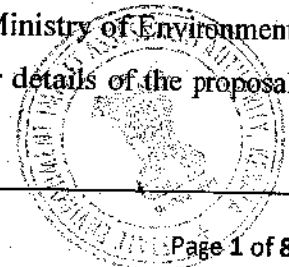
No. 756/SEIAA/KL/331/2015

dated, Thiruvananthapuram 30-05-2016

- Read:-**
1. Application dated 15.12.2014 submitted by Sri. P. Abdul Nassar, Proprietor, M/s. Valmboor Granites, Puvadhilgal House, Kruvampara, Pattikkad Post, Perinthalmanna Taluk, Malappuram - 679325
 2. Minutes of the 46th meeting of SEAC held on 29/30-09-2015.
 3. Minutes of the 53th meeting of SEAC held on 25/26-02-2016.
 4. Minutes of the 52nd meeting of SEIAA held on 29-04-2016.

Environmental Clearance No. 79/2016.

Sri. P. Abdul Nassar, Proprietor, M/s. Valmboor Granites, Puvadhilgal House, Kruvampara, Pattikkad Post, Perinthalmanna Taluk, Malappuram District vide his application received on 02/02/2015 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy. Nos. 137/10 (p), 85/1, 85/2(p) and 84/5 (p) at Valmboor Village, Perinthalmanna Taluk, Malappuram District, for an area of 3.318 hectares. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA.II (M) dated 18th 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 proposal are as follows:

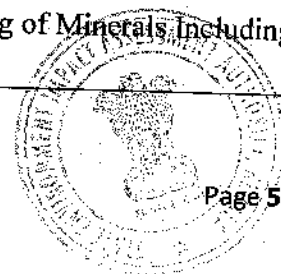


BASIC INFORMATION OF THE PROJECT		
Name of project	M/s. Valamboor Granites	
Brief description of the project	<p>This is an existing stone quarry. The proposed area is exhibits elevated topography with elevation varying from 85 m to 145 m MSL. The quarry operation is proposed to carry out with conventional open cast semi mechanized mining with 5.0 meter vertical bench with a bench width of 5.0 meter. Quarrying operation is carried out by splitting of rock mass from the parent rock mass by jackhammer drilling and blasting. Hydraulic excavators are used for loading the stone from pithead and tippers are used for transportation of stone. Hydraulic excavators are attached with rock breakers for breaking of large boulders to avoid secondary blasting. There is no mineral waste anticipated in the proposed quarry. The entire quarried out mineral will be utilized; hence the stripping ratio is 1:0.</p> <p>There is no mineral waste anticipated in the proposed quarry. The entire quarried out mineral will be utilized; hence the stripping ratio is 1:0.</p> <p>About 22350 m³ top soil will be generated, which will be utilized for backfilling in the mined out pits.</p>	
Category/Subcategory & Schedule	Category: B. (sub-category - B2) Schedule: 1 (a) Mining of Minerals	
Location Sy no/ district, Taluk/ village etc	Survey No-137/10 (P), 85/1, 85/2(P), 84/5(P), Valamboor village, Perintalmanna Taluk, Malappuram District, Kerala State	
GPS co-ordinates	Latitude : 11°01'0.28"N to 11°00'51.68"N Longitude : 76°12'11.49"E to 76°12'2.22"E	
for Mining projects	Extent of area (in hectares)	3.318 hectares
	Minimum and maximum height of excavation (MSL)	Elevation of mine lease area: 85 m to 145 m MSL Height of excavation: 90 m to 145 m MSL
	Life of mine proposed	10 years
	Ultimate depth of mining (in MSL)	upto 90 m MSL
	Distance from the adjacent quarry	Adjacent in north side and few small abandoned mine pits within 500 m radius.
	Capacity of production	Proposed maximum capacity of Building stone production is 92,419 MT Per Annum
	Details of Project Cost	Project Cost: Approx. Rs. 50.0 Lakh (Fixed Assets for Land, Building & Machineries)

<i>Financial Statement including funding source and details of insurance</i>	This is an existing building stone quarry. Existing mine machinery and site infrastructure will be utilised.
ABOUT THE PROJECT	
<i>Environmental parameters considered</i>	<i>Description</i>
WATER	
Water requirement & sources	A total water requirement of 11 KLD will be utilized and met from bore well and open wells from nearby village by tankers. Pit water will be used, when available.
RWH units proposed	Mine pits will be utilised for rainwater harvesting.
Facilities for liquid waste treatment	<ul style="list-style-type: none"> No process effluent will be generated. Construction of garland drains to divert surface run-off from virgin area away from mining area. Construction of check dams / gully plugs at strategic places to arrest silt wash off from broken up area. Collection of surface run-off from broken up area in mine pits for settling and only properly settled excess water from mine pit will be discharged to nearby users. The storm water/ mine water will be used for dust suppression, greenbelt development, etc. Domestic sewage from site office & urinals/latrines provided in ML is discharged in septic tank followed by soak pits.
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	Nil as stated by the proponent
Water quality meeting requirements	Water quality should meet the existing standards as per the Rules
Does it have provisions for use of recycled water	<ul style="list-style-type: none"> No as stated by the proponent The waste water should be recycled and used effectively
LAND	
Proximity to forest lands	Kodikuthimala Forest: 8.5 Km South East
Is the land assigned for any other special purpose; Give details	<ul style="list-style-type: none"> No as stated by the proponent. This is an existing mine previously worked under temporary permits.
Access road to the site – Width & Condition	500 m distance unpaved road from public road connecting Valamboor - Pattikat. Width is about 8-10 m.
Storage of explosives /hazardous substances	Licensed Explosive magazine located within the mine lease area and should be stored and used only as per Explosive Act / Rules.

Topographic features/ slope	This is an existing stone mine. The quarry site exhibits hilly terrain with gentle slope towards south. The elevation of mine lease area varies from 85 m to 145 m MSL. The applied area comprise of existing mine pits and coconut & rubber plantation and few other trees.
Proneness of the area for landslides	Systematic opencast mining with benches will be carried out. Ultimate slope of the mine will be maintained at 45°. Since the granite is hard rock formation, landslides are not likely. The area falls in seismic zone III and is moderately prone to seismic activities.
Significant land disturbance resulting in erosion, subsidence & instability	The land use of the mine lease area will changed to mine pits. Systematic opencast mining with benches will be carried out. Since the granite is hard rock formation, subsidence and instability are not envisaged.
Facility for solid waste management including top soil, overburden etc.	The Building stone quarrying does not produce any waste. The entire Building stone irrespective of size will be sold in commercial market. About 22350 m ³ top soil/OB will be generated during mining, which will be used for plantation and partial backfilling of the mined out pits. The Building stone quarrying does not produce any waste. The entire Building stone irrespective of size will be sold in commercial market.
AIR	
Air quality meeting requirements	Air quality should be monitored periodically as per Norms and Mitigation Measures should be carried out to prevent dust and Air propagation in to air. Air quality should comply with the requirements as per rules.
Noise level meeting requirements	Periodic air quality monitoring will be carried out in mining area and nearby villages to ensure ambient air quality with in permissible limits. Noise quality should comply with the requirements as per rules.
Likely emissions affecting environment	Dust emissions during mining activities and SO ₂ & NO _x emissions during loading and transport activities. Noise will be generated due to mine machineries and transport vehicles. It should be properly controlled without affecting the quality of air.
ENERGY	
Energy requirement and source	15-20 litre diesels per hour. Electricity for office use and lighting for security during night. Diesel from nearby filling stations. Electricity from State Electricity Department.
Extent of usage of alternative energy resources	Electric current and diesel are source of electricity. Solar energy should be utilized as alternative energy resource.
BIODIVERSITY	
Presence of any endangered species or red	Nil as stated by the proponent

listed category	
Loss of native species and genetic diversity	Not involved, except small bushes and coconut & rubber trees, no major vegetation cover/valuable flora is found within the mining lease area. Eco-restoration should be done with native species.
Likely displacement of fauna	This is an existing mine. No wild fauna is observed in the mine lease area.
Any introduction of alien / invasive species	Nil.
SOCIAL ASPECTS	
Proximity to nearest habitation	Nearest House at 100 m SE in Valmboor village
CSR components suggested	
CSR related to the project	In the following sectors: 1. Education 2. Health 3. Community Development as per the submission by the proponent.
GENERAL	
Eco restoration programmes	As per EMP and approved mining plan, as submitted
Biomedical waste management	There is no biomedical waste generation in the building stone quarry.
E-waste management	There is no E-waste generation in the building stone quarry.
Sufficiency of parking spaces/ traffic management	About 21 trips per day of 15 ton capacity trucks will be required for transport of building stone. The transport trucks will be parked within the mining area. Existing roads are sufficient to cater the stone transport activities.
Litigation/court cases, if any, against the project (provide details)	Nil as stated by the proponent
ADDITIONAL DETAILS	
Details of Authorised Signatory	Sri. P. Abdul Nasar S/o Abdul Rahiman Proprietor M/s. Valmboor Granite Quarry Puvadhilgal House, Kuruvampara, Pattikad Post, Perintalmanna Taluk, Malappuram District – 679325, Kerala. Mobile No. : 9349887676
Details of NABET approved EIA consultant organization	Anacon Laboratories Pvt. Ltd., Nagpur QCI-NABET Accredited EIA Consultant letter No. NABET/EIA/1316/RA005 valid upto Nov. 12, 2016 Under Category 'B' for Sector No. (1) Mining of Minerals Including Opencast/ Underground Mining.



The proposal was first placed in the 46th meeting of the SEAC held on 29-30/09/2015 and the Committee deferred the item for the production of more realistic CSR and for field inspection. The details of field inspection are furnished below:

"The sub-Committee of SEAC consisting of Dr. Khaleel Chovva and Dr. P.S. Harikumar visited the quarry project on 13/12/2015 in Sy NoS. 137/10(P), 85/1, 85/2(P), 84/5(P) at Valampoor village, Perinthalmanna Taluk, Malappuram District of M/s Valamboor Quarry. The proponent M.P. Abdul Nasar present at the site.

It is an existing active quarry. There are some abandoned mine pits nearby. Overburden is found stored separately where tree planting is possible. Open cast semi mechanised method is practised and benching is just started. The drainage from quarry is collected in an artificial pit for desiltation and clearing. Vegetation is seen around the quarry with common local plants which are having status of least concern. 3.318 ha area is proposed for quarrying. No houses or settlements nearby.

Conditions to be added

1. Quarrying should be strictly limited to 3.3 ha as proposed.
2. Proper fencing and sign boards must be fixed all around
3. The approach road is properly maintained. Entry of large vehicles may be restricted
4. Retaining wall should be maintained at lower slope to avoid leaching."

On submission of the more realistic CSR the proposal was considered by SEAC in its 53rd meeting held on 26/27-02-2016. The Committee appraised the proposal in the light of the field inspection report, Form -I, mining plan and other details furnished by the proponent. The Committee noted the violation committed due to illegal functioning of the quarry as found during the field inspection. However the Committee recommended for issuance of EC with specific conditions given below in addition to general conditions, mentioned in the field inspection report after completing action against violation.

1. Quarrying should be strictly limited to 3.3 ha as proposed.
2. Proper fencing and sign boards must be fixed all around
3. Retaining wall should be maintained at lower slope to avoid leaching.
4. Entry of large vehicle shall be restricted in the approach road.

The matter was considered by the SEIAA in its 52nd meeting held on 29-04-2016 in the light of the judgments of the Hon High Court of Kerala as to requirement of prior EC for working quarries having mining area less than 5ha.

The site inspection report reveals that it is an existing quarry; requirement of E.C for quarries having area less than 5 ha was introduced only after 27-02-2012 consequent on the order on that day by the Hon. Supreme Court in Deepak Kumar's case. Thereafter govt. granted time till 2/2015 to function without E.C in respect of working quarries. Hon. Supreme Court has ordered status quo on 30-10-2015 in SLP. No. 30103/15 filed by Sri. T. K. Thomas

Authority decided to accept the above recommendations except on violation proceedings and to grant E.C subject to the specific conditions recommended by SEAC and the general conditions on mining projects.

Authority decided that EC may be issued to the quarry as per the recommendations of SEAC. Environmental Clearance under the EIA notification 2006 is therefore granted to the quarry project of M/s Valamboor Granites in 3.318 ha comprised in Sy. Nos. 137/10 (p), 85/1, 85/2(p) and 84/5 (p) at Valamboor Village, Perinthalmanna Taluk, Malappuram District subject to

the specific conditions above and general conditions for mining projects. The grant of E.C is also subject to production of no cluster certificate, affidavit and 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.

3. Validity may be five years subject to inspection by SEIAA on annual basis and compliance of the conditions, 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. P. Abdul Nassar, Proprietor, M/s. Valmboor Granites, Puvadhilgal House, Kruvampara, Pattikkad Post, Perinthalmanna Taluk, Malappuram-679325, Kerala subject to the general conditions annexed hereto.

4. 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 Environment Management Plan 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 3 & 4 of Mining plan (Mining), Chapter 2 & 2.6 of PFR (EMP), Chapter 2.7 of Mining plan (Blasting), Chapter 2.11 of PFR (Disaster Management), and the entire Progressive Mine Closure Plan as submitted will be deemed to be part of these proceedings as conditions as undertaken by the proponent, as if incorporated herein.

5. Compliance of the conditions herein will be monitored by the Directorate of Environment and Climate Change 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.

6. The given address for correspondence with the authorised signatory of the project is Sri. Abdul Nasar S/o Abdul Rahiman, Proprietor, M/s. Valmboor Granite Quarry, Puvadhilgal House, Kuruvampara, Pattikad Post, Perinthalmanna Taluk, Malappuram District - 679325

Sd/

P. Mara Pandiyan., I.A.S
Member Secretary (SEIAA)

&

Additional Chief Secretary to Government
Environment & Forest Department
Government of Kerala.

To,

Mr. Abdul Nasar
S/o Abdul Rahiman
Proprietor
M/s. Valmboor Granite Quarry
Puvadhilgal House, Kuruvampara, Pattikad P.O.,
Perinthalmanna Taluk,
Malappuram District - 679325.



Copy to:

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E& F Wing, II block, Koramangala, Bangalore-560034.
2. Principal Secretary to Government, Environment Department.
3. The District Collector, Malappuram.
4. The Director, Mining and Geology Department, Kesavadasapuram, Thiruvananthapuram-4
5. The Secretary, Angadipuram Grama Panchayath, Angadipuram P.O., Malappuram-679321
6. Chairman, SEIAA
7. E.C File
8. Stock File
9. O/C.

to Website



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. 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 PM₁₀ and PM_{2.5} 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 or 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. RAJEEV
Administrator

State Environment Impact Assessment Authority
Pollution Control, Palakkad

Thiruvananthapuram-760024
Phone No: 0471-2440204

