



सत्यमेव जयते

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 building stone quarry project in Sy.No. 496/1, 496/2-1, 498/11, 498/1, 498/2, 498/9(part), 498/9-3, 498/9-4 and 498/10 at Mallapally Village, Mallapally Taluk, Pathanamthitta District- by Sri. A.D. John-EC Granted-Orders issued

State Environment Impact Assessment Authority, Kerala

No. 796/SEIAA/EC4/1957/2015

Dated: 1-6-2016

- Ref:**
1. Application dated nil from Sri. A.D. John, Managing Director, Puthenveetil, Mallapally, Keezhuvaipur, Perumpramavu P.O Pathanamthitta-689 587.
 2. Minutes of the 47th meeting of SEAC held on 14-10-2015.
 2. Minutes of the 49th meeting of SEAC held on 7-12-2015.
 3. Minutes of the 52nd meeting of SEAC held on 08/09-02-2016.
 4. Minutes of the 54th meeting of SEAC held on 6/7-4-2016.
 5. Minutes of the 53rd meeting of SEIAA held on 24-5-2016.

ENVIRONMENTAL CLEARANCE NO. 86 / 2016

Sri. A.D. John, Managing Director, Puthenveetil, Mallapally, Keezhuvaipur, Perumpramavu P.O, Pathanamthitta-689 587 vide his application received on 20-05-2015 has sought Environmental Clearance under EIA Notification, 2006 for the quarry project in Sy. Nos. 496/1, 496/2-1, 498/11, 498/1, 498/2, 498/9(part), 498/9-3, 498/9-4 and 498/10 at Mallapally Village, Mallapally Taluk, Pathanamthitta District -for lease area of 3.31.63 hectares. 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 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 project are as under:

Location Sy no/ district, Taluk/ village etc.		Sy. Nos. 496/1, 496/2-1, 498/11, 498/1, 498/2, 498/9(part), 498/9-3, 498/9-4, 498/10 of Block No. 28, Mallapally Village, Mallapally Taluk, Pathanamthitta District.	
GPS co-ordinates		Latitude (N)	09°25'19.98"N - 09°25'27.89"N
		Longitude (E)	76°41'06.26"E - 76°41'15.86"E
for Mining projects	Extent of area (in hectares)	3.3163 Hectares	
	Minimum and maximum height of excavation (MSL)	90 m & 55 m RL	
	Life of mine proposed	5 Years	
	Ultimate depth of mining (in MSL)	51 m	
	Distance from the adjacent quarry	2.0 km	
	Capacity of production	48698 Cu.m / Annum (Max. rate of production)	
	Details of project cost	40.46 Lakhs	
ABOUT THE PROJECT			
Environmental Parameters Considered			
WATER			
Water requirement & sources		12.0 KLD & Open well at the Project site	
RWH units proposed		Existing pit will be utilized as rain water reservoir.	
Facilities for liquid waste treatment		Domestic wastewater generated will be treated through the septic tank followed by soak pit	
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?		No	
Water quality meeting requirements		Water quality in the study area is meeting the requirements prescribed by the PCB.	
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		Width of the access road to site is 8m	
Storage of explosives /hazardous substances		Explosives will be stored as per the Indian Explosive Act 1958 & explosive rules 1983. License No: E/SC/KL/22/276(E11706) dated 3/3/2014 valid upto 2019	
Facility for solid waste management		It is proposed to stack initially along the lease boundary and will be backfilled finally within the mine lease area	
Topographic features/ slope		Topography of the area is hilly terrain.	
Proneness of the area for landslides		Site area fall under Seismic Zone III. It is not a landslide prone area.	
Significant land disturbance resulting in erosion, subsidence &		Due to excavation, significant land disturbance will occur.	

instability																						
Top soil, overburden etc.	Top soil 2576 m ³ & Over burden 9552 m ³ will be generated during the mining period. It will be stacked separately & backfilled at the end of life of mine.																					
AIR																						
Air quality meeting requirements	Water sprinkling and other mitigation measures will be provided during mining activity to control the air emissions																					
Noise level meeting requirements	Adequate mitigation measures will be provided to control the noise emissions during blasting & mining activity.																					
Likely emissions affecting environment	There will not be any other major emissions																					
ENERGY																						
Energy requirement	Diesel will be utilized for operating compressors and other machineries and its requirement is 1000 lit/month																					
BIODIVERSITY																						
Presence of any endangered species or red listed category	No.																					
Loss of native species and genetic diversity	The proposed mining activity involves clearing of minor shrubs and weeds and does not cause loss of native species or genetic diversity.																					
Likely displacement of fauna	There will not be any major displacement of fauna. If any, should be properly conserved.																					
Any introduction of alien / invasive species	The proposed mining activity does not introduce any alien species. If any, should be properly conserved.																					
SOCIAL ASPECTS																						
Proximity to nearest habitation	Keezhvaipur – 1.47 km, NW																					
CSR related to the project/ allocation/ time frame (details mandatory)	<table><tr><th>S. No</th><th>Description</th><th>Approx. Amount proposed (Lakhs)</th></tr><tr><td>1</td><td>Renovation of old Govt. school buildings</td><td>2.0</td></tr><tr><td>2</td><td>Repairing of damaged Roads</td><td>2.0</td></tr><tr><td>3</td><td>RO water treatment facility for Govt. school</td><td>1.5</td></tr><tr><td>4</td><td>Construction of water tanks for village people</td><td>2.0</td></tr><tr><td>5</td><td>Organizing Health camps</td><td>1.0</td></tr><tr><td colspan="2">Total</td><td>9.0</td></tr></table>	S. No	Description	Approx. Amount proposed (Lakhs)	1	Renovation of old Govt. school buildings	2.0	2	Repairing of damaged Roads	2.0	3	RO water treatment facility for Govt. school	1.5	4	Construction of water tanks for village people	2.0	5	Organizing Health camps	1.0	Total		9.0
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GENERAL																						
Does it have eco restoration	Green belt will be developed around the mine lease																					

programmes	boundary, around mine office, haul road, etc. to restore the ecology and aesthetics of the mine site.
Sufficiency of parking spaces/ traffic management	The existing transport facilities will be utilized for the proposed project. The proposed project does not involve any closure or diversions of existing transport routes.
Litigation/court cases, if any, against the project (provide details)	Nil as declared
Right & nature of ownership of land	Part of the property is own land and the rest is leased from private individuals.
Is the property forest land/govt. land/own land	Own / Lease Land
Details of Authorized Signatory	Sri. A.D. John. Managing Director, Puthenveetil, Mallapally, Keezhuvaipur, Perumpramavu P.O Pathanamthitta District, Kerala-689 587.
Details of NABET approved EIA consultant organization	Certificate No.:NABET/EIA/1316/RA001 ABC Techno Labs India Pvt. Ltd, No.2, 2nd street, Thangam colony, Anna Nagar West, Chennai- 600 040 Ph: +91 -422 -2453737

2. The proposal was placed in the 47th SEAC held on 14-10-2015. The Committee appraised the proposal and decided to defer the item for field visit by the subcommittee concerned. Field visit to the Quarry project site of Sri A.D. John, in Mallappally Village, Mallappally Taluk, Pathanamthitta district, Kerala was carried out on 24.10.2015 by the subcommittee of SEAC, Kerala. The proponent with his representatives were present at the site at the time of site visit. The field inspection details are given below;

"The project is located at about 1.5 km south east of Keezhvaipur in between Karimbankuzhi colony and Parathodu. This quarry lease area of 3.3163 ha falling in own land occupy part of an already quarried area on the west and partly in the rock exposed area on the east. On the northern side deep water logged pits were noted. The pits of the quarried area were mostly covered with water. The flanks are steeply sloping to sub vertical as quarrying was not done with benches. The elevation of the lease area ranges from 90m in the rock exposed hillock to 50 m in the quarried part. The rock type is charnockite. The foliation is steep and the rock shows prominent subvertical joints towards NW and ENE. Pockets of weathered rock with about 1 m thick over burden (OB) and top soil is seen interspersed with rock out crops in the eastern most part. The removed OB from the existing quarry is not observed in the site. The entire storm water from the quarry pits is let out through a piped opening on the southwest side into the nearby valley. RWH structures are also not seen excepting for a quarry pit. Parathodu is a prominent stream seen to the north flowing along a rocky basement with small rapids and waterfalls.

Rubber is the dominant land use. Floral biodiversity is not observed as there is considerably disturbed. Dwelling units are seen in the immediate vicinity. A 100 m buffer distance has been measured and marked from the nearest residential units as a no development zone. The project is for quarry without any crusher unit. Enquiry was also made with the residents of the Lakshamveedu Colony on the east. They feel that the quarry will open up employment opportunity to the natives.

Based on an overall evaluation of the site, the quarry operations may be recommended with following conditions:

- 1. The proponent must submit the Cadastral map of the lease area clearly indicating the area proposed to be quarried ensuring a minimum 100m buffer distance from the dwelling units.*
 - 2. Fencing should be provided all around the lease area.*
 - 3. The worked out area with very steep cliff like feature may be demarcated and fenced as danger zones with sign boards. Future quarrying must be done with benches in a planned manner.*
 - 4. Storm water drainage from the quarry must be let out to the valley only after clarification.*
 - 5. The deep pit seen on the SW side with piped overflow must be maintained as a RWH structure with sufficient depth.*
 - 6. Ultimate depth of mine must be limited to the floor level of Parathodu which is at about 40 m amsl.*
 - 7. Approach roads to the quarry and the main haulage road need to be developed with a minimum width of 6 m.*
 - 8. The CSR need redrafting with inclusion of felt needs of the locality. Maintenance of the road from Parathodu and Panchayat road located in the northern part, grant to Anganavadi in the Colony etc. may be projected. It should ensure employment to the local people.*
 - 9. Other items from general conditions like a) Appropriate sign boards should be displayed, b) The blasting time must be displayed and strictly adhered to, c) The PPV values must be less than 10 mm/sec, d) Steps to be taken to limit fly rock to within the lease area. Rock fragments should not fall anywhere outside the lease area, e) Dust suppression mechanism must be in place f) A belt of trees (Vegetation belt) should be maintained all around the quarry but must be maintained till the entire life of quarry, g) A separate small plot to be maintained in the premise to preserve rare and endemic species, if any, listed in the biodiversity assessment etc."*
3. In the meantime the proposal was placed in the 49th meeting of SEAC held on 7/12/2015. The Committee verified the proposal and found that the proponent has not submitted the Cadastral map of the lease area clearly indicating the area proposed to be quarried ensuring a minimum 100m buffer distance from the dwelling units as suggested by the sub-committee at the time of field inspection. The Committee deferred the item for the production of Cadastral map. The proponent has submitted the scanned copy of cadastral

map. Although, the proposal was included in the agenda for 52nd SEAC meeting held on 8/9-2-2016, it was decided to place in the subsequent meeting for want of subcommittee members.

4. The proposal was again placed in the 54th meeting of SEAC held on 6/7-4-2016. The Committee appraised the proposal based on Form I, Pre-Feasibility Report, Mining Plan & Field Inspection Report. The Committee decided to recommend for issuance of EC with the general conditions subject to the following specific conditions.

1. Fencing should be provided all around the lease area.
2. The already worked area with very steep cliff like feature may be demarcated and fenced as danger zones with sign boards. Future quarrying must be done with benches in a planned manner.
3. Storm water drainage from the quarry must be let out to the valley only after clarification.
4. The deep pit seen on the SW side with piped overflow must be maintained as a RWH structure with sufficient depth.
5. Ultimate depth of mine must be limited to the floor level of Parathodu which is at about 40 m amsl.
6. Approach roads to the quarry and the main haulage road need to be developed with a minimum width of 6 m.

5. The proposal was considered in the 53rd meeting of SEIAA held on 24-5-2016. Authority examined the recommendation. It is seen that there are dwelling units within the immediate vicinity. It was decided to issue E.C in this case after obtaining an affidavit from the proponent to the effect that a minimum distance of 100 meters from the periphery of the mining area to the nearest dwelling units will be left.

6. As decided by 53rd SEIAA, the documents called for having been submitted by the Proponent, State Environmental Impact Assessment Authority Kerala hereby grant environmental clearance to the proposed quarry project by Sri. A.D. John in Sy. Nos. 496/1, 496/2-1, 498/11, 498/1, 498/2, 498/9(part), 498/9-3, 498/9-4 and 498/10 at Mallapally Village, Mallapally Taluk, Pathanamthitta District for lease area of 3.31.63 hectares subject to the specific conditions given in para 4, additional conditions insisted by SEIAA given in para 5 on leaving minimum distance of 100 meters from the periphery of the mining area to the nearest dwelling units will be left, general conditions in the appendix, mitigation measures undertaken in the EMP, in the PFR and in the Mining Plan submitted.

7. 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 6 (Mining), Chapter 7 (Blasting) Chapter 8 (Mine Drainage), 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.

8. 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.

9. 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, Pathanamthitta to take legal action under the Environment (Protection) Act, 1986.

iii) The given address for correspondence with the authorized signatory of the project Sri. A.D. John, Managing Director, Puthenveetil, Mallapally, Keezhuvaipur, Perumpramavu P.O., Pathanamthitta District-689 587.

Sd/-

P.MARA PANDIYAN.I.A.S,
Member Secretary (SEIAA)

&

Additional Chief Secretary
Environment & Forests Department.
Government of Kerala.

To,

Sri. A.D. John,
Managing Director,
Puthenveetil, Mallapally,
Keezhuvaipur,
Perumpramavu P.O
Pathanamthitta-689 587.

Copy to,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th 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, Pathanamthitta
5. Secretary, Mallapally Grama Panchayat, Pampady P.O., Kottayam-686521.
6. Chairman, SEIAA.
- ✓ 7. Website.
8. S/f
9. O/c



Forwarded/ By Order

Administrator, SEIAA

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

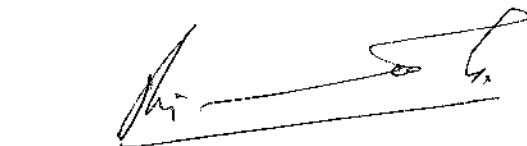
GENERAL CONDITIONS (for mining projects)

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. 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 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

State Environment Impact Assessment Authority
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