

Validity expires on 08-03-2021



***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. 46/1-2, 46/1-3, 46/1-1, 46/1
at Moonnilavu Village, Kottayam district by M/s Mankombu Granites- Judgments of the
Hon: High Court of Kerala in W.P. 27209/2015 and R.P No. 1022/ 2015 filed by Sri.
M.A. Nalinakshan Nair*

State Environment Impact Assessment Authority, Kerala

No. 76/EC4/171/2013/SEIAA

Dated: 09-03-2016

- Ref: 1. Application dated 31-7-2012 from Sri. M.A. Nalinakshan Nair, Managing Partner,
Mankombu Granites, Vellara, Moonnilavu P.O, Kottayam, 686586.
2. Minutes of the 13th meeting of SEAC held on 2-3-2013.
3. Letter No.J-11015/446/2014-IA-II(M) dated 16-6-2015.of MoEF, Govt. of India.
4. Minutes of the 31st meeting of the Expert Appraisal Committee of the MoEF held on
16-18/3/2015.
5. Minutes of the 45th meeting of SEIAA held on 11/12-9-2015.
6. Judgment dated 23-9-2015 of the Hon. High Court of Kerala in W.P No. 27029/2015
filed by Sri. M.A. Nalinakshan Nair.
7. Order dated 1-12-2015 of the Hon. High Court of Kerala in R.P No.1022/2015 in
W.P No. 27029/2015.
8. Letter dated 14-12-2015 from Sri. M.A. Nalinakshan Nair, Managing Partner,
Mankombu Granites, Vellara, Moonnilavu P.O, Kottayam, 686586.
9. Fax Message No. Q1-Cont. Case (C) No. 123/2016 dated 11-2-2016 from Sri. T.P.
Sajid, Senior Government Pleader.
10. Minutes of the 50th meeting of SEIAA held on 25-2-2016.

ENVIRONMENTAL CLEARANCE NO. 34 / 2016

M/s Mankombu Granites, Building No.4/194, Vellara, Moonnilavu. P.O, Kottayam, 686586 has applied for obtaining Environmental Clearance under EIA Notification dated 14-09-2006 for the proposed quarry project at Moonnilavu Village, Moonnilavu Panchayath, Meenachil Taluk, Kottayam district, Kerala. The details of the case are as under:

- The proposed quarry site is a private land and the land is possessed in the name of M/s Mankombu Granites.

- The proposed project is for quarrying of 2,40,000 MTA of building granite stone from an area of 3.9942 hectares of land. The expected life of mine will be 6.57 years.
- The project comes under Activity 1(a) in the Schedule of EIA Notification 2006 and since it is below 50 hectares, it comes under B category.
- Vide para 3 of O.M. No. L-11011/47/2011-IA.II(M) dated 18th May 2012, the mining projects with lease area up to less than 50 ha including projects of minor mineral with lease area less than 5 ha would be treated as category 'B' as defined in the EIA Notification 2006.
- At the end of life of mine, excavated pit (3.0842 ha) will be fully reclaimed and rehabilitated by plantation.
- The proposed project activity involves about 100% of the pit area for exploring granite building stone.
- The proposed project does not involve any underground mining activities.
- The mining will be done by open cast semi mechanised method of mining.
- The bench height and width proposed is 5 m and width maintained at 6 m
- The ultimate depth of the mine workings is estimated to be 515 MSL. The exploitation of mineral is being done from 650 m MSL to 515 m MSL in conceptual phase.
- A total quantity of 11,977 m³ of top soil and 5800 m³ of overburden will be removed during the mining operations. The top soil excavated from the quarry will be dumped separately at pre-determined place and subsequently will be utilized in spreading over reclaimed areas for plantation. Overburden will be utilized for laying internal haul road and will form base in reclamation / plantation.
- The sewage of 0.8 KLD generated from the mine office will be diverted to the septic tank followed by soak pit.
- About 40 trips of 20 T capacities will be utilised for transporting the mineral on daily basis.
- The total water requirement for the proposed activity is 5 KLD. The domestic water demand will be met from storm water / bore well. The water required will be sourced from the storm water reservoir. However the drinking water will be sourced from the existing open well which shall be purified in mini RO plant. It is proposed to collect the storm water into the holding/siltation tank by constructing channels all around the foot of hill. The channels will be constructed with intermediate check dams to prevent soil erosion.
- The total power requirement of 75 kW will be drawn from diesel engine.
- There will be fugitive emissions generated during material handling, transportation, loading, unloading, etc. that are proposed to be managed by regular water sprinkling on haul road, green belt development and avoiding overloading of vehicles.
- The explosives will be stored in the magazines in an isolated place and the licensed person will supervise / control the blasting operations.
- Ulakkapara Thodu is located at 1.5 km SE of the project site.
- The mineral produced from the proposed mine will be sent to the crusher plant which is under construction within the complex for crushing it to the required size before dispatching it to end use.

1.	Category/Sub category & Schedule	Category B, 1(a), as per O.M. No. L-11011/47/2011-IA.II(M) dated 18 th May 2012
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	GPS readings in WGS 84 datum	9°45'39.73" N to 9°45'47.96" N 76°48'24.59" E to 76°48'33.26" E
2.	Distance of the mining area from the nearest human settlement	110 m W
3.	Is the mine lease area less than 5ha	Yes
4.	Extent of area in m ²	39,925 m ²
5.	Proposed production capacity	2,40,000 MTA
6.	Ultimate depth of mining	515 MSL
7.	Quantity of topsoil estimated to be removed	11,977 m ³
8.	Method of mining	Open cast semi-mechanised method of mining
9.	Underground mining if any proposed	No
10.	Analysis reports from accredited laboratories	Air, water and noise analysis reports provided.
11.	Waste management proposals	As in PFR
12.	Mined area management	As in PFR and approved Mine Plan
	a) Accreditation with serial number of QCI / NABET	Sl. No. 54
13.	Proposals for Corporate Social responsibility	Provided
14.	Total cost of the project with details	1.50 Crores

2. The proposal was considered the 13th meeting of State level Expert Appraisal Committee (SEAC) of SEIAA held on 2-3-2013. The Committee noticed the following shortcomings in the proposal submitted by the proponent.

1. Regarding proof of ownership of land, copy of land tax receipts for all Sy. Nos. in the name of Thresia Luke Kocheri, was provided. But consent from Thresia Luke Kocheri to conduct mining activities in the land owned by her was not provided.
2. The Authorized signatory is Sri.Nalinakshan Nair. Copy of partnership deed was provided wherein Theresa Kocherry has put signature for M/s Mankombu Granites as its MD. Copy of resolution passed in the meeting of Partners of M/s Mankombu Granites authorizing Sri. M.A. Nalinakshan Nair as the Authorized signatory of Mankombu Granites was also provided. But the signature of Theresa Kocherry in the resolution and partnership deed was different.
3. Area survey plan approved by Village officer was provided but lacks clarity as Sy. nos. mentioned in the proposal were not shown in the survey plan clearly.
4. Against column 24 of Basic information of Form 1, the proponent had submitted that no litigation is pending against the lease area/ applicant of this lease area in any court of law to the best of knowledge. The Committee found that, such a submission of the authorized signatory was against the facts. This was later confirmed by the authorized signatory.

Considering all the above, the proposal was deferred and the Committee directed the proponent to submit a fresh proposal avoiding all factual errors narrating the full details of court cases, among others with documentary evidences. The decision of the 13th SEAC was intimated to the proponent on 16-04-2013. The said communication was returned by postal authorities as 'unclaimed'. Thereafter on 20-5-2015 the Authority sent an e-mail informing that if their response is not received within 60 days of receipt of the communication, the application will be delisted/ rejected.

3. Since the tenure of SEIAA, Kerala expired on 2-11-2014; the proponent submitted an application to MoEF directly for clearance from the Ministry under the provisions of the EIA notification. The matter was considered in the 27th and 31st meetings of the EAC of MoEF held on 10-

11 December 2014 and 16-18 March 2015 respectively. The Committee noted that it is a violation case as the mining has been done during 1-4-2014 to 9-2-2015 without prior environmental clearance as per the provision of the EIA notification, 2006, and also recommended the case on 16-18/3/2015. A show cause notice on violation proceedings under the Environment (Protection) Act, 1986 was issued by MoEF on 15-5-2015. The proponent submitted a reply to the EAC of the MoEF, Government of India on 20/05/2015. On constitution of SEIAA/SEAC in Kerala w.e.f. 19/03/2015, the MoEF transferred the application as such to SEIAA, Kerala 'for necessary action' which was received by SEIAA on 23-06-2015. Thereafter the entire proceeding was as if it is in pursuance of the application already submitted to SEIAA referred to as the 1st paper above. The whole case was placed in the 45th meeting of SEAC held on 11/12-9-2015 for appraisal and recommendation. The Committee remarked as under:

'The proposal has been forwarded by MoEF in which they have stipulated action against violation. This has to be reported to SEIAA. However before submitting to MoEF the project was considered by SEAC in its 13th meeting held on 2nd March 2013. Now the proponent has submitted mining plan. It is not in accordance with the KMMC Rules, 2015. Hence he has to submit a revised mining plan. However, the committee permitted to make a brief presentation. The Committee members raised queries regarding the slope and haulage facility in the area. It was informed that the proponent has acquired additional area to facilitate easy haulage and the above area is not included in the Mining Plan. The Committee decided to defer the item for submission of properly approved mining plan incorporating the entire area proposed for mining and also for field visit'.

In compliance with the decision of the 45th meeting of SEAC held on 11/12-09-2015, the petitioner submitted revised mining plan. At this juncture the proponent filed W.P.27209/2015 in the Hon. High court of Kerala for declaration for 'deemed clearance' based on the recommendation of the EAC of MoEF to the effect that their quarry project at Monnilavu, Kottayam may be deemed to have the environmental clearance as per the EIA notification 2006 as the application therefore was not disposed of within 45 days.

4. On 01/12/2015 in R.P. No. 1022/2015 filed by the proponent it is ordered by Hon. High Court that if the petitioner has fulfilled all the condition in the recommendation of the EAC final decision shall be taken by SEIAA in the light of Ext. P2 and P4 issued by MoEF, within one month from the date of receipt of the order. The SEIAA in its 47th meeting held on 7-1-2016, considered the directions. As the proponent himself has in his letter dated 13-7-2015, wanted the fresh application to be considered as the continuation of his earlier application to SEIAA necessarily the procedure therefore had to be followed. In compliance with the decision of the 45th meeting of SEAC held on 11/12-09-2015, the proponent submitted revised mining plan. Authority considered the position that there is a report on this quarry submitted by a technical committee constituted by the Government vide G.O (Rt) 152/12/Envvt dated 29-10-2012. It was decided to refer the matter to SEAC to report whether the above report would suffice as site inspection report and if not, to conduct site inspection, reports to be furnished in two weeks. It was also decided to file a petition in the High Court for extension of time for implementation of the order in R.P No. 1022/15 in W.P No. 27029/15. Meanwhile the proponent filed contempt of Court Case No. 123/2016 against the Member Secretary, SEIAA alleging non implementation of the order in the R.P. No. 1022/2015. As per the decision of

the Authority, petition for extension of time for implementation of the order in R.P. No.1022/2015 was filed on 3-2-2016. The government Counsel informed that when the petition came up before the High Court on 9-12-2016, the Hon. Court declined to give extension of time. It was advised to comply with the direction in R.P. No. 1022/13 urgently.

5. The specific order of High Court in the order dated 1-12-2015 in R.P. No.1022/2015 filed by the proponent is as follows:

‘The writ petitioner has come up with this review petition stating that in the light of the Environmental Impact Assessment Notification, 2006, he is entitled to have deemed Environmental Clearance. Petitioner refers to clause (8) of the Notification and submits that if no decision has been taken within 45 days of receipt of recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned, he is entitled for a deemed Environmental Clearance. Therefore, this Court is of the view that if the petitioner has fulfilled all the conditions in the recommendation, final decision shall be taken by the second respondent/the State Environmental Impact Assessment Authority, in the light of Exts.P2 and P4 issued by the Ministry of Environment, Forests and Climate Change. Needful shall be done within a period of one month from the date of receipt of a copy of this order’.

ExP2 is the extract of the minutes of the EAC of MoEF, held on 16/18-3-2015 and Ext P4 is copy of the letter dated 16-6-2015 of MoEF, forwarding the documents the proponent had submitted to MoEF for E.C. for the quarry. Order in the R.P requires the proponent to fulfil all the conditions in the recommendations of the EAC, before final decision is taken by SEIAA, based on the above two documents. Usually such conditions form specific conditions in the E.C, to be implemented during construction or operation. In the situation because of the order of the Hon. High Court in the Contempt Petition No. 123/2016 filed by the proponent the Authority had to consider the case afresh and it was accordingly examined in detail. Authority adopted the report of the technical committee, submitted to Govt. in January 2013, which contain specific conditions on mitigation of environmental impacts of this quarry as the site inspection report for decision on grant of E.C with such specific and general conditions as are deemed fit and necessary for the operation of the quarry

6. On the basis of the report of the technical committee and recommendations of the EAC of MoEF the Authority decided to grant E.C to the quarry with the following specific and the modified general conditions for mining projects:

Specific Conditions

1. The quarrying activities of Mankombu granites in mid slope can influence both upslope and down slope considering the topography and settings. Dislodging of loose

boulders and rock pieces from the upslope is a possibility and hence strict structural measures have to be ensured.

2. The quarrying operations should not affect the drainage channel on either side of the quarry face.
3. Left over debris should not reach the streams that are in close proximity to the quarry site as it is a drinking water source of the local inhabitants at the downstream.
4. Proper garland drains, slit traps, dust suppression measures noise reduction measures etc. will be mandatory so that human habitations are least affected.
5. As applied for and approved the lease area will be 3.9942 ha with production limit of 2, 40,000 MTA.
 - a. Land use within the lease area during mining will be as follows:
 - b. Pit 3.0842 ha
 - c. Green belt 0.24 ha
 - d. Road 0.01ha
 - e. Infrastructure 0.05 ha
 - f. Undisturbed 0.61
 - g. **Total 3.39942 ha**
6. The boundaries of the lease area shall be properly demarcated and the geographic location of the quarry delineated erecting pillar boundary of the lease area on permanent pillars with coordinates conspicuously exhibited at all times. Also the entire lease area shall be fenced off, before commencing operations as per this clearance and the fencing shall always be maintained in good condition.
7. There will be no underground mining activities. Life of mine is expected to be 6.5 years.
8. The bench height will be maintained at 5m and width 6m. Mining will be done from top to bottom by slicing 2.5 m thick. The ultimate depth of the mine working will be 551 m AMSL.
9. At the end of the life of the mine, excavated pit (3.0842ha) will be fully reclaimed and rehabilitated by plantation, leaving no voids.
10. The topsoil excavated (11977cu.m) from the quarry will be dumped separately at predetermined place and utilised for spreading over the reclaimed areas for plantation. OB will be utilised for laying internal haul roads and reclamation.
11. Mining, blasting, mine drainage; stacking of mineral rejects and disposal of wastes environmental management and progressive mine closure shall be strictly in accordance with the documents submitted to SEIAA.
12. Controlled blasting should be carried out in such a manner that PPV levels are maintained below 10mm/sec and ground vibration resulting from the blasts will not cause any damage to structures in the surroundings and there is no fly rock problem.
13. Muffling arrangement using steel wire mesh overlain by sand bags should be employed for blasting operation in the quarry.
14. Blast timings should be restricted to the times of least traffic as 11- 11.30 am and 2- 2.30pm

15. CSR activity must be conservation oriented in consultation with the Bio Diversity Management Committee of Moonnilavu Grama Panchayat.
16. At the end of mining, the total mined area should not exceed 3.0842 ha.
17. The quarry shall not function between 6.00 p. m. and 8.00 a. m. If the timing condition fixed by the PCB is more stringent that will prevail.
18. Blasting shall be strictly in accordance with the conditions of the Mine Safety Directorate and Chapter 5 of the Mining Plan submitted.
19. The above conditions shall be without prejudice to compliance of more stringent conditions as may be stipulated as per any other statutory requirements or government orders and in such situations the more stringent conditions will prevail.

7. Environmental clearance under the EIA notification 2006 is therefore granted to the quarry project in Sy. Nos. 46/1-2, 46/1-3, 46/1-1, 46/1 at Moonnilavu Village, Kottayam district, by M/s Mankombu Granites, Building No.4/194, Vellara, Moonnilavu. P.O, Kottayam, 686586 subject to the specific conditions in para 6, the general condition appended and the mitigation measures undertaken in the EMP in the PFR and Mining plan submitted.

8. Before granting consent to operate, the Kerala State Pollution Control Board shall ensure that the condition precedents to be complied with as in the specific and general conditions are fully complied with. The proponent shall submit notarized affidavit to the effect that the above specific conditions, the general conditions in the appendix and the conditions in para 18 below will be adhered to till the life of the mine as now estimated

9. 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), Chapter7 (stacking of mineral rejects and disposal of wastes) Chapter 11 (EMP) of the Mining Plan and the entire Progressive Mine Closure Plan as submitted will be deemed to be part of this proceedings as conditions as undertaken by the proponent, as if incorporated herein.

10. Validity of the environmental clearance will be five years form the date of this clearance, subject to earlier review in the event of violation or non- compliance of any of the conditions stipulated herein, or on genuine complaints from residents within the security area of the quarry.

11. Compliance report on the EMP and the continuing specific and general conditions shall be submitted to the Authority once in six months till the validity of the E.C. expires. Breach of this condition shall entail cancellation of the E.C.

12. Compliance of the conditions herein will be monitored by the Authority or its agencies at occasions as may be decided by the Authority, and also by the regional office of the Ministry of Environment & Forests, Govt. of India, Bangalore.

- i) As per G.O (P) 4/ 2013/ Env't. dated 13-5-2013 Government have entrusted the Biodiversity Management Committees (BMC) of the respective Grama Panchayats to oversee the environmentally deleterious activities including quarrying. Therefore the B.M.C of Moonnilavu Grama Panchayat is authorized to monitor adherence of the above conditions by the proponent and to report to the concerned authorities instances if any of violations or non- compliance.
- ii) 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.
- iii) Instances of violation if any shall be reported to the District Collector, Kottayam to take legal action under the Environment (Protection) Act 1986.
- iv) The given address for correspondence with the authorized signatory of the project is
M/s Mankombu Granites,
Chirappully House,
Nadackal . P.O,
Erattupetta,
Kottayam (Dist)
686586.
- v) Accredited consultant: Environmental Engineers & Consultants Pvt.Ltd.
A1-198, Janak Puri, New Delhi-110058.

Sd/-

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

To,

Sri. M.A. Nalinakshan Nair,
Managing Partner,
Mankombu Granites,
Vellara, Moonnilavu.P.O,
Kottayam- 686586,

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, Dept. of Environment and Climate Change, Govt. of Kerala, Tvm-24
4. Director, Mining & Geology, Thiruvananthapuram -4.
5. District Collector, Kottayam,

6. Secretary, Moonnilavu Grama Panchayat, Erattupetta, Kottayam.
7. Secretary, Biodiversity Management Committee, Moonilavu Grama Panchayat Office, Moonilavu, Kottayam.
8. District Geologist, Kottayam.
9. Chairman, SEIAA.
10. Website.
11. O/c
- ✓ 12. S/f



Forwarded/ By Order

Administrator
SEIAA

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA

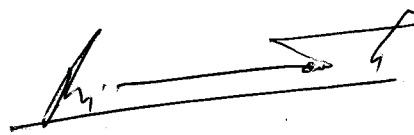
GENERAL CONDITIONS (for mining projects)

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