

**District Environment Impact Assessment Authority (DEIAA) Kasaragod**  
**Proceedings of the District Environment Impact Assessment Authority, Kasaragod.**  
**(Present:Biju.C)**

Sub: - DEIAA, Kasaragod – Environmental Clearance - for the Building stone quarry project of Sri. Sinoj Thomas, M/s. Chettikkattu Granites, Konnakkadu (P.O), Parappa (via), Kasaragod District in 2.3310 Hectares of land in R.S.No.193 of maloth village, Vellarikundu Taluk – EC Granted - orders issued.

**Environmental Clearance**

No.A/1199/18/DEIAA

dated: 25/04/2018

Ref:-

- 1.No. SO 141(E) dtd 15.01.16 of MOEF & CC.
2. Letter No. 4195/EC2/2015/SEIAA dated 06.01.2017 of SEIAA, Kerala.
3. Online application filed by Sri. Sinoj Thomas, M/s. Chettikkattu Granites, Konnakkadu (P.O),Parappa (via), Kasaragod Dist..
4. Minutes of DEAC meeting held on 16.03.2018.
5. Minutes of DEIAA meeting held on 20.03.2018.

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**Environmental Clearance No. 110/2018**

Sri.Sinoj Thomas, M/s. Chettikkattu Granites in Maloth village of Vellarikkundu Taluk has filed online application to the Member Secretary DEIAA for the Environmental Clearance for the building stone quarry project in 2.3310 Hectares of land in R.S.No.193 in maloth village of Vellarikkundu Taluk.

The application was forwarded to the District Expert Appraisal Committee (DEAC) for appraisal of proposal. DEAC conducted a site inspection on 22/02/2018 and a meeting held on 16.03.2018. The DEAC Committee recommend for issuance of Environmental Clearance for the Building Stone Quarry Project of Sri.Sinoj Thomas, M/s.Chettikkattu Granites in R.S.No. 193 in maloth village of Vellarikkundu Taluk.

DEIAA chaired by the District Collector was convened on 20.03.2018 to consider the proposal submitted by DEAC. The Member Secretary of DEAC (Geologist) presented the case in the DEIAA Committee. After discussion of the case with the expert member and other members, DEIAA decided to issue Environmental Clearance after getting site inspection report of District Forest Officer and expert member by imposing following specific conditions besides the general conditions enclosed.

1. Fencing should be provided all around the lease area.
2. Appropriate Sign boards should be displayed.
3. Air and sound pollution control measures as required shall be provided.
4. The blasting operations shall be done in a controlled manner and shall not carry any harm/damages to the life and property of adjacent land owners.
5. Control measures on noise and vibration should be implemented.
6. Bench cutting with height not more than 5 metre and width not less than 5 metre is to be insisted.
7. After quarrying the reclaimed area shall be planted with plant species using the fertile top soil proposed to be removed for quarrying.
8. A sedimentation tank shall be constructed near BP10 to collect the surface water. The desilting shall be done periodically.
9. The quarrying operation can be done only after proper marking of buffer zones of 7.5 m width in the existing quarry.
10. A retaining wall is to be constructed on the South-East part of lease area between BP6 to BP8 so as to prevent the flow of surface water towards the existing drain.

The Expert Member and District Forest Officer submitted favourable site inspection report to Member Secretary, DEIAA. They reported that the proposed site is about 500M away from the Govt. Forest land which is a semi evergreen patch and about 2 Km away from Talacauvery Wild life Sanctuary of Karnataka State. He is also reported that there are two nonpennial water streams on both sides of the site and the slope is comparatively high.

Because of the above reasons the following additional specific conditions are also imposing besides the general conditions.

1. As the Wild life sanctuary is situated near the proposed site, explosives should be used with minimum possible impacts.
2. The streams should be protected and should not be polluted.
3. Constant and vigilant monitory mechanism should be implemented by the Mining & Geology Department.

The proponent, Sri.Sinoj Thomas, M/s.Chettikkattu Granites in maloth village of Vellarikkundu Taluk, Kasaragod District has remitted the processing charge of Rs. 100000/- (Rupees One lakh only) as per Chalan No. KL000503483201718M, dated 18.04.2018 under the Head of Account No. "1425-00-501-99".

Under the circumstances stated above, Environmental Clearance is hereby issued to the proponent, Sri.Sinoj Thomas, M/s.Chettikkattu Granites in maloth village of Vellarikkundu Taluk, Kasaragod District for Granite building stone quarry project in 2.3310 Hectares of land in R.S.No. 193 of maloth village of Vellarikkundu Taluk. The proposed project is for quarrying of 83750 TPA of building stone and the life of mine is 12 years. The Geologist, Kasaragod should visit the site occasionally and ensure that there is no violation of conditions and non compliance if any shall be reported to the District Collector, Kasaragod. Violation of any of the general or specific conditions will entail cancellation of Environmental Clearance in addition to proceeding with legal action under the provisions of Environment (protection) Act 1986 and Notification No. SO. 637 (E) dated 28.02.2014 of the Ministry of Environment and Forest, Government of India.

*W.Som*  
Member Secretary (DEIAA) &  
Revenue Divisional Officer, Kasaragod.

To

Sri. Sinoj Thomas,  
M/s. Chettikkattu Granites,

Konnakkadu (P.O),

Parappa (via)

Kasaragod Dist.

**Copy to:**

1. SEIAA, Thiruvananthapuram.
2. To the Chairman, DEIAA & District Collector, Kasaragod.
3. The Chairperson, DEAC & Executive Engineer, Irrigation Division, Kasaragod.
4. The Tahsildar, Vellarikkundu for information.
5. Geologist, Kasaragod.
6. VO, Maloth.
7. SHO, Chittarikkal.
8. Divisional Forest Officer, Kasaragod (Member DEIAA)
9. Prof.V.Gopinathan, Retired Deputy Director of Collegiate Education, Sreeragam, Chinmaya Colony, H.No. 32, Vidyanagar P.O, Kasaragod (Expert member, DEIAA)
10. Secretary, Balal Grama Panchayath.

**DISTRICT ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KASARAGOD,  
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. Sprinklers shall be installed and used in the project site to contain dust emissions.
5. Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.
6. 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 F.C
7. Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented
8. The lease area shall be fenced off with barbed wires to a minimum height of 4 ft around, before starting of mining. All the boundary indicators (boards, stores, markings, etc.) shall be protected at all times and shall be conspicuous.
9. Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.
10. Control measures on noise and vibration prescribed by KSPCB should be implemented
11. Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.
12. Blasting should be done in a controlled manner as specified by the regulations of Explosives Department or any other concerned agency.
13. A licensed person should supervise/control the blasting operations.
14. Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan/specific conditions.
15. Height of benches should not exceed 6m and width should not be less than 5m if there is no mention in the mining plan/specific condition.
16. Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.
17. 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.
18. The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.
19. Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.
20. The transportation of minerals should be done in covered trucks to contain dust emissions.
21. The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
22. Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.
23. Explosives should be stored in magazines in isolated place specified and approved by the Explosives Department.
24. 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
25. 100 m buffer distance should be maintained from forest boundaries.

26. Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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 District Environment Impact Assessment Authority (DEIAA) office Kasaragod and may also be seen on the website of the Authority at [www.environmentclearance.nic.in](http://www.environmentclearance.nic.in) 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.
32. A copy of the clearance letter shall be sent by the proponent to concerned Gramapanchayat/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.
33. 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 State Environment Impact Assessment Authority (SEIAA) office and also to the District Environment Impact Assessment Authority (DEIAA) office.
34. 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.
35. 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.
36. No change in mining technology and scope of working should be made without prior approval of the DEIAA, No further expansion or modifications in the mine shall be carried out without prior approval of the DEIAA, as applicable.
37. 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.
38. 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.
39. 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

56. 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 DEIAA.
57. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

  
Member Secretary (DEIAA) &  
Revenue Divisional Officer, Kasaragod.