

1.  
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 Smt.Savithri Thamban, Managing Partner, M/s. Sree Siva Granites in Thayannur Village, Vellarikkund Taluk, Kasaragod District in 2.9727 Hectares of land in R.S.No.428/pt of Thayannur village, Vellarikundu Taluk – EC Granted - orders issued.

Environmental Clearance

No. 11578/17/A of DEIAA

dated: 08.03.2018

- 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 Smt.Savithri Thamban, Managing Partner, M/S. Sree Siva Granites, Koliyar, Attenganam (P.O), Anandhashram(via), Kasaragod District.
  4. Minutes of DEAC meeting held on 14.02.2018.
  5. Minutes of DEIAA meeting held on 17.02.2018.

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Environmental Clearance No. 47/2018

Smt.Savithri Thamban, Managing Partner, M/s. Sree Siva Granites, Koliyar, Attenganam (PO), Anandasram (via), Kasaragod (Dist) has filed online application to the Member Secretary DEIAA for the Environmental Clearance for the building stone quarry project in 2.9727 Hectares of land in R.S.No. 428/pt in Thayannur 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 09.01.2018 and a meeting held on 14.02.2018, the DEAC Committee recommend for issuance of Environmental Clearance for the Building Stone Quarry Project of Smt.Savithri Thamban, Managing Partner, M/S.SreeSiva Granites in R.S.No. 428/pt in Thayannur village of Vellarikkundu Taluk.

DEIAA chaired by the District Collector was convened on 17.02.2018 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 to the proponent by imposing following specific conditions besides the general conditions enclosed.

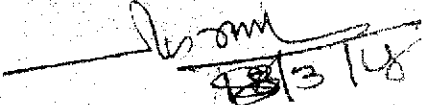
1. Fencing should be provided all around the lease area.
2. Appropriate Sign boards should be displayed.

3. Air and sound pollution control measures<sup>2</sup> as required shall be provided.
4. The blasting operations shall be done in a controlled manner and shall not carry 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 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 of size 25x15x3.0 metres shall be constructed below the quarry in the South- East of the lease area. The desilting shall be done periodically.
9. The quarrying operation can be done only after proper marking of buffer zones of 7 width in the existing quarry.
10. The depth of existing deep cut portion of rock shall be reduced by providing bench depth not more than 5m and width not less than 5m. Fencing shall be provided on the deep cut portion towards southern side, till the height is reduced with proper bench cutting so as to prevent any casualties during quarrying operations.

The Expert Member submitted favourable site inspection report to Member Secretary DEIAA. The proponent, Smt.Savithri Thamban, Managing Partner, M/s. Sree Siva Granites, Koliyar, Attenganam (PO), Anandasram (via), Kasaragod (Dist) has remitted the process charge of Rs. 100000/- (Rupees One lakh only) as per Chalan No. KL0110438542017 dated 22.02.2018 under the Head of Account No. "1425-00-501-99".

Under the circumstances stated above, Environmental Clearance is hereby issued to the proponent, Smt.Savithri Thamban, Managing Partner, M/s. Sree Siva Granites, Koliyar, Attenganam (PO), Anandasram (via), Kasaragod (Dist) for Granite building stone quarry project in 2.9727 Hectares of land in R.S.No. 428/pt of Thayannur village of Vellarikk Taluk. The proposed project is for quarrying of 152000 TPA of building stone and the life span of the mine is 12 years. The Geologist, Kasaragod should visit the site occasionally and ensure there is no violation of conditions and non compliance if any shall be reported to the Director.

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.

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

To  
Smt.Savithri Thamban,  
Managing Partner,  
M/s. SreeSiva Granites,  
Koliyar, Attenganam(P.O),  
Anandhashram(via),  
Kasaragod District.

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, Thayannur.
7. SHO, Ambalathara police station.
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, Kodom-Belur 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 tech involved or in any way affecting the environmental parameters/impacts as assessed, based on which the E.C is issued, the project would require a fresh appraisal by this Authority, for which the proj shall apply and get the approval of this Authority.
29. The Authority reserves the right to add additional safeguard measures subsequently, if found necessar to take action including revoking of the environment clearance under the provisions of the Enviro (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in bound and satisfactory manner.
30. The stipulations by Statutory Authorities under different Acts and Notifications should be complied including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Preventic control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance 1991 and EIA Notification, 2006.
31. The project proponent should advertise in at least two local newspapers widely circulated in the regio of which (both the advertisement and the newspaper) shall be in the vernacular language informing th project has been accorded Environmental Clearance and copies of clearance letters are available wi District Environment Impact Assessment Authority (DEIAA) office Kasaragod and may also be seen website of the Authority at [www.environmentclearance.nic.in](http://www.environmentclearance.nic.in) The advertisement should be made wit days from the date of receipt of the Clearance letter and a copy of the same signed in all pages sho forwarded to the office of this Authority as confirmation.
32. A copy of the clearance letter shall be sent by the proponent concerned Gramapanchayat/District Panchayat/Municipality/Corporation/Urban Local Body and also Local NGO, if any, from whom suggestions/representations, if any, were received while processi proposal. The Environmental Clearance shall also be put on the website of the company by the propo
33. The proponent shall submit half yearly reports on the status of compliance of the stipulated EC cont including results of monitored data (both in hard copies as well as by e-mail) and upload the sta compliance of the stipulated EC conditions, including results of monitored data on their website an update the same periodically. It shall simultaneously be sent to the respective State Environment I Assessment Authority (SEIAA) office and also to the District Environment Impact Assessment Au (DEIAA) office.
34. The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40 Sign with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the p
35. The proponent should provide notarized affidavit (indicating the number and date of Environ 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 DEIAA, No further expansion or modifications in the mine shall be carried out without prior appro the DEIAA, as applicable.
37. The Project proponent shall ensure that no natural water course and/or water resources shall be obs due to any mining operations. Necessary safeguard measures to protect the first order streams, 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 fro to time by the Central Pollution Control Board. Water sprinkling should be increased at places loadi 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 u land reclamation and plantation. The over burden (OB) generated during the mining operations s stacked at earmarked dump site only. The maximum height of the dumps shall not exceed 8m and

40. 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 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 de silted particularly after monsoon and maintained properly.
41. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM<sub>10</sub> and PM<sub>2.5</sub> such as haul Road, loading and unloading points and transfer points, it shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
42. 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.
43. Measures should be taken for control of noise levels below 85 dBA in the work environment
44. 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.
45. The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should not be diverted for other purposes. Year wise expenditure should be reported to the District Environment Impact Assessment Authority Kasaragod (DEIAA) office.
46. The Regional Office of SEIAA & 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.
47. 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.
48. 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
49. The SEIAA may revoke or suspend the order, for non implementation of any of the specific conditions or the implementation of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
50. 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.
51. This order is valid for a period of 5 years or the expiry date of quarrying lease period issued by the Government of Kerala, whichever is earlier.
52. 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.
53. The mining operation shall be restricted to above ground water table and it should not intersect ground water table.
54. All vehicles used for transportation and within the mines shall have 'PUC' certificate from authorized pollution testing centre. Washing of all vehicles shall be inside the lease area.
55. 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.
56. Regular monitoring of flow rates, and water quality upstream and downstream of the springs and perennial nullahs 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 under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

  
8/3/18

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