

Based on the presentation made by the proponent and the documents furnished. The SEAC instruct the project proponent to furnish the following details:

1. Vettangudi bird sanctuary is located in 9.20km from north of side of the lease area mentioned in the Form1, but during presentation no national park, wildlife sanctuary, Eco sensitive area within the radius of 10km. This needs to be clarified.
2. A detail study of the lithology of the mining lease area shall be furnished.
3. Details of village map, a register and FMB sketch shall be furnished.
4. Hydro geological studies shall be carried out to evaluate the impact of mining activities on the surrounding agricultural farms and habitations. A study report shall be submitted before placing the subject to SEIAA on the possible adverse impact and its mitigation measures on agriculture, vegetation, and economics of the people living nearby.
5. A detail study of the lithology of the mining lease area shall be furnished.
6. Details of village map, a register and FMB sketch shall be furnished.
7. Social economic impact in and around the project site shall be furnished.
8. Impact on the fugitive emission on the proposed operation of the Rough stone and Gravel quarry shall be furnished.
9. Detailed action plan proposed for mining closure shall be submitted.
10. CER proposal as per Office Memorandum of MoEF & CC dated 01.05.2018 shall be furnished with time frame.

On receipt of the above details, SEAC will decide the further course of action on the proposal.

**Agenda No.130-09:**

**(File No. 6806/2019)**

**Proposed Multicolour Granite Quarry over an extent of 2.63.5ha in S.F.Nos.772/1A1 of Thulaiyanur Village, Thirumayam Taluk, Pudukottai District, Tamil Nadu by Thiru. R. Rahuman, Pudukkottai – for Environment Clearance.**

**(SIA/TN/MIN/35813/2019) dated: 07.05.2019**

The proposal was placed in the 130<sup>th</sup> SEAC Meeting held on 11.06.2019. The project proponent gave detailed presentation. The salient features of the project

and the environmental impact assessment as presented by the proponent are as follows:

1. Government order/ Lease details:

The Quarry lease was applied in the name of Thiru. R. Rahuman, Pudukkottai, Precise Area Communication was issued by the Additional Chief Secretary to Government, Industries Department, Chennai, vide Lr. No. 7359/MME.2/2018-1, Dated: 29.06.2018 for a period of 20 years. It is a Fresh lease for Multi Colour Granite Quarry over an extent of 2.63.5ha in S.F.Nos. 772/1A1 of Thulaiyanur Village in Thirumayam Taluk, Pudukottai District.

2. Mining Plan/Scheme of Mining approval details:

The Mining plan was prepared for the period of 5 years. The Mining Plan was approved from the Director of Geology and Mining, Guindy, Chennai vide letter No. 1694/MM2/2018 Dated: 10.08.2018.

3. The production schedule for first five years states that the total quantity of Granite 40% recovery should not exceed 10,416m<sup>3</sup>.

For First Year - 2070m<sup>3</sup>

For Second year - 2070 m<sup>3</sup>

For Third year - 2070 m<sup>3</sup>

For Fourth year - 2046 m<sup>3</sup>

For Fifth year - 2160 m<sup>3</sup>

4. The total waste is about 21,135m<sup>3</sup>(Granite Waste 15,624m<sup>3</sup> and Weathered rock 5,511m<sup>3</sup>). The total Waste will be dump on the western side with dimension of 40m x 38m x 13.9m (H). Dumps will be properly terraced systematically by multilevel dumping.

5. Quarrying Operation will be done by Opencast Semi Mechanised method with Diamond Wire Saw cutting.

6. Granite is to be transported by tippers of 1 No. (20 T capacity).

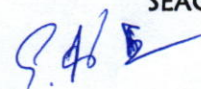
7. The Water table is found to be at the depth of 48m from general ground profile.

The SEAC noted the following:

1. The Proponent, Thiru. R. Rahuman has applied for Environmental Clearance to SEIAA-TN for the Proposed for Multicolour Granite quarry from over an Extent of 3.60.5 Ha in S.F.Nos 772/1A1 of Thulaiyanur Village in Thirumayam Taluk, Pudukottai District, Tamil Nadu.



CHAIRMAN  
SEAC-TN





2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
4. The Assistant Director, Dept of Geology and mining , Pudukkottai vide in his letter Rc.No.510/2017 (G&M) dated 02.05.2018 stated that , the details of quarry/mining lease located within 500 m radius from the proposed area are detailed as follows;

Existing rough stone quarry:

1. S.F.No. 848/1 patta land, Thulaiyanur village & Thirumayam Taluk over an extent of 0.91.5 Ha.
2. S.F.No. 848/2 Government land , Thulaiyanur village & Thirumayam Taluk over an extent of 0.37.5 Ha.

Expired rough stone quarry:

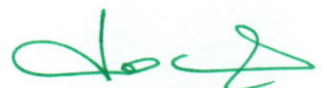
1. S.F.No. 848/2 Government land, Thulaiyanur village & Thirumayam Taluk over an extent of 1.09.5 Ha.

Total Extent of mining area including this quarry along with the above said quarry (4.89.5 Ha) is less than 5 Ha.

The proposal was placed in the 130<sup>th</sup> SEAC meeting held on 10.06.2019. After perusal of the details furnished by the project proponent. The SEAC decided to recommend the proposal for grant of Environment Clearances to SEIAA subject to normal condition in addition to following conditions:

1. The proponent proposes to adopt blasting in the mining operation. In view of close proximity to the habitation, agricultural lands and reserved forests, the proponent shall carry out controlled blasting operation in the mine. Here the proponent shall undertake a scientific study involving reputed institutions such as Anna University, IIT, NIT, ISEE etc., to design the controlled blasting technique to reduce the vibration and eliminate the fly rock production from the mine.
2. Occupational Health & Safety: The proponent should take all measures to protect the safety and health of the people likely to work in the mining project.
3. The waste generated should be dumped in the area allocated (within Lease area) for dumping purpose ensuring its stability of slope.

4. The proponent shall appoint the statutory personnel in the mines as per the provisions of Mines Act, 1952 and MMR, 1961.
5. Ground water quality monitoring should be conducted every month and the report should be submitted to TNPCB.
6. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
7. The Project Proponent shall comply the mining and other relevant rules and regulations where ever applicable.
8. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
9. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
10. The entire mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
13. Detailed action plan proposed for mining closure shall be submitted before placing the subject to SEIAA.
14. CER activities should be carried out for Rs. 4.17 lakhs for providing Solar lamp facilities to the thulaiyanur village haul roads & RO water facilities to the Thulaiyanur Govt. School as committed by the proponent as per Office Memorandum of MoEF & CC dated 01.05.2018.



CHAIRMAN  
SEAC-TN

