

1. The Proponent, Tmt. S. Bhuvaneswary has applied for Environmental Clearance to SEIAA-TN for the Proposed for Grey Granite quarry from over an Extent of 1.86.0ha in S.F.No: 274/2, 274/7, 274/1D, 275/1D & 275/1C at Manjapettai Village, Gandharvakkottai Taluk, Pudukkottai District, Tamil Nadu.
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.
3. The Mining Plan approval from the Assistant Director, Department of Geology and Mining, Pudukkottai District vide Rc. No. 377/2018 (G&M) dated 03.01.2019. depth 3m below ground level

The SEAC decided that the mining plan shall be revised to a maximum depth of 2 m below general ground level at the site and the same shall be approved by the Geology of mining departments. After submitting the above details the SEAC will take further course of action.

**Table Agenda No.130-01:**  
**(File No. 6847/2019)**

Proposed Rough stone & Gravel Quarry over an Extent of 10.90.35 ha in S.F.No: 1/1A, 1/1B(P), 1/2, 1/3, 1/4, 1/5B, 1/6A of Pavor Village & 412/1A, 412/1B, 412/2A, 412/2B, 412/2C, 412/2D, 412/E, 412/2F, 415/1A, 415/1B, 415/1C, 415/1D, 415/1F, 415/1G, 415/2E, 415/2F, 415/2G, 415/2H, 415/2I, 415/2J, 415/2K, 416/1, 416/2, 416/3, 416/5, 416/6, 416/7, 416/8, 416/9, 416/10, 416/11, 46/12, 416/13 of Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Rajiraj Minerals Pvt. Ltd – for Terms of Reference.

(SIA/TN/MIN/37472/2019) dated: 07.06.2019

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 M/s. Rajiraj Minerals Pvt. Ltd, Tiruvannamalai District, Precise Area Communication letter was issued by

the District Collector, Tiruvannamalai District vide Rc.No.182/Kanimam/2018 dated: 20.05.2019 for a period of 5 years. It is a Fresh lease for Gravel Quarry over an Extent of 10.90.35ha in S.F.No: 1/1A, 1/1B(P), 1/2, 1/3, 1/4, 1/5B, 1/6A of Pavoor Village & 412/1A, 412/1B, 412/2A, 412/2B, 412/2C, 412/2D, 412/E, 412/2F, 415/1A, 415/1B, 415/1C, 415/1D, 415/1F, 415/1G, 415/2E, 415/2F, 415/2G, 415/2H, 415/2I, 415/2J, 415/2K, 416/1, 416/2, 416/3, 416/5, 416/6, 416/7, 416/8, 416/9, 416/10, 416/11, 416/12, 416/13 of Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai District.

2. Mining Plan/Scheme of Mining approval details:

Mining plan was prepared for the period of 5 years. The Mining Plan was got approval from the Assistant Director, Department of Geology and Mining, Tiruvannamalai District vide Rc.No.182/Kanimam/2018 dated: 24.05.2019.

3. As per the Department of Geology and Mining, Tiruvannamalai District. Mining plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Roughstone should not exceed 4122050m<sup>3</sup> & upto 361396m<sup>3</sup> of Gravel.

For First year - 813440m<sup>3</sup> of Rough stone & 361396m<sup>3</sup> of Gravel

For Second year - 828500m<sup>3</sup> of Rough stone

For Third year - 826070m<sup>3</sup> of Rough stone

For fourth year - 826210m<sup>3</sup> of Rough stone

For fifth year - 827830m<sup>3</sup> of Rough stone

4. The quarry operation is proposed to carry out with open cast semi mechanised mining with 5.0 m vertical bench width.
5. The quarry operation is proposed upto a depth of 74 m below ground level.
6. The project site is located at 12°42'52"N to 12°43'08"N latitude and 79°41'53"E to 79°42'08"E longitude.
7. The total water requirement will be around 3.5 KLD for drinking, domestic usage dust suppression sprinkling and Green belt development.
8. The total manpower requirement is 55 Nos.
9. Total cost of the project is Rs. 1,59,91,400/- and EMP cost about Rs. 8,30,000/-

  
CHAIRMAN  
SEAC-TN  




The SEAC noted the following:

1. The Proponent, M/s. Rajiraj Minerals Pvt. Ltd, has applied for Terms of Reference to SEIAA-TN for the Proposed for Rough stone & Gravel quarry from over an Extent 10.90.35ha in S.F.No: 1/1A, 1/1B(P), 1/2, 1/3, 1/4, 1/5B, 1/6A of Pavor Village & 412/1A, 412/1B, 412/2A, 412/2B, 412/2C, 412/2D, 412/E, 412/2F, 415/1A, 415/1B, 415/1C, 415/1D, 415/1F, 415/1G, 415/2E, 415/2F, 415/2G, 415/2H, 415/2I, 415/2J, 415/2K, 416/1, 416/2, 416/3, 416/5, 416/6, 416/7, 416/8, 416/9, 416/10, 416/11, 46/12, 416/13 of Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of Terms of Reference (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:

1. The project proponent has applied Terms of Reference for S.F.No: 1/1A, 1/1B(P), 1/2, 1/3, 1/4, 1/5B, 1/6A of Pavor Village & 412/1A, 412/1B, 412/2A, 412/2B, 412/2C, 412/2D, 412/E, 412/2F, 415/1A, 415/1B, 415/1C, 415/1D, 415/1F, 415/1G, 415/2E, 415/2F, 415/2G, 415/2H, 415/2I, 415/2J, 415/2K, 416/1, 416/2, 416/3, 416/5, 416/6, 416/7, 416/8, 416/9, 416/10, 416/11, 46/12, 416/13 of Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu. But, during presentation , the project proponent has presented for S.F.No: 1/1A, 1/1B(P), 1/2, 1/3, 1/4, 1/5B, 1/6A of Pavor Village & 412/1A, 412/1B, 412/2B, 412/2C, 412/2D, 412/E, 412/2F, 415/1A, 415/1B, , 415/1D, 415/1F, 415/1G, 415/2E, 415/2F, 415/2G, 415/2H, 415/2I, 415/2J, 415/2K, 416/1, 416/2, 416/3, 416/5, 416/6, 416/7, 416/8, 416/9, 416/10, 416/11, 46/12, 416/13 of Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu. Missing the two S.F.No. Namely 412/2A& 415/1C request to clarify before placing the subject to SEIAA.


2. The proponent proposes to adopt blasting in the mining operation. In view of close proximity to the habitation and agricultural lands, 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.

3. A detail study of the lithology of the mining lease area shall be furnished.
4. Details of village map, a register and FMB sketch shall be furnished.
5. The proposal for green belt activities shall be furnished.
6. The Socio economic studies should be carried out within 10km buffer zone from the mines.
7. Detailed mining closure plan for the proposed project approved by the Geology of Mining department shall be submitted along with EIA report.
21. The spot level and contour level of the proposed quarry site shall be studied and the same shall be furnished to along with EIA.
22. A detailed report on the safety and health aspects of the workers and for the surrounding habitants during operation of mining for drilling and blasting shall be submitted.
23. CER activities should be carried out taking in to consideration the requirement of the local habitants available within the buffer zone as per Office Memorandum of MoEF & CC dated 01.05.2018.
24. Obtain a letter /certificate from the Assistant Director of Geology and Mining standing that there is no other Minerals/resources like sand in the quarrying area within the approved depth of mining and below depth of mining and the same shall be furnished in the EIA report.
25. Ground water quality monitoring should be conducted for every month and the report shall furnish in the EIA report.
26. EIA report should strictly follow the EIA mining manual.
27. Detail plan on rehabilitation and reclamation carried out for the stabilization and restoration of the mined areas.
28. The EIA study report shall include the surrounding mining activity, if any.
29. Modelling study for Air, Water and noise shall be carried out and incremental increase in the above study shall be substantiated with mitigation measures.
30. A study on the geological resources available shall be carried out and reported.
31. A specific study on agriculture & livelihood shall be carried out and reported.
32. Impact on ponds, rivers and other water bodies to be elaborated.
33. Impact of soil erosion, soil physical chemical and biological property changes may be assumed.



34. The recommendation for the issue of Terms of Reference is subject to the final 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).

S.No	Name	Designation	Signature
1	Dr. S. Mohan	Chairman	
2	Thiru D. Sekar	Member Secretary	
3	Dr. S. Kanmani	Member	
4	Dr. Velu Gomathi	Member	
5	Dr. L. Subbaraj	Member	
6	Thiru.V.Shanmugam	Member	
7	Dr. R.Siva coumar	Member	
8	Shri B. Sugirtharaj Koilpillai	Member	
9	Dr. L. Elango	Member	
10	Dr. R. Ilangovan	Member	
11	Dr. S. Sankar	Member	
12	Thiru. T. Murugu Subramonian	Member	