

## STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 298<sup>th</sup> Meeting of the State Expert Appraisal Committee (SEAC) held on 22 July 2022 (Friday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 298-01

(File No: 8429/2021)

Proposed Red Earth quarry lease area over an extent of 1.63.0 Ha at S.F.Nos.24/1 of Thalakanikuppam Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru. C. Vinoth- For Environmental Clearance.(SIA/TN/MIN/201755/2021, dated: 04.03.2021).

The proposal was placed in this 261<sup>st</sup> SEAC Meeting held on 07.04.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions. Acting on the said Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

  
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Hence, the SEAC directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

The project proponent has furnished reply vide Lr. dt: 02.06.2022 received on 06.06.2022. The proposal was placed for appraisal in 298<sup>th</sup> meeting of SEAC held on 22.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to call for following additional particulars

1. AD/DD (Mines & Geology) comments on the soil test report Dt: 13.10.2021 obtained from Division of Soil Mechanics and Foundation Engineering, Department of Civil Engineering, College of engineering, Guindy Campus, Anna university, Chennai in compliance to order of Madurai Bench of Hon'ble Madras high court Dt: 12.02.2021 in case No. 20903/2021 & status on the proposed mine lease area whether it is 'notified' and declared as 'protected zones' for carrying out any quarry operation.
2. AD Mines & Geology shall also report on the sand composition in the proposed site and whether it is permissible under the Sand mining Rules.
3. To furnish NBWL clearance, since proposed mine lease area falls within 10km radius of the Kazhuveli Bird sanctuary.

**Agenda No: 298-02**

**(File No: 8975/2022)**

**Proposed Earth quarry lease over an extent of 2.49.5 Ha at S.F.NO. 49/3 (P) of Thoppampatty Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. R.Ramar- For Environmental Clearance. (SIA/TN/MIN/ 254512/2022 Dt. 02.02.2022)**

  
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The proposal was placed in 252<sup>nd</sup> SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions. Acting on the said Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

Hence, the SEAC directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

  
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The project proponent has furnished reply vide Lr. dt: 15.06.2022 received on 17.06.2022. The proposal was placed for appraisal in 298th meeting of SEAC held on 22.07.2022. It was noted that project proponent has submitted their request for withdrawal of the proposal on 17.07.2021 stating the following:

"I would like to withdraw the SIA/TN/MIN/254512/2022, dated 02.02.2022 proposal which was submitted to SEIAA. The File No. 8975 is an oversight application of the file which is already exist to previous File No. 7886 in the portal. I request once again to kindly consider this letter for withdrawal of above said proposals"

Therefore SEAC decided to remit back the proposal to SEIAA for taking further course of action.

**Agenda No: 298 -03**

**(File No: 9003/2021)**

**Proposed Gravel quarry lease over an extent of 2.56.0 Ha at S.F.Nos. 132/1, 132/3, 133/3A, 133/3B, 133/3C & 133/4, D.Mampatti Village, Singampunari Taluk, Sivagangai District, Tamil Nadu by Thiru. H.Ghouse Mohideen - For Environmental clearance.  
(SIA/TN/MIN/ 211234/2021 dated 04.05.2021)**

The proposal was placed for appraisal in this 280<sup>th</sup> meeting of SEAC held on 02.06.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. H.Ghouse Mohideen has applied seeking Environmental Clearance for the Proposed Gravel quarry lease over an extent of 2.56.0Ha at S.F.Nos. 132/1, 132/3, 133/3A, 133/3B, 133/3C & 133/4, D.Mampatti Village, Singampunari Taluk, Sivagangai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the Project Proponent.

- (i) The project proponent shall furnish soil test report from NIT, Trichy.

  
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The proposal was placed for appraisal in 298<sup>th</sup> meeting of SEAC held on 22.07.2022. It was noted that project proponent was absent for the appraisal. Therefore SEAC decided to defer the proposal & call for the explanation for not attending the meeting.

**Agenda No: 298-04**

**(File No: 7667/2020)**

**Proposed Rough stone quarry lease area over an extent of 1.00.0Ha at S.F.No. 1/4 (Part-30) Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by Thiru M. M. Aravindraj - For Environmental Clearance. (SIA/TN/MIN/53566/2020 Dt. 02.06.2020)**

The proposal was placed for appraisal in this 264<sup>th</sup> meeting of SEAC held on 19.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.

Sl. No.	Details of the proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru.M.M.Aravindaraj No.167, Azhagiri Nagar Majestic Colony Valasaravakkam Tiruvallur District
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone quarry
3.	S.F No. of the quarry site with area break-up	1/4 (Part-30)
4.	Village in which situated	Anandalai
5.	Taluk in which situated	Walajah
6.	District in which situated	Vellore
7.	Extent of Quarry (in ha.)	1.00.0Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	8,17,700m <sup>3</sup> of rough stone
11.	Latitude & Longitude of all corners	12°56'25.18"N to 12°56'29.40"N

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	of the quarry site	79°23'43.13"E to 79°23'46.03"E
12.	Topo sheet No.	57 - P/05
13.	Man power requirement per day:	33 Employees
14.	Precise Area Communication approved by the District Collector Vellor District with date	Rc.No:329/2019(mines), dated : 26.11.2019
15.	Mining plan approved by the Assistant, Department of Geology and Mining with date	Rc.No:329/2019(mines), dated : 27.05.2020
16.	500mts letter approved by the Assistant Director(i/c), Department of Geology and Mining with date	Rc.No:329/2019(mines), dated : 27.05.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	3.5 KLD  0.1 KLD 1.5 KLD 1.0 LD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 655820 Liters of HSD
19.	Depth of Mining	101m (98m AGL and 8m BGL)
20.	Depth of Water table	69-64 m depth below the ground level
21.	Whether any habitation within 300m distance	No
22.	Project cost (including EMP cost)	207.77 Lakhs
23.	EMP cost	3.80 Lakhs
24.	CER cost	5.80 lakhs
25.	VAO letter dated	26.05.2021
26.	TOR Issed	Lr.No. SEIAA-TN/F.No.7667/SEAC/TOR - 788/2020, DATED: 06.10.2020
27.	Public hearing	21.10.2021

Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent

  
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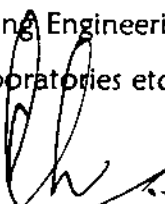
1. The project proponent shall furnish a letter from DFO indicating the exact distance of the **Bahavalli RF** located from the project site.

Now the project proponent has furnished the copy of the DFO letter dated 26.05.2022, wherein it is stated that the proposed quarry site is located at an aerial distance of 1.58km from the Bagaveli Reserve Forest.

Hence the proposal was placed for appraisal in this 298<sup>th</sup> meeting of SEAC held on 22.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
4. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the working touches 40 m (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A

  
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- copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
  6. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
  7. As accepted by the Project proponent the CER cost is Rs. 5.8 lakhs and the amount shall be spent for the Panchayat Union School, Musiri as committed before obtaining CTO from TNPCB.

**Agenda No: 298-05**

**(File No: 8402/2021)**

**Proposed Grey Granite Quarry over an extent of 1.94.5 Ha in SF.No. 78/1A,79/1B, Kadappasandampatti Village, Pochampalli Taluk, Krishnagiri District by Thiru.N.Syed Ajmal- For Environmental Clearance . (SIA/TN/MIN/201052/2021 Dt. 3.2.2021)**

The proposal was placed in the 253<sup>rd</sup> SEAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru.N.Syed Ajmal S/o.Syed Noorullah Hussainy HIG-43A,Phase-II TNHB,Kattiganapalli Krishnagiri Taluk

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		Krishnagiri District-635001
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Grey Granite Quarry
3.	S.F No. of the quarry site with area break-up	78/1A,79/1B
4.	Village in which situated	Kadappasandampatti
5.	Taluk in which situated	Pochampalli
6.	District in which situated	Krishnagiri
7.	Extent of Quarry (in ha.)	1.94.5 Ha
8.	Mining Plan (Production) Period	First Five years
9.	Lease period of the Quarry	20 years
10.	Type of Mining	Opencast Mechanized Mining
11.	Total Production (Quantity in m <sup>3</sup> )	Total excavation quantity for 5 years not to exceed 49672 m <sup>3</sup> which includes the ROM quantity of 28100 m <sup>3</sup> possessing the recoverable Grey granite quantity of 10185 m <sup>3</sup> & Granite waste of 18915 m <sup>3</sup> ; Top soil of 10642 m <sup>3</sup> and Weathered Rock of 10020 m <sup>3</sup> .
12.	Annual Peak Total Excavation Quantity	The Annual peak total excavation as per mining plan is 22968 m <sup>3</sup> and the Annual peak ROM & recoverable quantity of Grey Granite is 6500 m <sup>3</sup> & 2275 m <sup>3</sup> respectively with maintaining an ultimate depth of 25m BGL.
13.	Latitude & Longitude of all corners of the quarry site	12°23'53.32"N to 12°24'00.06"N 78°21'11.19"E to 78°21'15.69"E
14.	Topo sheet No.	57 - L/07
15.	Man power requirement per day:	40 Employees
16.	Precise Area Communication approved by the Additional Chief Secretary to Govt. District with date	Govt. letter .no 10146 /MM.2/2020-1, dated :04.01.2021
17.	Mining plan approved by the Commissioner of Geology and Mining with date	Rc.No. 4449/MM4/2020 , dated: 09.02.2021
18.	500mts letter approved by the	Rc.No. 647//2019/mines, dated:

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	Assistant Director, Additional charge, Dept of Geology and Mining , Collectoraee with date	14.02.2021
19.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	4.8 KLD 1.0 KLD 2.0KLD 1.8 KLD
20.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 45,248 liters of HSD for mining plan period
21.	Depth of Mining	25m (1 m Top soil + 1 m Weathered Rock + 23 m Grey Granite)
22.	Depth of Water table	64 m in summer & 59 m in Rainy season
23.	Whether any habitation within 300m distance	No
24.	Project cost (including EMP cost)	Rs.230.09 Lakhs
25.	EMP cost	Rs.3.80 lakhs
26.	CER cost	Rs. 5.5 lakhs
27.	VAO Letter	enclosed

Based on the presentation made by the proponent and the documents furnished, SEAC decided to call for the following details from the project proponent, as houses/habitation are located very near to the site as seen from the Google map.

1. The proponent shall furnish drone video graph indicating the present status of the quarrying site.
2. Details of impact on houses/habitation in the vicinity & village roads by quarrying operation and transporting the quarried material.


Now the project proponent has furnished the Drone Video graph and the detailed report about Impact on house/habitation in the vicinity and village roads by quarrying operation and transporting the quarried material vide letter dated: 23.05.2022 in addition to the following.

  
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- The production targets are conservative and follow the statutory rules and regulations issued by the Govt to quarry the Grey Coloured Granite at this location and sold to international and domestic markets.
- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden/side burden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be used for constructing the safety berms, bunds for developing the green belt during the life of 20 years and the remaining waste at the end of life will be used for backfilling purposes into the mined-out area of the quarry during the final closure plan.
- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as stipulated by the SEAC, as a part of progressive mine closure plan & rehabilitation plan approved by the competent authority under the provisions of the Granite Conservation & Development Rules, 1999.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.
- It is submitted that the environmental impact is directly linked to the total excavation quantity which includes the RoM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- In some period, the situation arises where the recovery falls down to even very low value as 2 to 3% of RoM which neither provides an economically viable operation in the interest of revenue generation for company as well as the State Government and also it is not conducive to protect the environment in a sustainable manner.
- Mining recoverable reserves may vary subject to the quality of Granite mining methodology and the existing Geological features such as structural, textural

  
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formations and very significantly, the current market demand for the Granite being mined.

- Further, it is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.
- The total of quantity of granite waste produced during the life of the quarry period will be utilised / dumped as per the conditions stipulated in the approved Mining Plan. Here, in case of utilization of granite waste for further beneficial purposes as per market trend (or) the Govt directions, the company shall get a revised / modified Mining Plan along with Mine Closure Plan from the competent authority.
- The PP have informed that any one of the following five scenarios that will be focused on the reclamation planning of the proposed quarry, which are:
  - To use mined land as agricultural purpose as the stored water will be utilised for cultivation;
  - To reshape the quarry and design an residential area;
  - To use the area as a place for educational purposes;
  - To revegetate the mined land with appropriate species for foresting and
  - Using the area as a promenade site/eco park for tourists.

These criteria have been determined according to mine site properties studied earlier through EIA/EMP such as micro and macro climate conditions, hydrology and hydrogeology, chemical and physical properties of soil, geological and geotechnical parameters and etc.

- The PP had indicated that the final mine closure plan includes the action plan for protection of the quarry once it is completed its life (or) abandoned by installing necessary safety provisions such as fencing, etc.

The PP have informed that the granite waste blocks produced from the quarry (non-saleable granite) will be transported taking adequate environmental mitigation measures similar to the recovered Granite blocks as stipulated in EMP, in case of processing plant is situated outside the leasehold area.

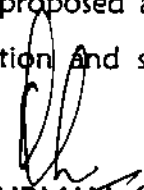
  
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Hence the proposal was placed for appraisal in this 298<sup>th</sup> meeting of SEAC held on 22.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the Annual Peak Production Capacity of 22968 m<sup>3</sup> of total excavation which includes 6500 m<sup>3</sup> ROM and 2275 m<sup>3</sup> of recoverable Grey Granite (2<sup>nd</sup> year), subject to the normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:**

1. **The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.**
2. The PP shall extract the dimensional stone blocks through non-explosive techniques such that the surrounding structures are not impacted.
3. The PP shall install the surface drains (Gallery drainage) around the boundary of the proposed quarry and all visible (or) identified tension cracks should be filled up to restrict the rain water entry through the slopes during the operational stage.
4. The PP shall conduct a Slope Stability study after a period of two years from the commencement of quarrying operation through any reputed scientific institution such as NIRM, IITs, NITs, Anna University Chennai – CEG Campus, to study the efficacy of the implementation of the recommendations as suggested by the NIRM for the safe quarrying operation.
5. The project proponent shall submit EC compliance report to TNPCB for earlier quarrying operations before obtaining CTO.
6. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
7. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall

  
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furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

8. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
9. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
10. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. For this, the PP shall also confirm the ground selected for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals is proved for absence or presence of underlying mineral deposits before it is brought into use for dumping. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.

  
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11. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
12. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
13. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
14. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
15. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
16. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

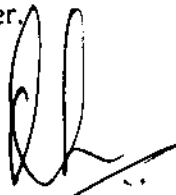
  
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17. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry as assured in the Environmental Management Plan & the approved Mine Closure Plan.
18. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
19. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
20. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
21. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
22. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
23. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per.

  
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24. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
25. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
26. 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 informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
27. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
28. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
29. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
30. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made

  
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there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.

31. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
32. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
33. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP of Lakhs as committed.
34. As accepted by the Project Proponent the revised CER cost is Rs. 5.5 lakhs and the amount shall be spent for Panchayat Union Primary School, Moongampatti village before obtaining CTO from TNPCB.

**Agenda No: 298-06**

**(File No: 8444/2021)**

**Proposed construction of hospital buildings for the establishment of Government Hospital at S.F.No. 18/1 in Tiruppur Town, 707/B1, Nallur Village, Tiruppur South Taluk, Tiruppur District, Tamil Nadu by M/s. Government Medical College and Hospital - For Environmental clearance.(SIA/TN/MIS/224766/2021, dated: 14.08.2021)**

The proposal was placed in this 218<sup>th</sup> meeting of SEAC held on 09.07.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Proponent, M/s. Government Medical College & Hospital has applied seeking Environmental Clearance for the proposed construction of additional buildings for

  
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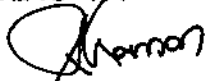
the development at S.F.No. T.S. No. 18/1 in Tiruppur Town & S.F. No. 707/B1 in Nallur Village, Tiruppur South Taluk, Tiruppur District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of item 8(a) "Building and Construction projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made and documents furnished by the Project proponent, SEAC decided to defer the application based on the following shortcomings observed during the presentation.

1. The proponent shall apply for revised built-up area for the hospital component along with its operation theatre, Laboratories, and hostel/quarters for nurses alone excluding college, student hostel, other staff quarters etc as per O.M MoEF&CC O.M Dt: 09.06.2015.
2. The proponent did not provide the details of the laboratories, Operation theatre, and the possible quantity of effluent generation etc.
3. The proponent has not furnished permission obtained from competent authority for utilization of UGD line for disposal of excess treated sewage.
4. The proponent shall explore possibilities for utilization of excess treated sewage for reuse/recycle/avenue plantation.
5. The proponent has not provided the minimum required area of green belt of the project area. Hence, the proponent shall revise layout of proposed project site with green belt area 15% all along the periphery excluding OSR area of 10% of the total area of the proposed project.
6. The proponent has not conducted noise level survey considering site conditions including vehicular movement along with the noise mitigation measure to be carried out.
7. The proponent has not furnished details of acoustic measures for the proposed hospital building.
8. The proponent has not furnished occupational health safety measures for the proposed project activity.
9. The proponent shall revise proposed project considering safety distance from the

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High tension line passing through the proposed project site, if applicable?

10. The proponent has not furnished any baseline data for the environmental parameters with regard to surface water/ground water quality, air quality, soil quality including traffic study to assess the impact of the proposed project on the environment and in order to propose Environment management plan activities with implementation and cost estimation details, accordingly.
11. The storm water management plan & rain water harvesting plan considering the highest rainfall data from the competent authority
12. The proponent has not furnished car parking details. Hence, the proponent shall furnish details and earmarked area for car parking in the layout plan.
13. The proponent has not furnished details of solar energy utilization within the premise.
14. The proponent has not furnished the details of the stage of construction undertaken if any.

Now, this proposal was placed in this 298<sup>th</sup> SEAC meeting held on 22.07.2022. The PP has made the representation along with details sought by SEAC. Based on the presentation and documents furnished by the project proponent, SEAC noted that the construction of hospital complex is nearing completion. Hence the Committee decided that the present case will come under violation and therefore, the PP shall apply for ToR under violation category.

**Agenda No: 298-07**

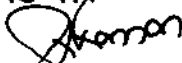
**(File No: 8563/2021)**

**Proposed Black Granite quarry lease area over an extent of 2.00.0 Ha at SF.No. 383/1(Part-2), Polayamballi Village, Harur Taluk, Dharmapuri District, Tamil Nadu by Thiru Arunkumar M- For Environmental Clearance. (SIA/TN/MIN/215010/2021 Dt.12.6.2021)**

The proposal was placed for appraisal in this 263<sup>rd</sup> meeting of SEAC held on 9.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

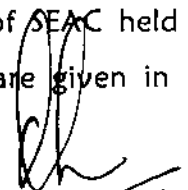
The SEAC noted the following:

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1. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.

Details of the proposal		
1.	Name of the Owner / Firm	Thiru.M.Arunkumar No.35/41A, EB Colony Bharathipuram Dharmapuri-636705
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Black Granite quarry
3.	S.F No. of the quarry site with area break-up	S. F. Nos. 383/1(P) BIT-3
4.	Village in which situated	Polayamballi
5.	Taluk in which situated	Harur
6.	District in which situated	Dharmapuri
7.	Extent of Quarry (in ha.)	2.00.0 Ha(Govt poramboke land )
8.	Mining Plan (Production) Period	First Five years
9.	Lease period of the Quarry	20 years
10.	Type of Mining	Opencast Mechanized Mining
11.	Total Production (Quantity in m <sup>3</sup> )	25375m <sup>3</sup> of ROM which includes 1776m <sup>3</sup> of recoverable Black Granite; 49955m <sup>3</sup> of Side Burden; 17220m <sup>3</sup> of Weathered Rock cum Top soil.
12.	Latitude & Longitude of all corners of the quarry site	12°07'50.13"N to 12°07'56.27"N 78°21'7.28"E to 78°21'15.18"E
13.	Topo sheet No.	57 - L/08
14.	Man power requirement per day:	27 Employees
15.	Precise Area Communication approved by the Industry (MM-2) Department , Secretariat, Chennai , with date	Letter no.373/MME.2/2021-1, Dated: 23.02.2021
16.	Mining plan approved by the Commissioner , Commissionerate of Geology and Mining with date	Rc.No. 6172/MM4/2020, dated : 21.05.2021
17.	500mts letter approved by the Deputy Director, Department of Geology and Mining with date	Roc.No. 179/2020(mines) , dated: 08.06.2021

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18.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	4.4 KLD 1.4 KLD 1.5 KLD 1.5 KLD
19.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 40600 Liters of HSD
20.	Depth of Mining	20m AGL
21.	Depth of Water table	65m in summer & 60m in Rainy season
22.	Whether any habitation within 300m distance	No
23.	Project cost (including EMP cost)	159.45 Lakhs
24.	EMP cost	3.20 Lakhs
25.	CER cost	7 lakhs
26.	VAO letter dated	08.06.2021

Based on the presentation and document furnished by the project proponent, SEAC decided called for the following details from the PP.

1. The project proponent shall furnish a letter from DFO stating that the details of Nearest RF & its distance located with respect to the project site.

Now the project proponent has furnished the copy of the DFO letter dated 13.05.2022, wherein it is stated that the proposed quarry site is located at an aerial distance of 1.522km from the Keragondahalli Reserve Forest. In addition, PP has stated the following.

- The production targets are conservative and follow the statutory rules and regulations issued by the Govt to quarry the Black Granite at this location and sold to international and domestic markets.
- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden/side burden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be used for constructing the safety berms, bunds for developing the green belt during the life of 20 years and

  
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the remaining waste at the end of life will be used for backfilling purposes into the mined-out area of the quarry during the final closure plan.

- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as stipulated by the SEAC, as a part of progressive mine closure plan & rehabilitation plan approved by the competent authority under the provisions of the Granite Conservation & Development Rules, 1999.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.
- It is submitted that the environmental impact is directly linked to the total excavation quantity which includes the RoM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- In some period, the situation arises where the recovery falls down to even very low value as 2 to 3% of RoM which neither provides an economically viable operation in the interest of revenue generation for company as well as the State Government and also it is not conducive to protect the environment in a sustainable manner.
- Mining recoverable reserves may vary subject to the quality of Granite mining methodology and the existing Geological features such as structural, textural formations and very significantly, the current market demand for the Granite being mined.
- Further, it is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.
- The total of quantity of granite waste produced during the life of the quarry period will be utilised / dumped as per the conditions stipulated in the approved Mining Plan. Here, in case of utilization of granite waste for further beneficial purposes as per market trend (or) the Govt directions, the company shall get a revised / modified Mining Plan along with Mine Closure Plan from the competent authority.

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- The PP have informed that any one of the following five scenarios that will be focused on the reclamation planning of the proposed quarry, which are:
  - To use mined land as agricultural purpose as the stored water will be utilised for cultivation;
  - To reshape the quarry and design an residential area;
  - To use the area as a place for educational purposes;
  - To revegetate the mined land with appropriate species for foresting and
  - Using the area as a promenade site/eco park for tourists.

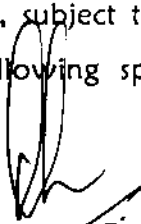
These criteria have been determined according to mine site properties studied earlier through EIA/EMP such as micro and macro climate conditions, hydrology and hydrogeology, chemical and physical properties of soil, geological and geotechnical parameters and etc.

- The PP had indicated that the final mine closure plan includes the action plan for protection of the quarry once it is completed its life (or) abandoned by installing necessary safety provisions such as fencing, etc.

The PP have informed that the granite waste blocks produced from the quarry (non-saleable granite) will be transported taking adequate environmental mitigation measures similar to the recovered Granite blocks as stipulated in EMP, in case of processing plant is situated outside the leasehold area.

Hence the proposal was placed for appraisal in this 298<sup>th</sup> meeting of SEAC held on 22.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the Annual Peak Production Capacity of 36730 m<sup>3</sup> of total excavation which includes 17220 m<sup>3</sup> of Top soil + Weathered rock (1<sup>st</sup> year); of 5875 m<sup>3</sup> ROM which includes 411 m<sup>3</sup> recoverable Black Granite (2<sup>nd</sup> year); of 19950 m<sup>3</sup> side burden (4<sup>th</sup> year),** subject to the normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

  
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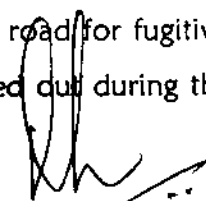
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall extract the dimensional stone blocks through non-explosive techniques such that the surrounding structures are not impacted.
3. The PP shall install the surface drains (Gallery drainage) around the boundary of the proposed quarry and all visible (or) identified tension cracks should be filled up to restrict the rain water entry through the slopes during the operational stage.
4. The PP shall furnish an Action Plan for dumping of waste material/granite rejects within the mine leasehold area to the concerned AD (Mines) before obtaining CTO.
5. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP of Lakhs as committed.
6. As accepted by the Project Proponent the revised CER cost is Rs. 7 lakhs and the amount shall be spent for Toilet Construction of 10 units urine toilet (Mens) & Compound wall at Government Secondary School, Polayamballi village before obtaining CTO from TNPCB.
7. The project proponent shall submit EC compliance report to TNPCB for earlier quarrying operations before obtaining CTO.
8. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
9. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

  
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10. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
11. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
12. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. For this, the PP shall also confirm the ground selected for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals is proved for absence or presence of underlying mineral deposits before it is brought into use for dumping. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.
13. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the

  
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mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.

14. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
15. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
16. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
17. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
18. **Noise and Vibration Related** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
19. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this

  
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work before the conclusion of such operations and the abandonment of the granite quarry as assured in the Environmental Management Plan& the approved Mine Closure Plan.

20. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
21. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
22. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
23. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
24. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
25. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per.
26. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.

  
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27. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
28. 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 informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
29. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
30. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
31. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
32. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.

  
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33. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

34. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

**Agenda No: 298-08**  
**(File No: 8878/2021)**

**Proposed gravel quarry lease area over an extent of 2.62.0 Ha at S. F. Nos. 232/1D, 3,5,233/13,12,9,10E,8A,10C&10D Palaiyur Village, Mannachanallur Taluk, Tiruchirappalli District, Tamil Nadu by Thiru.J.Arivazhagan Vijay-For Environmental Clearance. (SIA/TN/MIN/237711/2021, Dt: 11.11.2021).**

The proposal was placed in this 272<sup>nd</sup> SEAC Meeting held on 13.5.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru.J.Arivazhagan Vijay S/o.Jayaseelan Lavanya Gardens, Vaiyalur Road Thiruchirapalli District-621711
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel quarry
3.	S.F No. of the quarry site with area break-up	232/1D,3,5,233/13,12,9,10E,8A,10C&10D
4.	Village in which situated	Palaiyur
5.	Taluk in which situated	Mannachanallur
6.	District in which situated	Tiruchirappalli

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7.	Extent of Quarry (in ha.)	2.62.0 Ha
8.	Period of Quarrying proposed	Three years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	39446m <sup>3</sup> of gravel
11.	Latitude & Longitude of all corners of the quarry site	11°01'48.08"N to 11°01'56.97"N 78°43'51.29"E to 78°44'00.11"E
12.	Topo sheet No.	58 - I/12
13.	Man power requirement per day:	12 Employees
14.	Precise Area Communication approved by the Assistant Director, G&M, District Collector District with date	Na.Ka.No. 345/2020/Kanimam, dated : 13.09.2021
15.	Mining plan approved by the Assistant Director, dept of Geology and Mining, Collectorate with date	Rc.No. 345/2021/mines, dated : 28.09.2021
16.	500mts letter approved by the Assistant Director, department of Geology and Mining with date	Rc.No. 345/2021/mines, dated : 01.10.2021
17.	Water requirement: 3. Drinking & domestic purposed (in KLD) 4. Dust Suppression & Green Belt (in KLD)	1.6 KLD 0.6 KLD 0.5 KLD 0.5 KLD
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB 7884 Liters of HSD
19.	Depth of Mining	2.0m BGL
20.	Depth of Water table	17m in summer & 15m in Rainy season
21.	Whether any habitation within 300m distance	No
22.	Project cost (including EMP cost)	26.75 Lakhs
23.	EMP cost	6.39 Lakhs
24.	CER cost	5 lakhs
25.	VAO letter dated	Enclosed

Based on the presentation and documents furnished by the project proponent, SEAC noted that as per the report of soil analysis mentioned in the mine lease agreement, the percentage (%) of sand is more than 40%. The PP, however, wanted the proposal to be deferred for producing the original analysis report given by NIT, Trichy. SEAC therefore

  
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decided to defer the proposal to give an opportunity to the PP.

Now the project proponent has furnished the copy of the Soil Test Report from Department of Civil Engineering, National Institute of Technology, Tiruchirapalli vide letter dated 06.06.2022.

Hence the proposal was placed for appraisal in this 298<sup>th</sup> meeting of SEAC held on 22.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for an production quantity of 39446m<sup>3</sup> of gravel by maintaining the an ultimate depth of 2 m below ground level**, subject to the standard & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The project proponent shall submit EC compliance report to TNPCB for earlier quarrying operations before obtaining CTO.
3. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
4. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the

  
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mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.

7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this

  
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work before the conclusion of such operations and the abandonment of the granite quarry as assured in the Environmental Management Plan& the approved Mine Closure Plan.

13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
14. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
18. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per.
19. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.

  
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20. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
21. 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 informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
22. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
23. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
24. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
25. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.

  
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26. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
29. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities for Government Primary School, Sri Parampodhur villages before obtaining CTO from TNPCB.

**Agenda No: 298-09**

**(File No: 8983/2022)**

**Proposed Active Pharmaceutical Ingredient Manufacturing Facility at Plot No. A-1/A, A-1/B, A-1/C, A-2/B, A-2/C, A-2/D, C8-3/C, C8-3/A, C-7/2, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore Taluk & District, Tamil Nadu State, Tamil Nadu by M/s. Solara Active Pharma Sciences Limited- For Environmental Clearance (SIA/TN/IND3/249208/2021, Dated 31.12.2021)**

The proposal was placed in this 275<sup>th</sup> SEAC Meeting held on 20.5.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Proponent, M/s. Solara Active Pharma Sciences Limited has applied for Environmental Clearance for the Proposed Active Pharmaceutical Ingredient Manufacturing Facility at Plot No. A-1/A, A-1/B, A-1/C, A-2/B, A-2/C, A-2/D, C8-3/C, C8-3/A, C-7/2, SIPCOT Industrial Complex, Kudikadu Village, Cuddalore Taluk & District, Tamil Nadu State, Tamil Nadu.
2. The project/activity is covered under Schedule 5(f) Category 'B2'- Synthetic Organic chemicals industry (dyes & dye intermediates; bulk drugs and

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intermediates excluding drug formulations; synthetic rubbers; basic organic synthetic organic chemicals and chemicals intermediate)" of the Schedule to the EIA Notification, 2006.

3. As per S.O. 1223(E) dated: 27.03.2020 & 3636 (E) Dated: 15.10.2020 and its subsequent amendment S.O. 2859 (E) dated: 16.07.2021, "All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received upto the 31st December 2021, shall be appraised as Category 'B2' Projects, provided that any Subsequent amendment or expansion or change in product mix, after the 31st December 2021, shall be considered as per the provisions in force at that time"

During the presentation, SEAC observed that the proposed site falls under CEPI area. As per Hon'ble NGT (PB) order Dt 10.7.2019 in O.A No 1038 of 2019 "*No further industrial activities or expansion be allowed with regard to Red and Orange category units till the said areas are brought within the prescribed parameter or till the carrying capacity of the area is assessed and new units or expansion is found viable having regard to carrying capacity of the area and environmental Norms*".

Further, O.M No. F.No. 22-23/2018 -IA.II (Pt) MoEF&CC Dt. 31.10.2019 has stated the following;

"The Hon'ble NGT in O.A.No .1038/ 2018 had passed orders regarding formulation of a mechanism for environmental management of critically and severely polluted areas and consideration of activities/projects in such areas. The following mechanism has been finalized by the Ministry and necessary action may be taken as given below:

- a) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal is yet to be referred to the EACs/SEACs, the mechanism may be provided to the EACs/SEACs which after due diligence may prescribe additional conditions as incorporated in the mechanism for environmental protection.
- b) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal has already been recommended by the EACs/SEACs, and the proposal

  
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was kept on hold, the mechanism may now be considered by the concerned sectors of the Ministry/SEIAAs and after due diligence the concerned sectors of the Ministry/SEIAAs may prescribe additional conditions as incorporated in the mechanism for environmental protection while issuing ECs and enclosed the mechanism for environmental management of Critically and Severely Polluted Areas and consideration of activities/projects in such areas in compliance of directions issued by Hon'ble National Green Tribunal on 19.08.2019 (published on 23.08.2019) in O. A. No. 1038 2018."

Further, MoEF&CC has issued the O.M vide F.No. 22-23/2018 -IA.II (Pt) MoEF&CC Dt. 30.12.2019 regarding disposal of the application received on or before 31.10.2019 for ToR/EC This is in continuation to the Office Memorandum of even number dated 31st October, 2019, the following three classes of cases that may emerge for disposal of the applications received as on date of OM, for ToR/EC:-

- i. The cases which were already recommended by SEAC or UTEAC, as the case may be;
- ii. The cases where partial deliberations or complete deliberations were made by SEAC or UTEAC, as the case may be; and
- iii. The cases where applications were received but not yet taken for SEAC/UTEAC.

The ministry is in receipt of representation for mechanism to be followed for disposal of the above classes of cases for ToR and EC. The matter has been examined and decided to follow the procedure given below:-

1. In respect of the cases which were already recommended by SEAC or UTEAC, as the case may be (Class-I), SEIAA may prescribe the additional conditions as per the OM dated 31st October, 2019 and dispose without referring to SEAC or UTEAC, as the case may be.
2. In respect of the cases where partial deliberations or complete deliberations were made by SEAC or UTEAC, as the case may be (Class-II), the deliberation may be completed keeping in view of the additional conditions by the SEAC or UTEAC, as the case may be, and sent to the ministry for

  
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comments. If the comments were not received within 15 days from the communication, may be deemed as accepted and disposed based on the recommendations of the SEAC.

3. In respect of the cases where applications were received but not yet taken for SEAC/UTEAC (Class-III), may be transferred to Ministry for dealing at Central level as per the OM dated 31st October, 2019.

The Hon'ble Supreme Court, vide order dated 18-03-2020 in the matter of Chambers of Small Scale Industry Vs Central Pollution Control Board & Anr., has imposed a stay on the operation of the impugned order of the NGT in O.A.No.1038/2018 dated 10.07.2019 and 14.11.2019.

Now The Hon'ble Supreme Court vide order dated 25.2.2022 in the matter of Chambers of Small Scale Industry Vs Central Pollution Control Board & Anr., has ordered that "..... the interim order of stay granted by this Court on 18.03.2020 shall continue to operate for next Eight Weeks". As the interim stay now stands vacated after the expiry of eight weeks' time, the mechanism communicated vide, O.M vide F.No. 22-23/2018 –IA.II (Pt) MoEF&CC Dt. 30.12.2019 will come into force again.

In view of the above, SEAC decided to ask PP to clarify as to why this proposal should not be transferred to Ministry of EF & CC for dealing at Central level as per the OM dated 31st October, 2019.

This proposal has again been placed before 298<sup>th</sup> SEAC meeting held on 22.07.2022. The PP has submitted the clarification to SEIAA vide letter dt: 13.06.2022

Based on the presentation and documents furnished by the project proponent, the SEAC noted that in OM dated 30<sup>th</sup> December 2019,

*"...In respect of the cases where applications were received but not yet taken for SEAC/UTEAC (Class-III), may be transferred to Ministry for dealing at Central level as per the OM dated 31st October, 2019".*

In view of the above, the Committee noted that SEAC has not taken up examination of this

  
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proposal and therefore decided that SEIAA shall inform the PP to apply to MOEF & CC for obtaining EC, vide O.M vide F.No. 22-23/2018 -IA.II (Pt) MoEF&CC Dt. 30.12.2019.

**Agenda No: 298-10**

**(File No: 8592/2022)**

**Proposed Brick Earth quarry lease over an extent of 0.64.0 Ha at S.F.No.39/2B of Athangikavanur Village, Uthukkottai Taluk Tiruvallur District Tamil Nadu by Thiru. V. Ramadass - For Environmental Clearance. (SIA/TN/MIN/ 212165/2021 dated 13.05.2021)**

The proposal was earlier placed for appraisal in the 252<sup>nd</sup> meeting of SEAC held on 10.03.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru. V. Ramadass has applied seeking Environmental Clearance for the proposed Brick Earth quarry lease over an extent of 0.64.0 Ha at S.F.No.39/2B of Athangikavanur Village, Uthukkottai Taluk Tiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions. Acting on the said Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,

  
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- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

Hence, the SEAC directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

On receipt of the aforesaid additional particulars from the Proponent, the proposal was again been placed for appraisal in this 298<sup>th</sup> meeting of SEAC held on 22.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the proponent has furnished two different soil analyses report for the same project site and the composition of the soil reported in the said two reports vastly differ. Hence, the SEAC decided to call for the following details from the PP.

1. Proponent to furnish a fresh analysis report of the soil sample collected in the presence of EIA coordinator in the proposed quarry site indicating the coordinates of place of collection with photographs/video with lithological details of the site and tested in an authorized laboratory.
2. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site

  
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**Agenda No: 298-11**  
**(File No: 6556/2018)**

**Proposed Limestone quarry lease area over an extent of 2.24.0Ha at S.F.Nos.835/3, 836(P) & 837/1B, Varavanai Village, Kulithalai Taluk, Karur District, Tamil Nadu by M/s.Sekhar Mines - For Amendment in Terms of Reference (under Violation) (SIA/TN/MIN/22466/2018 Dt. 19.3.2018).**

The proponent was issued with ToR under violation category vide Lr.No.SEIAA-TN/F.No.6556/SEAC/TOR-1035/2021 dated 13.10.2021 with Public hearing.

Now the proponent has requested for amendment in ToR exempting him from public hearing. During the presentation, the proponent referred to the following Office Memorandums issued by MoEF&CC:

- i) O.M from MoEF&CC dated **04.04.2016**, exempts mining projects (major minerals) with lease area upto 25 hectares from public hearing.
- ii) O.M from MoEF&CC dated **12.11.2020** states that "While considering the applications for Environmental Clearance under the violation category as the provisions of S.O.804(E) dated 14.03.2017, the EACs/SEACs may insist upon public hearing to be conducted only for those categories of projects for which the EIA notification 2006 itself requires public hearing to be conducted.

Based on the above mentioned O.Ms, the PP has requested for an amendment in ToR exempting from public hearing stating that the proposed project falls under Mining projects (major minerals) category with lease area < 25ha and coming under cluster mining >5ha.

After the detailed deliberations and discussion, the SEAC have decided **not to consider the request of the Project proponent for the above said amendment** as it falls under violation case and also considering the circumstances of this case.

  
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Agenda No: 298-12

(File No: 8943/2022)

**Proposed Active Pharmaceutical Ingredient Manufacturing Facility at Plot No A-10 & A-11, SIPCOT Industrial Park, Pachayankuppam Village, Cuddalur Taluk, Cuddalore District, Tamil Nadu by M/s. Avanthiya Pharma LLP- For Environmental Clearance (SIA/TN/IND3/237253/2021, Dated 03.11.2021)**

The proposal was earlier placed in 275<sup>th</sup> SEAC meeting held on 20.5.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

SEAC noted the following:

1. The Proponent, M/s. Avanthiya Pharma LLP has applied for Environmental Clearance for the Proposed Active Pharmaceutical Ingredient Manufacturing Facility at Plot No A-10 & A-11, SIPCOT Industrial Park, Pachayankuppam Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under Schedule 5(f) Category 'B2'- Synthetic Organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic synthetic organic chemicals and chemicals intermediate)" of the Schedule to the EIA Notification, 2006.
3. As per S.O. 1223(E) dated: 27.03.2020 & 3636 (E) Dated: 15.10.2020 and its subsequent amendment S.O. 2859 (E) dated: 16.07.2021, "All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received upto the 31st December 2021, shall be appraised as Category 'B2' Projects, provided that any Subsequent amendment or expansion or change in product mix, after the 31st December 2021, shall be considered as per the provisions in force at that time"

Based on the presentation, SEAC observed that the proposed site falls under CEPI area. As per Hon'ble NGT (PB) order Dt 10.7.2019 in O.A No 1038 of 2019 "*No further industrial activities or expansion be allowed with regard to Red and Orange category units till the said areas are brought within the prescribed parameter or till the carrying capacity of the*

  
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*area is assessed and new units or expansion is found viable having regard to carrying capacity of the area and environmental Norms”.*

Further, O.M No. F.No. 22-23/2018 –IA.II (Pt) MoEF&CC Dt. 31.10.2019 has stated the following;

“The Hon'ble NGT in O.A.No .1038/ 2018 had passed orders regarding formulation of a mechanism for environmental management of critically and severely polluted areas and consideration of activities/projects in such areas. The following mechanism has been finalized by the Ministry and necessary action may be taken as given below:

- a) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal is yet to be referred to the EACs/SEACs, the mechanism may be provided to the EACs/SEACs which after due diligence may prescribe additional conditions as incorporated in the mechanism for environmental protection.
- b) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal has already been recommended by the EACs/SEACs, and the proposal was kept on hold, the mechanism may now be considered by the concerned sectors of the Ministry/SEIAAs and after due diligence the concerned sectors of the Ministry/SEIAAs may prescribe additional conditions as incorporated in the mechanism for environmental protection while issuing ECs and enclosed the mechanism for environmental management of Critically and Severely Polluted Areas and consideration of activities/projects in such areas in compliance of directions issued by Hon'ble National Green Tribunal on 19.08.2019 (published on 23.08.2019) in O. A. No. 1038 2018.”

Further, MoEf&CC has issued the O.M vide F.No. 22-23/2018 –IA.II (Pt) MoEF&CC Dt. 30.12.2019 regarding disposal of the application received on or before 31.10.2019 for ToR/EC This is in continuation to the Office Memorandum of even number dated 31st October, 2019, the following three classes of cases that may emerge for disposal of the applications received as on date of OM, for ToR/EC:-

  
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- i. The cases which were already recommended by SEAC or UTEAC, as the case may be;
- ii. The cases where partial deliberations or complete deliberations were made by SEAC or UTEAC, as the case may be; and
- iii. The cases where applications were received but not yet taken for SEAC/UTEAC.

The ministry is in receipt of representation for mechanism to be followed for disposal of the above classes of cases for ToR and EC. The matter has been examined and decided to follow the procedure given below:-

1. In respect of the cases which were already recommended by SEAC or UTEAC, as the case may be (Class-I), SEIAA may prescribe the additional conditions as per the OM dated 31st October, 2019 and dispose without referring to SEAC or UTEAC, as the case may be.
2. In respect of the cases where partial deliberations or complete deliberations were made by SEAC or UTEAC, as the case may be (Class-II), the deliberation may be completed keeping in view of the additional conditions by the SEAC or UTEAC, as the case may be, and sent to the ministry for comments. If the comments were not received within 15 days from the communication, may be deemed as accepted and disposed based on the recommendations of the SEAC.
3. In respect of the cases where applications were received but not yet taken for SEAC/UTEAC (Class-III), may be transferred to Ministry for dealing at Central level as per the OM dated 31st October, 2019.

The Hon'ble Supreme Court, vide order dated 18-03-2020 in the matter of Chambers of Small Scale Industry Vs Central Pollution Control Board & Anr., has imposed a stay on the operation of the impugned order of the NGT in O.A.No.1038/2018 dated 10.07.2019 and 14.11.2019.

Now The Hon'ble Supreme Court vide order dated 25.2.2022 in the matter of Chambers of Small Scale Industry Vs Central Pollution Control Board & Anr., has ordered

  
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that “..... the interim order of stay granted by this Court on 18.03.2020 shall continue to operate for next Eight Weeks”. As the interim stay now stands vacated after the expiry of eight weeks’ time, the mechanism communicated vide, O.M vide F.No. 22-23/2018 –IA.II (Pt) MoEF&CC Dt. 30.12.2019 will come into force again.

In view of the above, SEAC decided to ask PP to clarify as to why this proposal should not be transferred to Ministry of EF & CC for dealing at Central level as per the OM dated 31st October, 2019.

This proposal has again been placed before 298<sup>th</sup> SEAC meeting held on 22.07.2022. The PP has submitted the clarification to SEIAA vide letter dt: 13.06.2022

Based on the presentation and document furnished by the project proponent, the SEAC noted that in OM dated 30<sup>th</sup> December 2019,

*“...In respect of the cases where applications were received but not yet taken for SEAC/UTEAC (Class-III), may be transferred to Ministry for dealing at Central level as per the OM dated 31st October, 2019”.*

In view of the above, the committee decided that SEIAA may direct the PP to apply to MOEF & CC for further processing, vide O.M vide F.No. 22-23/2018 –IA.II (Pt) MoEF&CC Dt. 30.12.2019.

**Agenda No: 298-13**

**(File No: 6557/2018)**

**Proposed Lime stone quarry lease area over an extent of 1.90.5Ha at S.F.No.833/4B, 836(Part) & 843/2, Varavanai Village, Kulithalai Taluk, Karur District, Tamil Nadu by Thiru.S. Sekhar - For amendment in Terms of Reference issued under violation category. (SIA/TN/MIN/22466/2018 Dt. 19.3.2018).**

The proposal was placed in 298<sup>th</sup> meeting of SEAC held on 22.07.2022. The proponent was issued with ToR under violation category vide Lr.No.SEIAA-TN/F.No.6557/SEAC/TOR-1168/2018 dated 30.05.2022 with Public hearing.

Now the proponent has requested for amendment in ToR exempting from public hearing. During the presentation, the proponent referred to the following Office Memorandums issued by MoEF&CC:

  
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- i) O.M dated **04.04.2016**, exempts mining projects (major minerals) with lease area upto 25 hectares from public hearing.
- ii) O.M dated **12.11.2020** states that "While considering the applications for Environmental Clearance under the violation category as the provisions of S.O.804(E) dated 14.03.2017, the EACs/SEACs may insist upon public hearing to be conducted only for those categories of projects for which the EIA notification 2006 itself requires public hearing to be conducted.

Based on the above mentioned O.Ms, the PP requested for an amendment in ToR exempting from public hearing stating that the proposed project falls under Mining projects (major minerals) category with lease area < 25ha and coming under cluster mining >5ha.

After the detailed deliberations and discussion, the SEAC have decided not to consider the request of the Project proponent for the above said amendment as it falls under violation case and also considering the circumstances of this case.

**Agenda No: 298 - 14**

**(File No.7439/2020)**

**Proposed Savudu Quarry lease over an Extent of 3.64.5 Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkali Taluk, Nagapattinam District, Tamil Nadu by Thiru. V. Senthamilseran – For Environmental clearance (SIA/TN/MIN/142135/2020, dated: 10.02.2020)**

The proposal was earlier placed in 209<sup>th</sup> SEAC minutes held on 09.04.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Thiru. V. Senthamilseran, has applied for Environmental Clearance for the proposed Savudu Quarry lease over an Extent of 3.64.5Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkali Taluk, Nagapattinam District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of

  
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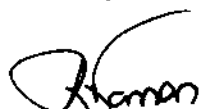
Minerals Projects” of the Schedule to the EIA Notification, 2006.

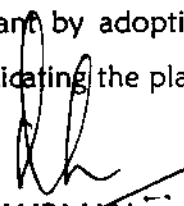
The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P. (MD) Nos. 20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of “Savudu” and other Colloquial terminologies and issued certain directions. Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

In response to 209<sup>th</sup> SEAC minutes held on 09.04.2021, the pp has submitted a soil analysis report obtained from Anna University, Dindigul. The committee, after detailed discussions directed the proponent to withdraw the current application and submit as a new proposal along with the following additional details to avoid the discrepancies associated with the term ‘savudu’:

- i) The PP shall revise the existing Mining Plan for incorporating the correct name of the mineral available in the proposed quarry lease and the same shall be furnished after it is duly approved by the concerned AD (Mines) of the district.
- ii) Soil sampling should be carried out by NABET Accredited consultant by adopting standard protocols in the presence of EIA Coordinator/Geologist indicating the place

  
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- of sampling with coordinates, lithological details of the site, video & photographs and the same shall be submitted for analysis to NIT Trichy and to furnish the report.
- iii) The PP shall also get a letter from the concerned AD (Mines) stating the location status of the proposed site whether it falls under notified areas (or) protected zones as per the order of the High Court.

**Agenda No: 298-15**

**(File No: 7796/2021)**

**Proposed Rough stone quarry lease area over an extent of 1.60.0Ha at S.F. No. 1/4 (Part-34) Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by Thiru. R. Kuthalingam - For Environmental Clearance. (SIA/TN/MIN/56156/2020 Dt.24.1.2022)**

The proposal was placed in 298<sup>th</sup> meeting of SEAC held on 22.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Thiru. R. Kuthalingam has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.60.0Ha at S.F. No. 1/4 (Part-34), Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu. It is a Govt. poromboke land.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years and the mining plan is for 5 years. The production for 5 years not to exceed 566099m<sup>3</sup> of Rough stone and 16000 m<sup>3</sup> of top soil. The Annual peak production as per mining plan is 115000 m<sup>3</sup> of rough stone (2<sup>nd</sup> & 4<sup>th</sup> year) with ultimate depth – 46m AGL.
4. The PP was issued with ToR vide Lr.No. SEIAA-TN/F.No.7796/SEAC/ToR-830/2020 Dt. 16.12.2020 with the restricted production of **Rough stone to 406099 m<sup>3</sup>** with ultimate depth of **36m** and the same was accepted by the PP.

  
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1. After discussions, the Committee decided to **defer** the proposal since the project proponent requested for time to furnish certain additional details to the Committee.

**Agenda No: 298-16**

**(File No: 8650/2021)**

**Proposed Black Granite quarry lease area over an extent of 5.00.0Ha at S.F.Nos. 830 (Part) East & 834/1 Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by M/s. PVI Trading Corporation - For Terms of Reference. (SIA/TN/MIN/64515/2021 Dt.7.7.2021)**

The proposal was placed in 298<sup>th</sup> meeting of SEAC held on 22.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. PVI Trading Corporation has applied for Terms of Reference for the proposed Black Granite quarry lease area over an extent of 5.00.0Ha at S.F.Nos. 830 (Part) East & 834/1 Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu . It is a Govt. Promboke land.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 20 years. As per the Mining plan, the Total excavation quantity for the first 5 years not to exceed 154818 m<sup>3</sup> which includes the ROM quantity of 37125 m<sup>3</sup> possessing the recoverable Black granite quantity of 3713 m<sup>3</sup> & granite waste of 33413 m<sup>3</sup>; Side Burden of 99440 m<sup>3</sup> and Weathered Rock of 18252 m<sup>3</sup>. The Annual peak total excavation as per mining plan is 59268 m<sup>3</sup> and the Annual peak ROM & recoverable quantity of Black Granite is 7500 m<sup>3</sup> & 750 m<sup>3</sup> respectively with maintaining an ultimate depth of 25m BGL.

Based on the presentation made by the proponent, SEAC recommended to grant of Terms of Reference (TOR) with Public Hearing subject to the following conditions, in

  
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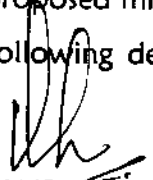
  
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addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:


1. The project proponent shall furnish a letter from DFO indicating the exact distance of the **Masakkal RF** from the project site.
2. A detailed study on flora and fauna shall be carried around the proposed mine area by adopting standard procedures by involving the scholars of the nearby science college for providing a comprehensive biodiversity report.
3. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
4. As per the provisions of the Granite Conservation & Development Rules, 1999, the Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. For this, the PP shall show the details of the ground selected within the mine leasehold area for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals is proved for absence or presence of underlying mineral deposits before it is brought into use for dumping..
5. The PP shall furnish the proposal to adapt the SOP for wire saw cutting during the operation.
6. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
7. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

  
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- a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b. Quantity of minerals mined out.
  - c. Highest production achieved in any one year
  - d. Detail of approved depth of mining.
  - e. Actual depth of the mining achieved earlier.
  - f. Name of the person already mined in that leases area.
  - g. If EC and CTO already obtained, the copy of the same shall be submitted.
  - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
8. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
  9. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
  10. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
  11. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
  12. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

  
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13. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
14. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
15. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
16. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
17. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
18. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
19. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which

  
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attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.

20. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
21. Impact on local transport infrastructure due to the Project should be indicated.
22. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
23. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
24. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
25. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
26. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
27. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
28. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The

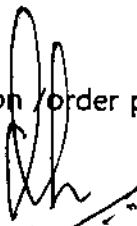
  
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- plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
29. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
30. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
31. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
33. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
34. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
35. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

  
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36. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
37. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
38. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
39. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 298 -17**

**(File No: 7658/2020)**

**Proposed Red Earth quarry lease over an extent of 3.05.5 Ha at S.F.Nos: 69/2, 70/5B, 70/6, 70/7B, 70/8 & 88/2 of Kondalankuppam Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru. S.Devamani - For Environmental Clearance.  
(SIA/TN/MIN/ 157798/2020 Dt. 06.10.2021)**

The proposal was earlier, placed in 252<sup>nd</sup> SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

1. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The details of the project are as follows:

Sl. No.	Details of the proposal	Data Furnished
1.	Name of the Owner / Firm	S.Devamani, S/o. Subramani, No.207/68, MariyammanKovil

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		Street, Kadagampattu Village, Vanur Taluk, Viluppuram District - 605 502
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Red Earth quarry
3.	S.F No. of the quarry site with area  break-up	S. F. Nos. 69/2, 70/5B, 70/6, 70/7B, 70/8 & 88/2
4.	Village in which situated	Kondalankuppam(West) Village
5.	Taluk in which situated	Vanur Taluk
6.	District in which situated	Viluppuram District
7.	Extent of Quarry (in ha.)	3.05.5Ha
8.	Period of Quarrying proposed	Three years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m3)	As per mining plan the the lease period is for 3 years. The production for the three years states that the total quantity of recoverable should not exceed 47,470 cu.m of Red earth with an ultimate depth of mining is 2m below ground level.
11.	Latitude &Longitude of all corners of the quarry site	12°02'15.85"N to 12°02'20.80"N79°41'10.94"E to 79°41'25.61"E
12.	Topo sheet No.	57-P/12
13.	Man power requirement per day:	9 Employees
14.	Precise Area Communication approved by the District Collector Viluppuram District with date	Rc.No. A/G&M/541/2019, Dated: 13.11.2019

  
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15.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc.No. A/G&M/541/2019, Dated: 23.01.2020
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. A/G&M/541/2019, Dated: 14.09.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	2.0KLD 0.3KLD Water vendor 0.9 KLD& 0.8 KLD Existing Bore well
18.	Power requirement: e. Domestic purpose f. Machinery works	TNEB 5,96,792 Liters of HSD
19.	Depth of Mining	2m
20.	Depth of Water table	11.0m in summer & 6.5m in Rainy season
21.	Whether any habitation within 300m distance	No
22.	Project cost (excluding EMP cost)	23.22 Lakhs
23.	EMP cost	7.40Lakhs
24.	CER cost	5 lakhs ( accepted by PP)
25.	VAO letter dated	25.12.2019

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license

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given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions. Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

In the present case, the Committee therefore directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

The project proponent has submitted the details to SEIAA on 20.06.2022. The project proponent yet to submit the details through online and the application is pending at PP due to EDS.

The proposal was placed in this 298<sup>th</sup> Meeting of SEAC held on 22.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted as

  
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follows:

- Oussudu Lake Bird Sanctuary is located at a distance of 9.0 Km from the lease boundary of the project site.
- Odai – 640m –on the Western side of lease applied area
- The Interstate boundary is situated in 400m from Southeast side of the lease area.
- Mining area proposed in two blocks - Block –I & Block –II. Two blocks were separated by a distance of 53.2 m and marked as Survey No: 70/7A (Survey No. not covered in the Mining plan), quarry road is proposed in the said survey No. In mining plan all the four sides is mining lease is patta land.
- The project proponent has submitted agreement copy in Rs.20 bond, concurrence from Thiru. Jagadessan for utilization of S.F.No.70/7A for movement of own vehicle of Thiru. S.Devamani.
- The project proponent has submitted the sieve analysis and shear strength properties of the soil sample from Department of technical education, Tamil Nadu , Government College of Engineering, Dharmapuri – 636 704 vide Lr.No.GCE/DPI/CIVIL/SOIL/2022/C-073 dated 09.06.2022.
- A letter from Deputy Director , Dept. of Geology and Mining, Viluppuram vide RC.No.B/G&M/541/2019 dated 02.06.2022 informing that  
*“ There is no archaeological site or remains and ancient Monument situated within 500 metres radial distance from the applied area and there is no National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors were situated within one kilometer radial distance from the applied area and there is no Odai, River, Stream, Cannal were situated within 500 metre from the applied area and there is no Reserve Forest, was situated within one kilometer radial distance from the applied area.”*
- The Project proponent has earlier ( at the time of submission of EC application) submitted 500 m radius letter from Deputy Director , Dept. of Geology and

  
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Mining, Viluppuram vide Rc.No.A/G&M/541/2019 dated 03.06.2020. Now, the project proponent has presented 500 m radius letter obtained from Deputy Director . Dept. of Geology and Mining, Viluppuram vide Rc.No.A/G&M/541/2019 dated 14.09.2020 with the inclusion of lease period for abandoned quarries.

After detailed deliberations, SEAC decided to recommend the proposal for the grant of **Environmental Clearance, for an production quantity of 47,470 cu.m of Red Earth quarry by maintaining the an ultimate depth of 2 m below ground level**, subject to the standard conditions & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.

  
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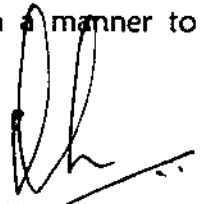
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.

  
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12. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
13. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
16. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
17. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
18. The project proponent shall ensure that the provisions of the MMDR Act, 1957 & the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.

  
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19. 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 informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
20. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
21. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
22. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
23. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
24. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
25. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

  
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26. As accepted by the Project Proponent the CER cost of Rs. 5 lakhs and the amount shall be spent for the developmental activities and beautification of Oussudu Lake birds sanctuary before obtaining CTO from TNPCB.

**Agenda No: 298 -18**

**(File No: 8575/2021)**

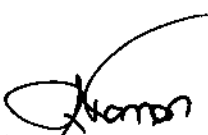
**Proposed Rough Stone quarry lease area over an extent of 0.64.5Ha at S.F.Nos. 302/2(P) of Mallanampatti Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru.K.Sivan - For Environmental Clearance. (SIA/TN/MIN/215420/2021, dated: 16.06.2021).**

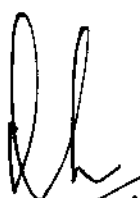
The proposal was placed for appraisal in the 239<sup>th</sup> meeting of SEAC held on 22.10.2021 & 263<sup>rd</sup> meeting of SEAC held on 09.04.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the proposal	Data Furnished
1.	Name of the Owner / Firm	K. Sivan, S/o. KuppuGounder, D. No. 1/559, Peddampatti, Pappireddipatti Taluk, Dharmapuri District - 636903 Viluppuram District - 605 502
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone quarry
3.	S.F No. of the quarry site with area break-up	S. F. Nos. 302/2(P)
4.	Village in which situated	Mallanampatty Village
5.	Taluk in which situated	Nilakottai Taluk
6.	District in which situated	Dindigul District
7.	Extent of Quarry (in ha.)	0.64.5Ha
8.	Life of the Quarry	Five years
9.	Lease period of the Quarry	Five years
10.	Type of Mining	Opencast Mechanized Mining

  
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11.	Production (Quantity in m3)	The production for 5 years not to exceed 42936m3 of Rough stone. The Annual peak production as per mining plan is 9768m3 of rough stone (4 <sup>th</sup> year) with proposed depth – 38m (8m AGL + 30m BGL).
12.	Latitude & Longitude of all corners of the quarry site	10°10'23.96"N to 10°10'27.14"N 77°48'26.04"E to 77°48'29.97"E
13.	Topo sheet No.	58 F/16
14.	Man power requirement per day:	27 Employees
15.	Precise Area Communication approved by the District Collector Dindigul District with date	Rc.No. 117/2021/Mines, dated 27.05.2021
16.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc.No. 117/2021/Mines, dated 07.06.2021
17.	500mts letter approved by the Assistant Director of Geology and Mining with date	Rc.No. 117/2021(Mines), dated 07.06.2021
18.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	5.0KLD  1.25KLD Water vendor 2.0 KLD&1.75 KLD Existing Bore well
19.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 34336Liters of HSD
20.	Depth of Mining	38m (8m AGL + 30m BGL)
21.	Depth of Water table	60m
22.	Whether any habitation within 300m distance	No
23.	Project cost (excluding EMP cost)	35.79 Lakhs
24.	EMP cost	69.4Lakhs
25.	CER cost	7 lakhs
26.	VAO letter dated	Nil

Based on the presentation and document furnished by the project proponent, SEAC

  
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decided to call for the following details from the project proponent

1. The project proponent shall furnish a letter from DFO stating that the details of nearest RF (Kadavakurichi) & its distance located with respect to the project site.

The project proponent has submitted detail vide in its letter dated 14.05.2022 received by SEIAA on 16.05.2022. The proposal was placed in this 298<sup>th</sup> Meeting of SEAC held on 22.07.2022. The project proponent presented along with the details requested in the 263<sup>th</sup> meeting of SEAC held on 09.04.2022. However, based on the presentation and the Approved Mining Plan furnished by the project proponent, SEAC had observed the following:

1. The layout of the working faces revealed in the section along X-Y and A-B of both the Plate –IV of Yearwise Development / Production Plan & Sections and the Plate – VI of the Conceptual Plan & Sections that the height of the proposed working bench is given as 6 m and breadth of the bench is given as 5 m.

Here, the SEAC had observed the following legal provisions pertaining to the bench formation in the quarry:

**(i) Reg. 106 (2) (a) of Metalliferrous Mines Regulations 1961** which stipulates that *"Where 'float' or other similar deposit is worked by manual means on a sloping face, the face shall be benched and the sides shall be sloped at an angle of not more than 60 degrees from the horizontal. The height of any bench shall not exceed six meters and the breadth thereof shall not be less than the height:*

*Provided that where the ore-body consists of comparatively hard and compact rock, the Regional Inspector may, by an order in writing an subject to such conditions as he may specify therein, permit the height of the bench to be increased up to 7.5 metres while its width is not less than six metres :*

*Provided further that in case of a mine or part where special difficulties exist, the Chief Inspector may, by an order in writing an subject to such conditions as he may specify therein, relax the provisions of this sub-regulation."*

  
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(ii) DGMS Circular No. 42 of 1965 stipulates that *"Height and width of benches in hard and compact ground—It is recommended that generally the height of a bench in hard and compact ground should not exceed 7.5 metres and the sides of the bench should be sloped at an angle of not more than 60° from the horizontal. The width of the benches should also be not less than the height.*

*Provided, however, that where there are any practical difficulties in complying with these recommendations, benches in variation of the above mentioned dimensions may be permitted to be made on application subject to such conditions as may be specified in the interest of safety of workpersons on the merits of each case individually. In this connection it may be indicated that no such application would be normally entertained where the benches are worked manually".*

iii) DGMS Circular No. 36 of 1972 stipulates that *"Height and Width of Benches - 2. (a) The height of the benches in overburden ore body or other rock formation shall not be more than the digging height of the machine used for digging, excavation or removal.*

*Provided that in case of uniformly soft rocks the Regional Inspector may permit the extension of the height upto 3 metres above the digging height of the machine.*

*(b) The width of any bench shall not be less than*

*(i) the width of the widest machine plying on the bench plus two meters, or*

*(ii) if dumpers ply on the bench three times the width of the dumper, or*

*(iii) the height of the bench, whichever is more.*

*Provided that the Chief Inspector may, subject to such conditions as he may specify therein, permit the width of any bench to be less than its height".*

Based on the above legal observations, the SEAC direct the NABET Coordinator to examine the Mining Plan precisely and the Plan shall be modified and the calculations should be reassessed afresh and the same should be approved by the competent authority which shall be then furnished to the SEAC for further course of actions.

It is also informed that the SEAC also insist the NABET Coordinator to check the Plan proposal in accordance with the law before submitting it to the SEAC before appraisal.

  
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**Agenda No:298 - 19.**

**(File No: 8749/2021)**

**Proposed construction of hospital buildings for the establishment of Government Hospital at S.F.Nos.97/3 & 96/1, Orathur Village, Nagapattinam Taluk, Nagapattinam District, Tamil Nadu by M/s. Government Medical College and Hospital - For Environmental clearance. (SIA/TN/MIS/223893/2021, dated: 11.08.2021)**

The proposal was placed for appraisal in 238<sup>th</sup> meeting of SEAC held on 13.10.2021. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s.Government Medical College and Hospital, has applied for Environmental Clearance for the proposed construction of hospital buildings for the establishment of Government Hospital at S.F.Nos.97/3&96/1, Orathur Village, Nagapattinam Taluk, Nagapattinam District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made and the documents furnished by the project proponent, SEAC after detailed deliberations directed the proponent to furnish the following additional details,

- 1.The project proponent shall furnish the permission obtained from concerned authority (TWAD, Nagapattinam) for the source of supply of fresh water for the proposed project.
2. The project proponent shall furnish revised water balance considering attenders for proposed In -patients/ Nos. of beds.
3. The project proponent shall furnish village map of the proposed project site.
4. The project proponent shall furnish revised green belt plan excluding OSR area.
5. The project proponent shall furnish noise mitigation measures including adequate green belt/ barrier to prevent outside noise due to surrounding/background activity & movement of vehicles (local traffic) adhering to the noise level standards for hospitals/silent zone prescribed by CPCB .

  
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6. Photographs of Bio-medical waste management if existing within the proposed project premises and storage area earmarked for bio-medical wastes.
7. The project proponent shall furnish revised adequate rain water harvesting recharging structures.
8. The storm water management plan may be revised considering the probable maximum rainfall.
9. The project proponent shall revise CER in regard sanitation, solar power, smart class facilities, Environmental awareness program to nearby schools, etc.

The project proponent had submitted the details to SEIAA vide letter dated 16.05.2022.

Now the proposal was placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. The SEAC noted that, the PP was absent. The EIA co-ordinator requested the committee to present his project in next day meeting. The committee has agreed for the same.

The PP appeared before the committee on 298<sup>th</sup> SEAC meeting held on 22.07.2022. Based on the presentation made by the proponent and the documents furnished, SEAC noted that (i) the hospital complex is nearing completion and (ii) PP stated that he intends to exclude 'educational institution' buildings from the application. Hence the Committee decided that the PP shall apply for ToR under violation category for hospital components only.

  
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## ANNEXURE - I

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and

  
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surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.

7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Project proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamil Nadu .
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The PP shall carryout the plantation as committed within one year after commencement of operation.
12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with proper spacing as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent

  
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shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

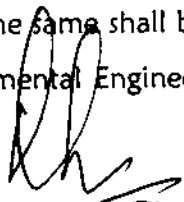
14. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.

  
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18. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
21. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
22. The Project proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
23. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
24. 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 informed to the District AD/DD(Geology and Mining) District Environmental Engineer

  
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(TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

25. The Project proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project proponent liable for legal action in accordance with Environment and Mining Laws.
26. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
27. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road if applicable, about the project as per Appendix -II of these minutes.

  
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**Appendix -I**  
**List of Native Trees Suggested for Planting**

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenanthera pavonina</i>	Marjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூர்
18	<i>Creteva adansonii</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Siruzha	சிறு உவா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலை
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றாப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயில்
27	<i>Lannea coromandelica</i>	Odham	ஓதம்பம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசம்பா, பிசிப்பட்டை
32	<i>Madhuca longifolia</i>	Illupai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eachai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வெண்ணங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கறிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அஸோகா
51	<i>Streblus asper</i>	Piray maram	பீராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாள் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்குரா
60	<i>Wrightia tinctoria</i>	Veppalai	வெப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்பழி

  
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**Appendix-II**  
**Display Board**  
(Size 6' x5' with Blue Background and White Letters)

-----சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி-----தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	குவாரியின் எல்லைவயச் சுற்றி வேலி அமைக்க வேண்டும்
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	சுரங்கப்பாடையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அனவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அனவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லைவய சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் ஸ்க்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அனவு 85 டெசிபல்ஸ் (dBA) அனவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியார்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுராதாமுன்ன சுழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வரியாக வாகனங்கள் செல்லும் சாலைவயை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

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