

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 313th Meeting of the State Expert Appraisal Committee (SEAC) held on 22.9.2022 September 2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 313-01

(File No: 6927/2019)

Proposed Multi Colour Granite quarry lease over an extent of 2.27.5 Ha in S.F.No. 7/1A2, 7/1C(P), 13/1A1B(P) & 13/1A2, Anumanthapuram Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Globle Enterprises - For Environmental Clearance. (SIA/TN/MIN/38894/2019 Dt. 02.10.2021)

The proposal was placed in 313th SEAC meeting held on 22.09.2022. 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. Globle Enterprises has applied for Environmental Clearance for the Multi Colour Granite quarry lease over an extent of 2.27.5 Ha in S.F.Nos. 7/1A2, 7/1C(P), 13/1A1B(P) & 13/1A2, Anumanthapuram Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued Date Lr No.SEIAA-TN/F.No.6927/SEAC/TOR- 72212020 Dated: 23.06.2020
4. Public Hearing was conducted on 10.08.2021.

The proposal is for mining of Multi Colour Granite and the salient features of the proposal are as follows:

Sl. no	Details of the Proposal	
1.	Name of the Owner/Firm	: M/s. Globle Enterprises
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Multi Colour Granite quarry
3.	S.F No. Of the quarry site with area break-up	: S.F.No. 7/1A2, 1C(P), 13/1A1B(P) & 13/1A2

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4.	Village in which situated	:	Anumanthapuram Village																
5.	Taluk in which situated	:	Denkanikottai Taluk																
6.	District in which situated	:	Krishnagiri District																
7.	Extent of quarry (in ha.)	:	2.27.5 Ha																
8.	Period of quarrying proposed	:	20 Years																
9.	Type of mining	:	Opencast semi-Mechanized method																
10.	Total Excavation Details (Quantity in m ³)	:	<table><tr><td rowspan="2">Mineable Reserve (m³)</td><td>ROM</td><td>Recovery (30%)</td><td>Granite Waste</td><td>Top Soil</td><td>Depth</td></tr><tr><td>1,48,460</td><td>44,538</td><td>1,03,920</td><td>9,306</td><td>38</td></tr></table> <p>First Five Year Scheme of Mining Plan ROM – 67,000 m³ incorporating the production quantity of 20,100 m³ of Multi colour Granite. Waste – 46,900 m³ & 19,392 m³ of Weathered Rock & Annual peak production: 4080 m³ of Multi colour Granite.</p>						Mineable Reserve (m ³)	ROM	Recovery (30%)	Granite Waste	Top Soil	Depth	1,48,460	44,538	1,03,920	9,306	38
Mineable Reserve (m ³)	ROM	Recovery (30%)	Granite Waste	Top Soil	Depth														
	1,48,460	44,538	1,03,920	9,306	38														
11.	Latitude & Longitude of all corners of the quarry site	:	12°27'36.14"N to 12°27'42.14"N 77°50'15.17"E to 77°50'22.78"E																
12.	Topo Sheet No.	:	57 – H/15																
13.	Man Power requirement per day:	:	35 Employees																
14.	Precise area communication approved by the Principal Secretary to Government with date	:	Letter No. 2285/MME.2/2019-1, Dated: 04.03.2019																
15.	Mining Plan approved by the Deputy Director of Geology and Mining, Guindy, Chennai with date	:	Rc.No. 5247/MM5/2017 dated: 03.06.2019.																


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16.	Proposal applied for ToR for obtaining the EC	Online Proposal No: SIA/TN/MIN/38894/2019, 09.07.2019.
17.	Proposal considered and date of ToR issued	Lr. No: SEIAA-TN/F.No. 6927/SEAC/ToR-722/2020, dated. 23.06.2020.
18.	Application for Environmental Clearance with EIA Report	Online Proposal No: SIA/TN/MIN/38894/2019, dated. 02.10.2021.
19.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	: 5.0 KLD 2.0 KLD Existing Bore Wells & Water vendor 2.0 KLD & 1.0 KLD Existing Bore Wells
20.	Power requirement: a. Domestic Purpose b. Machinery Works	: TNEB 1,07,200 Liters of HSD
21.	Ultimate Depth of Mining	: 38m
22.	Depth of water table	: 62m – 57m
23.	Whether any habitation within 300m distance	: No.
24.	Project Cost (excluding EMP cost)	: 2.77 Crores
25.	EMP cost	: 9.15 lakhs
26.	CER cost	: Rs. 5 lakhs for school infrastructural development activities and Rs. 5 lakhs for mitigation measures as per the requirements of DFO, Hosur.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for ROM – 67,000 m³ incorporating the production quantity of 20,100 m³ of Multi colour Granite, Waste – 46,900 m³ & 19,392 m³ of Weathered Rock during first five year scheme of the Mining Plan restricting the depth upto 18 m and not exceeding the


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total ROM quantity of 1,48,460 m³ with an annual peak production of 4080 m³ of Multi colour Granite to a Ultimate Pit depth of 38m BGL during the life of the mine (i.e., 20 years), subject to the standard conditions as per the Annexure 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. 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 as committed.
3. As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for Panchayat Union Middle School, Anumanthapuram Village, Denkanikottai, Krishnagiri before obtaining CTO from TNPCB.
4. Fencing and Green Belt shall be completed for the previous EC granted earlier before obtaining CTO for this proposal.
5. The proponent shall obtain a 'Star Rating' system awarded by Anna University, Chennai annually to the mining lease being operated for their efforts and initiatives taken for successful implementation of the Sustainable Development Framework (SDF).
6. Since the project is located at 1.6km from Cauvery North Wildlife Sanctuary, the proponent must spend Rs.5 Lakhs for conservation measures in consultation with the concerned DFO, Hosur before obtaining CTO.
7. The proponent is requested to prepare Standard Operating Procedure for using Diamond Wire Saw Cutting method before obtaining CTO.
8. The proponent shall mandatorily appoint the statutory Mines Manager & other statutory competent persons and the Geologist in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
9. The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.


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10. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
11. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
12. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
13. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
14. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
15. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
16. 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, 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 MoEF & CC, 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.

17. 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. 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.
18. 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.
19. 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.
20. The PP shall also develop the Green belt around the office buildings, along the side of the roads and on backfill areas, if any, apart from along the mine lease boundary. 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.
21. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing


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22. 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.
23. **Dust, Noise and Vibration Related:** Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed. Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
24. The impact on fauna species in the mining area is mostly due to noise vibration and loss of vegetation cover. No working is proposed during night time, i.e., after 6 pm. No lighting is allowed to spread outside quarry lease area.
25. 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.
26. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
27. 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.
28. 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.

29. 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.
30. 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.
31. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skilful, 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.
32. 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.
33. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
34. 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.
35. All the conditions imposed by the concerned Assistant/Deputy Director, Geology & Mining, in the mining plan approval letter and the Precise area

communication letter issued by the concerned District Collector should be strictly followed.

36. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat / local representatives, if any, from whom any suggestion/representation has been received while processing the proposal.
37. 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.
38. All the commitments made by the proponent during the Public Hearing, as per the minutes of Public Hearing should be implemented in total.

Agenda No: 313-02

(File No: 8495/2021)

Proposed Rough Stone Jelly & Sized Stone Quarry lease over an extent of 2.40.0 Ha in S.F.Nos. 665(Part-2) of Kamandoddi Village, Hosur (Now Shoolagiri) Taluk, Krishnagiri District, Tamil Nadu by M/s. Thriveni Earth Movers Pvt Ltd - Environmental Clearance - Regarding. (SIA/TN/MIN/78976/2021, dated: 28.06.2022)

The proposal was placed for appraisal in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, M/s. Thriveni Earth Movers Pvt Ltd, has applied for Environmental Clearance for the proposed Rough Stone Jelly & Sized Stone Quarry lease over an extent of 2.40.0 Ha in S.F.Nos. 665(Part-2) of Kamandoddi Village, Hosur (Now Shoolagiri) Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


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3. The mine is existing with a depth of 29 m and carrying out the deep hole blasting operations with usage of HEMMs after obtaining the statutory permission from the Director of Mines Safety, DGMS, Bangaluru.
4. As per the mining plan, the lease period is for 10 years. The mining plan is for the period of 5 years and the total production for the next 5 years not to exceed 4,26,513m³ of rough stone with ultimate depth of 42m BGL as per the first scheme of Mining Plan has been approved by the competent authority.
5. ToR issued Date Lr No. SEIAA-TN/F.No.8495/SEAC/ToR-1056/2022
Dated:28.01.2022
6. Public Hearing was conducted on 02.06.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional details

1. The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures-whether it belongs to the PP (or) not, etc.
2. The proponent shall submit details regarding a textile industrial building which is located at a distance of 130m away from the mine lease area:
 - i. Year of installation of Textile / Garment industrial building
 - ii. Number of people are working and working hours.
 - iii. Video / Pictures indicating the aforesaid building and its structural components

On receipt of the above details, SEAC would further deliberate on this project and decide the further course of action.


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AGENDA No: 313-03**(File No: 7906/2022)**

Proposed Rough stone and Gravel Quarry lease over an Extent of 8.06.5 ha in S.F. No. 210/1, 211, 212/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 & 18 Chithathur Village, Vembakkam Taluk and Tiruvannamalai District, Tamil Nadu by M/s. Tvl.SRC Projects (P) Ltd- For Environmental Clearance. (SIA/TN/MIN/ 56891/2020, dated 30.04.2022)

The proposal was placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Tvl.SRC Projects (P) Ltd has applied seeking Environmental Clearance for the proposed fresh Rough stone and Gravel Quarry lease over an Extent of 8.06.5 ha in S.F. No. 210/1, 211, 212/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 & 18 Chithathur Village, Vembakkam Taluk and Tiruvannamalai District, Tamil Nadu.
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, as amended.
3. ToR issued along with Public Hearing vide T.O Lr No.SEIAA-TN/F.No.7906/SEAC/ToR-1004/2021 Dated: 28.07.2021
4. Public Hearing minutes dated: 17.02.2022
5. EIA Submitted on 04.05.2022

Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	Tvl.SRC Projects (P) Ltd., Represented by its Director Thiru.R.Ganeshan, S/o. Ramasamy, No.4-B, Lakshipuram, Gandhi Road, Salem District - 636 007
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough stone and Gravel
3.	S.F No. Of the quarry site with area break-up	210/1, 211, 212/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 & 18
4.	Village	Chithathur
5.	Taluk	Vembakkam
6.	District	Tiruvannamalai
7.	Extent of quarry (in ha.)	8.06.5 Ha
8.	Period of quarrying proposed	5 years

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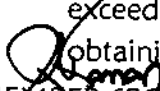
9.	Type of mining	Opencast Mechanised
10.	Production (Quantity in m ³)	As per the mining plan, lease period is 5 years and the production for 5 years not to exceed 15,29,750 m ³ of Rough stone, 2,11,790 m ³ of Weathered Formation & 90,320 m ³ of Gravel for an ultimate depth of 47 meters BGL (40 m Rough Stone + 2 m Gravel + 5m Weathered Formation). The Annual peak production as per mining plan is 3,54,755 m ³ of Rough stone (5 th year).
11.	Depth of quarrying	47m (40 m Rough Stone + 2 m Gravel + 5m Weathered Formation)
12.	Latitude & Longitude of all corners of the quarry site	12°43'26.24"N to 12°43'37.66"N 79°36'17.46"E to 79°36'30.66"E
13.	Topo Sheet No.	57 – P/10
14.	Man Power requirement	51 Nos.
15.	Precise area communication	Rc.678/Kanimam/2019, dated 22.07.2020
16.	Mining Plan	Rc.No:678/Kanimam/2019, dated 26.08.2020
17.	500m cluster letter	Rc.No:678/Kanimam/2019, dated 26.08.2020
18.	Total Water requirement	6.0 KLD
19.	Power requirement for domestic purpose	TNEB
20.	Depth of water table	58-62m BGL
21.	Whether any habitation within 300m distance	Nil as per the VAO letter
22.	Project Cost (including EMP cost)	Rs. 2,53,07,000/-
23.	EMP cost	Capital Cost Rs. 34,15,000/- Recurring Cost Rs. 25,09,000/-Annum
24.	CER cost	Rs. 11 Lakh
25.	VAO certificate regarding habitation within 300m radius	Dated: 28.08.2020

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 15,29,750 m³ of Rough stone, 2,11,790 m³ of Weathered Formation & 90,320 m³ of Gravel for an ultimate depth of 47 meters BGL during a period of 5 years and the annual peak production as per mining plan is 3,54,755 m³ of Rough stone (5th year) 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:

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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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The PP shall inform the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. Within one year from 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, IIT Madras, IIT (ISM), Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be made available to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
6. Further, the PP shall explore the possibility of adopting the Digital Detonators technology with advanced vibration monitoring & measurement system in the proposed quarry with the assistance of the Research and Academic Institution such as IIT (ISM), Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc as a measure to control the blast-induced ground vibrations within the safe limits as prescribed by the DGMS.
7. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry exceeds 30m after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.


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8. 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 quarry touches 40 m (or) after the completion of 4 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, 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 without any deviation.
9. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
10. 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.
11. As accepted by the Project Proponent the CER cost is **Rs. 11 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No: 313-04

(File No: 8321/2022)


Proposed Rough Stone & Gravel Quarry lease over an extent of 2.99.5 Ha at S.F.No. 86/3 in Ponnangalam Village, Thirumangalam Taluk, Madurai District, Tamilnadu by Thiru.S.Vishnuvarthan - For Environmental Clearance.(SIA/TN/MIN/74753/2021 dated 04.04.2022)

The proposal was placed in 313th meeting of SEAC held on 22.09.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru.S.Vishnuvarthan, S/o. Soundarapandian,


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		No.6/315, Madurai Main Road, Chekkanurani, Madurai District.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone & Gravel Quarry
3.	S.F No. of the quarry site	86/3
4.	Village in which situated	Ponnamangalam
5.	Taluk in which situated	Thirumangalam
6.	District in which situated	Madurai
7.	Extent of Quarry (in ha.)	2.99.5 Ha (Patta land)
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast mechanized mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years. The mining plan is for the period of Five years. The total production for 5 years not to exceed Rough Stone Recoverable 492472 m ³ , Gravel 49680 m ³ and Mine waste 10048m ³ with an ultimate depth of 32m below ground level. The Annual peak production 109368 m ³ of Rough stone (1 st & 2 nd year) and 16560m ³ of Gravel (1 st , 2 nd & 3 rd year)
11.	Depth of Mining	32.0 m
12.	Latitude & Longitude of all corners of the quarry site	09°53'16.95"N to 09°53'24.70"N 77°56'56.57"E to 77°57'3.84"E
13.	Topo sheet No.	58 - G/13
14.	Man power requirement per day:	18 Employees
15.	Precise Area Communication approved by Joint Director/ Assistant Director(i/c), Department of G&M, with date	Na.Ka.En.245/2020/kanimam dated:25.08.2020
16.	Mining plan approved by Joint Director/ Assistant Director(i/c), Department of G&M with date	Roc.No. 245/2020-Mines, dated. 06.10.2020
17.	500m letter approved by the Joint Director/ Assistant Director(i/c), Department of Geology and Mining with date	Roc.No. 245/2020-Mines, dated. 16.10.2020
18.	Water requirement:	3.0 KLD

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	1. Drinking water & Domestic purposes	2.0 KLD
	2. Dust Suppression	0.5 KLD
	3. Green Belt	0.5 KLD
19.	Power requirement:	435907 liters of HSD for the entire project life
20.	Depth of Water table	57 m
21.	Whether any habitation within 300m distance	No
22.	Project cost (excluding EMP cost)	Rs.65.70 Lakhs
23.	EMP cost	Capital Cost – Rs.28.15 Lakhs Recurring Cost – Rs.10.42 Lakhs
24.	CER cost	5 Lakhs
25.	VAO letter dated	24.11.2020

Based on the presentation and document furnished by the project proponent, after detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the revised quantity of Rough Stone Recoverable **492472 m³**, Gravel of **49680 m³** and Mine waste of **10048m³** with an Annual peak production capacity of 109368 m³ of Rough stone and 16560m³ of Gravel & 2896 m³ of mine waste restricting to the ultimate pit **depth of 32 m below ground level**, subject to the standard conditions as per the Annexure 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 proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.


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3. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
4. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed. Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
5. The impact on fauna species in the mining area is mostly due to noise vibration and loss of vegetation cover. No working is proposed during night time, i.e., after 6 pm. No lighting is allowed to spread outside quarry lease area.
6. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
7. The PP shall ensure that only controlled blasting operation involving muffle blasting is carried out in the quarry with prior official permission of the Director of Mines Safety, Chennai Region after obtaining the CTO from TNPCB.
8. Since the habitations are situated at a distance range of 700 to 900 m from the mine lease boundary, the PP shall carry out the scientific studies on controlled


- blasting within one year from the commencement of mining operations, 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-Dept of Mining Engg, 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.
9. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
 10. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
 11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
 12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
 13. 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.
 14. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent towards the Govt. Kallar Higher Secondary School, Mela Urppanur for the activities as committed, before obtaining CTO from TNPCB.

Agenda No: 313-05

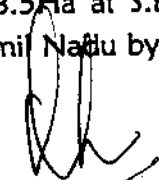
(File No: 795/2014)

Proposed Colour Granite quarry lease area over an extent of 5.58.5Ha at S.F.No. 37/15B2 of Kommedu Village, Gingee Taluk, Villupuram District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited- For Environmental Clearance.

(SIA/TN/MIN/78974/2021, dated: 28.06.2022).


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The proposal was placed in this 313th Meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	M/s. Tamil Nadu Minerals Limited, 31 Kamarajar Salai, Chepauk, Chennai, Tamil Nadu-600005
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Colour Granite quarry
3.	S.F No. of the quarry site with area break-up	S. F. No. 37/15B2
4.	Village in which situated	Kommedu Village
5.	Taluk in which situated	Gingee Taluk
6.	District in which situated	Villupuram District
7.	Extent of Quarry (in ha.)	5.58.5 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 30years & mining plan is for 5 years. 17,159 m³ of Colour Granite for five years with ultimate depth of mining 15m below ground level. The Annual peak production as per mining plan is 3432 m³ of Colour Granite.
11.	Latitude & Longitude of all corners of the quarry site	12°10'17.89"N; 79° 27'44.78"E 12°10'21.64"N; 79° 27'42.86"E 12°10'22.47"N; 79° 27'45.76"E 12°10'20.19"N; 79° 27'45.96"E
12.	Topo sheet No.	57P/8 & 57 P/12
13.	Man power requirement per day:	35 Employees
14.	Precise Area Communication approved by the District Collector	Government letter No. 22244/MME.1/2007 – 2, dated 02.11.2011.
15.	Mining plan approved by the	Rc.No. 6637/MM4/2021, dated:

	Deputy Director of Geology and Mining with date	31.01.2022
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Letter No. B/G&M/344/2018, dated: 09.08.2018
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	1.2KLD 0.5KLD 0.3KLD 0.4KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	220 V There is no power requirement for Machinery works as it requires only diesel.
19.	Depth of Mining	30m (Above ground level 22m + Below ground level 8m)
20.	Depth of Water table	15m BGL
21.	Whether any habitation within 300m distance	There is no habitation within 300m distance
22.	Project cost	100 lakhs
23.	EMP cost	1,55,000
24.	CER cost	2 lakhs
25.	VAO letter dated	30.04.2021
26.	TOR issued	
27.	Public hearing conducted on	12.04.2022

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 above notings, 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.
2. 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.
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3. As accepted by the Project Proponent the revised CER cost is Rs. 4 lakhs and the amount shall be spent for GTR, Middle School, kallakurichu/Sankarapuram before obtaining CTO from TNPCB.
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 Granite Conservation & Development Rules, 1999 respectively.
3. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
6. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
7. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the 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

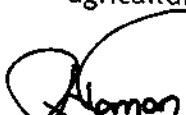

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mentioned for total excavation i.e. quantum of Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. 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. 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.
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.
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.


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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
24. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
25. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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: 313-06

(File No: 7664/2020)

Proposed Quartz & Feldspar quarry lease area over an extent of 1.21.5 Ha at S.F.No. 26/1B & 26/2A of Lackamanaickenpatti Village, Kangeyam Taluk, Tiruppur District,

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Tamil Nadu by M/S. Chettinad Morimura Semiconductor Material Private Ltd - For Environmental Clearance. (SIA/TN/MIN/164793/2020, dated: 23.07.2020).

The proposal was placed in this 313th Meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available in the website (www.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	
1.	Name of the Owner / Firm	M/s.Chettinad Morimura Semiconductor Material Private Limited No.37, Old Mahabalipuram Road Kazhipattur Village Padur Post Kancheepuram District - 603103
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Quartz & Feldspar Quarry
3.	S.F No. of the quarry site with area break-up	S. F. No. 26/1B & 26/2A
4.	Village in which situated	Lackamanaickenpatti Village
5.	Taluk in which situated	Kangeyam Taluk
6.	District in which situated	Tiruppur District
7.	Extent of Quarry (in ha.)	1.21.5ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 10 years & mining plan is for 5 years. 25,350 Tonnes ROM (9,126 Tonnes of Quartz and 6,084 Tonnes of Feldspar) for five years with ultimate depth of mining 11m [1m Top soil and 10m Pegmatite (Quartz + Feldspar)].
11.	Latitude & Longitude of all corners of the quarry site	10°53'02.3"N to 10°52'58.6"N 77°40'56.2"E to 77°40'52.7"E
12.	Topo sheet No.	58-F/09

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13.	Man power requirement per day:	14 Employees
14.	Precise Area Communication approved by the District Collector	Government letter No. 13060/MMC.1/2019-1 dated 03.02.2020.
15.	Mining plan approved by the Joint Director of Geology and Mining with date	Letter. No: 2076/MM7/2019 dated 19.03.2020.
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	R.c. No. 853/Mines/2016 Dated: 18.09.2020.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.34KLD 0.57KLD 2.25KLD 0.52KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	No electricity is required for quarry operation; the quarry working is restricted on day time only (between 8.30Am to 5.30Pm). There is no power requirement for Machinery works as it requires only diesel.
19.	Depth of Mining	11M (1m topsoil + 10m pegmatite (Quartz + Feldspar)
20.	Depth of Water table	70m-80m depth from ground level.
21.	Whether any habitation within 300m distance	There is no habitation within 300m distance
22.	Project cost	Rs.10,82,500/-
23.	EMP cost	Capital Cost – Rs.9,96,000/- Recurring Cost – Rs.14,40,000/-
24.	CER cost	Rs.5,00,000/-
25.	VAO letter dated	01.06.2020.

Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** for quantity of 25,350 Tonnes ROM (9,126 Tonnes of Quartz and 6,084 Tonnes of Feldspar) by maintaining an ultimate depth of 11m subject to the standard conditions as per the **Annexure-I** of this minutes & normal conditions stipulated


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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 No. S.O. 1807(E) Dt12.4.2022.
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 the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
4. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'mild' & 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 15 to 20 m from the blast site.
5. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
6. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.


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7. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
8. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
9. **Dust, Noise and Vibration Related:** Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed. Dust & Noise levels should be monitored regularly (on weekly basis) near the major sources of dust/noise generation within the core zone.
10. For early detection of Silicosis amongst the miners and the habitations situated within 1 km radius range of surrounding the quarry, the PP shall conduct the Medical examination atleast once in every year and Chest Radiography once in every two years and a copy of report on such medical examination conducted shall be sent to the DEE/TNPCB, IRO/MoEF & CC, Chennai, and the Director of Mines Safety, Chennai Region.
11. The PP shall provide adequate structured training and awareness programmes at regular intervals to the workers about the dust related diseases through the Vocational Training Centre located in Salem (or) Trichy after obtaining the CTO from the DEE/TNPCB and a copy of report on such training programme conducted shall be sent to the DEE/TNPCB, IRO/MoEF & CC, Chennai, and the Director of Mines Safety, Chennai Region on or before 31st December of every year.
12. No working is proposed during night time, i.e., after 5:30 pm. No lighting is allowed to spread outside quarry lease area.
13. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA/II dated:


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30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

14. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayat Union Primary School, Kavalipalayam, Vellakovil, Tiruppur before obtaining CTO from TNPCB.

Agenda No: 313-07

(File No: 7741/2021)

Proposed Rough Stone and Gravel quarry lease area over an extent of 1.29.0 Ha at S.F.No. 303/1(P) of Poomalur Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.K.V.Velusamy - For Environmental Clearance.(SIA/TN/MIN/55346/2020, dated: 21.09.2021).

The proposal was placed in this 313th Meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available in the website (www.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	
1.	Name of the Owner / Firm	Thiru.K.V.Velusamy No.2/252, Thekkala Thottam Kalivelampatti (Po) Palladam Taluk Tiruppur District
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone and Gravel Quarry & Existing Quarry (depth: 19 m)
3.	S.F No. of the quarry site with area break-up	S. F. No. 303/1(P)
4.	Village in which situated	Poomalur Village
5.	Taluk in which situated	Palladam Taluk
6.	District in which situated	Tiruppur District
7.	Extent of Quarry (in ha.)	1.29.0 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years & mining plan is

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		for 5 years. Total Excavation of 72,322 m ³ of Rough stone and 2,928 m ³ of Gravel for five years with ultimate depth of mining - 37m (2m Gravel + 35m Rough stone) Below ground level [as per approved ToR]. Annual peak production: 15,500 m ³ of Rough stone(4 th year) and 1,342 m ³ of Gravel(1 st year).
11.	Latitude & Longitude of all corners of the quarry site	11°03'00.60"N to 11°03'03.13"N 77°14'33.16"E to 77°14'38.58"E
12.	Topo sheet No.	58 - E/04
13.	Man power requirement per day:	17 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No. 145/Mines/2019, Dated: 25.02.2020.
15.	Mining plan approved by the Joint Director of Geology and Mining with date	R.C.No. 145/2019/Mines Dated: 17.03.2020.
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	R.C.No. 145/2019/Mines Dated: 17.03.2020.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.5KLD 0.5KLD 2.0KLD 1.0KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	No electricity is required for quarry operation; the quarry working is restricted on day time only (between 8.30Am to 5.30 Pm).
19.	Ultimate Depth of Mining & Bench Geometry	37m (2m Gravel + 35m Rough stone) Below ground level & Bench height: 5 m & Bench Width: not less than 5 m.
20.	Depth of Water table	62m-58m depth from ground level.
21.	Whether any habitation within 300m distance	There is no habitation within 300m distance
22.	Project cost	Rs.29,58,905/-
23.	EMP cost	Capital cost - Rs.6.41 lakhs Recurring cost - Rs.2.96 lakhs

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24.	CER cost	Rs.5,00,000/-
25.	VAO letter dated	13.03.2020.

The proposal has placed in 291st SEAC meeting held on 1.7.2022. Based on the presentation made by the proponent SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the production of 72322 m³ of Rough stone & 2928 m³ of Gravel for a period of five years with ultimate depth 37m and an Annual peak production of 15,500 m³ of Rough stone (4th year) and 1,342 m³ of Gravel (1st year), 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.
2. The proponent shall mandatorily appoint the statutory Mines Manager & other statutory competent persons including the Blaster, Mine Mate, etc in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall send the 'Notice of Opening' of the proposed quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry exceeds 30m after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.


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6. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
7. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
8. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
9. The PP shall ensure that only controlled blasting operation involving muffle blasting is carried out in the quarry with prior official permission of the Director of Mines Safety, Chennai Region after obtaining the CTO from TNPCB.
10. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.375 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) and NONEL shock tube detonators to carry out the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.


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13. 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.

14. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Govt Hr. Sec School, Poomalur, as committed, before obtaining CTO from TNPCB.

Agenda No: 313-08

(File No: 7748/2020)

Proposed Black granite quarry lease area over an extent of 12.25.0Ha at S.F.No. 1193/1(Part-11) & 1193/1(Part-12) of Kodakkal Village, Sholinghur Taluk, Ranipet District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For Environmental Clearance.(SIA/TN/MIN/80741/2020, dated: 18.07.2022).

The proposal was placed in this 313th Meeting of SEAC held on 22.09.2022.

The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	M/s.Tamilnadu Minerals Limited No.31, Kamarajar Salai, Chepauk Chennai - 600 005
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. No. 1193/1(Part-11) & 1193/1(Part-12)
4.	Village in which situated	Kodakkal Village
5.	Taluk in which situated	Sholinghur Taluk
6.	District in which situated	Ranipet District
7.	Extent of Quarry (in ha.)	12.25.0Ha
8.	Life of the Quarry	As per the mining plan, the lease period is stipulated as 20 years and life of Quarry as indicated in the approved Mining Plan is 11 Years.
9.	Type of Mining	Opencast Semi Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the total excavation details provided for the first five year of Mining plan period is for 5 years as given below:


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		10,024m ³ of Black granite & 95909 m ³ of Waste (including Granite Rejects of 90215 m ³) for five years for a depth of 40m Above ground level. The Annual peak production as per mining plan is 2013 m ³ of Black granite (5 th year).
11.	Latitude & Longitude of all corners of the quarry site	13°4'45.90"N to 13°5'2.83" N 79°24'38.74"E to 79°24'51.88" E
12.	Topo sheet No.	57 O/8, 57 O/12 & 57 P/5
13.	Man power requirement per day:	30 Employees
14.	Precise Area Communication approved by the District Collector	Letter No.3607/MME.1/2019-1,Dated 18.11.2019
15.	Mining plan approved by the Director of Geology and Mining with date	RC.No.7719/MM4/2019,Dated 14.02.2020
16.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.0KLD 1.5KLD 1.0KLD 0.5KLD
17.	Power requirement: a. Domestic purpose b. Machinery works	60 kVA will be met through 125 kVA DG Set. Diesel consumption will be 200 lits/day.
18.	Ultimate Depth of Mining	55m Above ground level.
19.	Depth of Water table	15m Depth in the Summer
20.	Whether any habitation within 300m distance	There is no habitation within 300m distance
21.	Project cost	Rs. 99.97 Lakhs (Say 1.0 Crore)
22.	EMP cost	Rs. 2,05,000/-
23.	CER cost	Rs. ,99,940/-
24.	VAO letter dated	---
25.	ToR Issued	Lr No.SEIAA-TN/F.No.7748/SEAC/ToR-814/2020 Dated:09.11.2020
26.	Public Hearing conducted on	08.06.2022

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

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total excavation includes 10,024m³ of Black granite & 95909 m³ of Waste (including Granite Rejects of 90215 m³) for five years for a depth of 40m Above ground level but restricting the ultimate pit depth of 55 m agl during the life of the quarry for an annual peak production capacity of 2013 m³ of Black granite, 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 No. S.O. 1807(E) Dt. 12.4.2022.
2. 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.
3. As accepted by the Project Proponent the revised CER cost is Rs. 2 lakhs and the amount shall be spent for Government Higher Secondary School, Porani, karur before obtaining CTO from TNPCB.
4. 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.
5. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
6. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
7. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.

8. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
9. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
10. 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.
11. 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. 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.
12. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried

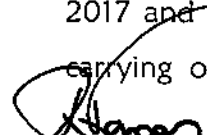

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- out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
13. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. 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.
16. 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.
17. **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.
18. 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.

19. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
20. 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.
21. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
22. 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.
23. 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.
24. 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
25. 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.
26. 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


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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.

27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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: 313-09

(File No: 9075/2022)

Proposed Rough Stone quarry over an extent of 0.80.0 Ha (Government Land) in S.F.Nos. 782A/2A (Part) of Pulivalam Village, Walajah Taluk, Vellore District by Thiru C.Arunkumar – For Environmental Clearance. (SIA/TN/MIN/259476/2022, dated 10.03.2022)

The proposal was placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru C.Arunkumar has applied seeking Environmental Clearance for the proposed Rough Stone quarry over an extent of 0.80.0 Ha (Government Land) in S.F.Nos. 782A/2A (Part) of Pulivalam Village, Walajah Taluk, Vellore District.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.


Sl. No	Details of the Proposal	
26.	Name of the Owner/Firm	Thiru C.Arunkumar S/o. Mr.Chidhambarm No.144-B,AVT Nagar , Krishapuram Pulivalam Karikkal Vellore - 631102
27.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone
28.	S.F No. Of the quarry site with area break-up	782A/2A (Part)
29.	Village	Pulivalam
30.	Taluk	Walajah
31.	District	Vellore
32.	Extent of quarry (in ha.)	0.80.0 Ha (Government Land)
33.	Period of quarrying proposed	5 Years
34.	Type of mining	Opencast, Semi-Mechanized mining
35.	Production (Quantity in m3)	As per the mining plan, the production for

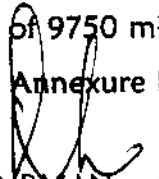

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		5 years not to exceed Rough Stone – 47,020m ³ for an ultimate depth of 46m (1m weathered rock + 45m Rough stone). The Annual peak production as per mining plan is 9750 m ³ of Rough stone (4 th year).		
36.	Depth of quarrying	41m (1m + 40m) after removing the last bench of width 10m in XY-AB section with consent of PP for safe operation.		
37.	Latitude & Longitude of all corners of the quarry site		LATITUDE	LONGITUDE
			13°4'49.34"N	79°25'40.92"E
			13°4'46.13"N	79°25'41.39"E
			13°4'45.79"N	79°25'38.75"E
			13°4'48.99"N	9°25'38.27"E
38.	Topo Sheet No.	Toposheet No. 57-O/18		
39.	Man Power requirement per day	23		
40.	Precise area communication	Rc.No.338/2019 (Mines) Dated 26.11.2019		
41.	Mining Plan	Rc.No.338/2019 (Mines) Dated 09.07.2020		
42.	500m cluster letter	Rc.No.338/2019 (Mines) Dated 15.09.2020		
43.	Water requirement	4.7kLD		
	3. Drinking & domestic purposes (in KLD)	1.2 kLD		
	4. Dust suppression & Green Belt (in KLD)	3.5 kLD		
44.	Power requirement	TNEB		
45.	Depth of water table	60m -65m		
46.	Whether any habitation within 300m distance	Nil as per VAO letter dated 20.09.2020		
47.	Project Cost (including EMP cost)	Rs.73,50,000/-		
48.	EMP cost	Capital cost - Rs.11,22,000/- Recurring cost - Rs.11,18,000/- per Annum		
49.	CER cost	Rs 4,60,000/-		
50.	VAO certificate regarding habitation within 300m radius	Letter dated: 20.09.2020		

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the ultimate depth of mining of 41m and the quantity of Rough Stone – 45,520m³ for a period of five years with the Annual peak production of 9750 m³ of Rough stone (4th year). subject to the standard conditions as per the Annexure I of

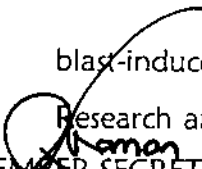

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this minutes & normal conditions stipulated by MoEF&CC, in addition to the following specific conditions:

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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the competent persons such as Blaster, Mine Mate, etc in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
6. Within one year from 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, IIT Madras, IIT (ISM), Anna


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- University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be made available to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
7. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
 8. 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 quarry touched 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, 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.
 9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
 10. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
 11. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
 12. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
 13. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal

14. 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.

15. As accepted by the Project Proponent the CER cost is Rs. 4,60,000/- and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No: 313-10

(File No: 8273/2021)

Proposed Rough Stone, Jelly and Soil quarry lease area over an extent of 2.89.0 Ha at S.F.No. 183 of Ramapuram Village, Agastheeswaram Taluk, Kanniyakumari District, Tamil Nadu by Tmt.S.Jeganakumari - For Environmental Clearance. (SIA/TN/MIN/191556/2021, dated: 25.01.2021).

The proposal was placed in this 313th Meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available in the website (www.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.

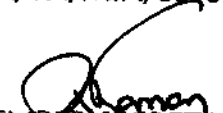
Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following details.

1. The project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the distance between the nearest R.F and the proposed quarry site.
2. The project proponent shall conduct a survey at a radial distance of 100m, 200m, 300 m and 500 m from the proposed quarry site and submit a detailed report about the existence of permanent structures/habitats and its construction details & resident's particulars.
3. Readable copy of A register.
4. Land ownership history for last 30 years in the aforesaid survey number.
5. Revised consent lease letter / consent Registered Patta copy.

Agenda No: 313-11

(File No: 8553/2021)

Proposed Rough Stone and Gravel quarry lease area over an extent of 2.57.5Ha at S.F.No. 869/1 and 869/2 of Chettipalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru.V. Manikandan- For Environmental Clearance. (SIA/TN/MIN/63168/2021, dated: 21.07.2022).


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The proposal was placed in this 313th Meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru.V.Manikandan S/o.Vellingiri No.55B, Mariyamman Kovil Street Chettipalayam Post Coimbatore-641201
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone and Gravel Quarry
3.	S.F No. of the quarry site with area break-up	S. F. No. 869/1 and 869/2
4.	Village in which situated	Chettipalayam Village
5.	Taluk in which situated	Madukkarai Taluk
6.	District in which situated	Coimbatore District
7.	Extent of Quarry (in ha.)	2.57.5ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Semi Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. 3,48,355 m³ of Rough stone and 34,746m³ of Gravel for five years with ultimate depth of mining 37m bgl (35 m Rough Stone + 2m Gravel). The Annual peak production as per mining plan is 106510 m³ of Rough stone and 14,986 m³ of Gravel.
11.	Latitude & Longitude of all corners of the quarry site	10°52'37.74" N to 10°52'46.68" N 77°02'21.47" E to 77°02'26.81" E
12.	Topo sheet No.	58 - F/01
13.	Man power requirement per day:	31 Employees
14.	Precise Area Communication	Rc.No.1536/Mines/2017, Dated:

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	approved by the District Collector	19.10.2019.
15.	Mining plan approved by the Assistant Director (i/c)/ Joint Director of Geology and Mining with date	Rc.No.1536/Mines/2017, Dated: 10.12.2019.
16.	500mts letter approved by the Assistant Director of Geology and Mining with date	Rc.No.1536/Mines/2017, Dated: 05.04.2021.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.5KLD 1.0KLD 1.0KLD 1.5KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	No electricity is required for quarry operation; the quarry working is restricted on day time only.
19.	Depth of Mining	37m bgl (35 m Rough Stone + 2m Gravel)
20.	Depth of Water table	55m -50m
21.	Whether any habitation within 300m distance	There is no habitation within 300m distance
22.	Project cost	Rs. 99,31,500/-
23.	EMP cost	Capital Cost – Rs. 13,85,000/- Recurring Cost – Rs. 19,27,700/-
24.	CER cost	Rs.5,00,000/-
25.	VAO letter dated	23.03.2021
26.	TOR Issued	Lr No - SEIAA-TN/F.No. 8553/SEAC/ToR-1010/2021 Dated: 28.07.2021
27.	Public hearing Conducted on	19.01.2022

Based on the presentation made by the proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the total production volume of 3,48,355 m³ of Rough Stone and 34,746m³ of Gravel by maintaining a ultimate depth of 37m for a period of five years and the annual peak production of 106510 m³ of Rough stone and 14,986 m³ of Gravel, 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:**

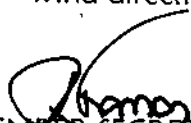

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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the competent persons such as Blaster, Mine Mate, etc in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
6. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
7. Since the habitations are located at 440 m from the boundary of mine lease area, 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, IIT Madras, IIT (ISM)-Dhanbad, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc within one year

from the commencement of mining operations. A copy of such scientific study report shall be made available to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

8. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
9. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
10. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touched 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, 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.
11. As the habitations are located nearby, the PP shall carry out only the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
12. The PP shall ensure that the blasting operations are carried out only by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.


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15. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
16. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
17. 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.
18. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent on the committed activities for Panchayat Union Primary School, Chettipalyam, Coimbatore before obtaining CTO from TNPCB.

Agenda No. 313-12

(File No. 1260/2018)

Proposed Black Granite quarry lease over an extent of 6.09.0 Ha at S.F.No.11(P) Perumbakkam Village, Vanur Taluk, Villupuram District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited for Environmental Clearance (SIA/TN/MIN/78698/2018, Dt.22.06.2022) under violation category.

The proposal was placed in this 313th Meeting of SEAC held on 30.09.2022. 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 Proponent, M/s. Tamil Nadu Minerals Limited has applied for Environmental Clearance for the proposed Black Granite quarry lease over an extent of 6.09.0 Ha at S.F.No. 11(P) Perumbakkam Village, Vanur Taluk, Villupuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to **make site inspection by the sub-committee** to be constituted by the SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the subcommittee will assess the


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ecological damage and to check the Remedial Plan & Community Augmentation Plan submitted by the PP during the inspection. On the receipt of the sub committee report, further deliberation will be carried out.

Agenda No. 313-13

(File No. 8162/2020)

Proposed Gravel quarry lease over an extent of 3.93.5 Ha at S.F.No.2432/1B2, 242/1C & 242/1D, Kurungulam (west) Village, Thanjavur Taluk, Thanjavur District, Tamil Nadu by Thiru.G.Pasupathi for Environmental Clearance. (SIA/TN/MIN/187781/2020, Dt.01.12.2020)

The proposal was placed in this 313th Meeting of SEAC held on 30.09.2022. 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 Proponent, Thiru.G.Pasupathi has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 3.93.5 Ha at S.F.No.2432/1B2, 242/1C & 242/1D, Kurungulam (west) Village, Thanjavur Taluk, Thanjavur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

During the meeting, the PP has requested the Committee for additional time to produce the details as sought by the Committee including the soil test certificate, hence SEAC decided to defer the proposal.

Agenda No: 313 – 14.

(File No. 3781/2022)

Proposed Multicolour granite (Migmatite) Quarry located at S.F No.356/1A1, 356/1A2, 356/1B2, 356/3A1, 356/3A2, 357/1A1, 357/4A1, 357/4A2, 357/5A in Chendarapalli Village, Krishnagiri Taluk, Krishnagiri District by M/s. Bannari Amman Sugars Limited, Granite Quarrying Division for Extension of validity for the Environmental Clearance (SIA/TN/MIN/214905/2021, dt:11.06.2021)

The proposal was placed in this 313th Meeting of SEAC held on 22.09.2022. 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 Proponent, Tvl. Bannari Amman Sugars Limited as applied for Extension of validity for the Environmental Clearance for the proposed Multicolour granite (Migmatite) Quarry located at S.F No.356/1A1, 356/1A2.


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- 356/1B2, 356/3A1, 356/3A2, 357/1A1, 357/4A1, 357/4A2, 357/5A in Chendarapalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
 3. EC issued vide SEIAA. Lr. No. SEIAA-TN F.No.3781/EC/1(a)/2824/2015, dt: 08.02.2016.
 4. EC Amendment issued vide SEIAA. Lr. No. SEIAA-TN/F.No.3781/EC/1(a)/2824/Amend/2015 dated 09.09.2020.
 5. The mining lease period for our above quarry is 20 years i.e. from 18.11.2002 to 17.11.2022. The mining plan read with approved mining scheme by the competent authority is also valid till 17.11.2022.
 6. Here the PP has cited the reasons of transporting about 400 m³ of Granite blocks which have been already mined out from the mine lease area for extension request made to the SEAC for the existing EC.
 7. Hence, the PP vide Lr. BASL/GQD/192/2022 Dt: 04.08.2022 has requested the Principal Secretary to Government, Industrial Department, Secretariat, Chennai – 600009 to extend the **validity of the mining lease for further one year (i.e., till 16.11.2023)** due to losses incurred during Covid-19 Pandemic as per Director of Mines safety circular No: DGMS/General Circular/o1 Dhanbad Dt: 30.03.2020.
 8. However, as per MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021 which states that *"the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid."*

In view of the above, SEAC after detailed discussion confirmed that the validity of the EC issued earlier (in 2016) is (deemed to be) extended up to another one year (i.e., up to 08.02.2023).


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AGENDA No: 313-15

(File No: 8347/2022)

Proposed Rough stone Quarry lease over an Extent of 1.29.5 Ha (Patta land) in S.F.Nos. 46/1, 46/2, 46/3, and 46/4 at Sundakkottai Village of Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.S.K.Subba Reddiar – For Environmental Clearance. (SIA/TN/MIN/60741/2021, dated 03.06.2022)


The proposal was earlier placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).


The SEAC noted the following:

1. The project proponent, Thiru.S.K.Subba Reddiar has applied seeking Environmental Clearance for the Proposed Rough stone Quarry lease over an Extent of 1.29.5 Ha in S.F.Nos. 46/1, 46/2, 46/3, and 46/4 at Sundakkottai Village of Aruppukottai Taluk, Virudhunagar District, Tamil Nadu.
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, as amended. It is an 'Existing Operated' quarry for a depth of 14 m.
3. ToR issued along with Public Hearing vide T.O Lr No.SEIAA-TN/F.No.8347/SEAC/ToR-1032/2021 Dated:26.08.2021
4. Public Hearing minutes dated: 20.04.2022
5. EIA Submitted on 09.06.2022
6. As per the mining plan, lease period is 5 years and the production for 5 years not to exceed 94,318 m³ of Rough Stone and 47,640 m³ of Topsoil for an ultimate depth of 31 m Below Ground Level. The Annual peak production as per mining plan is 19,570 m³ of Rough stone (2nd year).

Based on the presentation and the documents furnished by the Proponent, the SEAC noted that there are two excavated pits are located within the mine lease area. Hence the SEAC directed the Proponent to furnish the following details:

- (i) A letter obtained from the concerned AD/Geology & Mines detailing the quarrying operation carried out in the aforesaid two pits by removing the considerable quantity of material through exploitation of the safety zone of 7.5 m.
- (ii) The copy of last permit issued for the operation of above two pits and the details of proponents who have operated the pits.


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On receipt of the aforesaid details, the proposal will be considered for further deliberations.

AGENDA No: 313-16

(File No: 8410/2021)

Proposed Gravel and Red Soil Quarry lease over an Extent of 1.54.5Ha Ha of Patta lands in S.F.Nos. 265/1(P), 265/2, 265/3 at C.N.Palayam Village of Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.V.Manikandan- For Environmental Clearance. (SIA/TN/MIN/193586/2021, dated 18.01.2021)

The proposal was earlier placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.V.Manikandan has applied seeking Environmental Clearance for Proposed Gravel and Red Soil Quarry lease over an Extent of 1.54.5Ha Ha of Patta lands in S.F.Nos. 265/1(P),265/2,265/3 at C.N.Palayam Village of Cuddalore Taluk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.

Salient features of the Project:

Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru. V. Manikandan S/o. Vaithiyalingam No. 78/4, Sokkanathanpettai, C.N.Palayam Village, Cuddalore Taluk, Cuddalore District – 607 102
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Gravel and Red Soil
3.	S.F No. Of the quarry site with area break-up	265/1(P), 265/2 & 265/3
4.	Village	C.N.Palayam
5.	Taluk	Cuddalore
6.	District	Cuddalore
7.	Extent of quarry (in ha.)	1.54.5Ha
8.	Period of quarrying proposed	Two years
9.	Type of mining	Open-cast mechanized method is proposed without drilling and blasting

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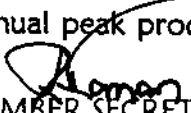
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10.	Production (Quantity in m3)	As per the mining plan, the production for 2 years not to exceed 15,890m ³ of Gravel and Red Soil for an ultimate depth of 5m Above ground level. The Annual peak production as per mining plan is 8000 m ³ of Gravel and Red Soil (1 st year).		
11.	Depth of quarrying	5m AGL		
12.	Latitude & Longitude of all corners of the quarry site		Latitude	Longitude
			11° 43' 06.61"N	79° 36' 29.65"E
			11° 43' 06.91"N	79° 36' 27.13"E
			11° 43' 05.71"N	79° 36' 27.15"E
			11° 43' 05.36"N	79° 36' 27.13"E
			11° 43' 05.39"N	79° 36' 25.37"E
			11° 43' 09.89"N	79° 36' 25.17"E
			11° 43' 09.95"N	79° 36' 29.64"E
13.	Topo Sheet No.	58-M/ 10		
14.	Man Power requirement per day	8 Nos		
15.	Precise area communication	Rc.No.213/Mines//2018, Dated: 06.11.2020		
16.	Mining Plan	Rc.No. 213/Mines/2018 Dated: 18.12.2020		
17.	500m cluster letter	Rc.No. 213/Mines/2018 Dated: 23.08.2022		
18.	Water requirement	2.0kLD		
	5. Drinking & domestic purposes (in KLD)	0.3 kLD		
	6. Dust suppression & Green Belt (in KLD)	0.7 kLD & 1.0 kLD		
19.	Power requirement	Nil		
20.	Depth of water table	46m in summer and 41m in rainy season		
21.	Whether any habitation within 300m distance	No habitations within the radius of 300m as per VAO letter		
22.	Project Cost (including EMP cost)	Rs.18,98,000/-		
23.	EMP cost	Capital Cost -Rs. 5,68,000/- Recurring Cost/Annum - Rs. 6,41,800/-		
24.	CER cost	Rs.2 Lakh		
25.	VAO certificate regarding habitation within 300m radius	Letter Dated: 08.12.2020		

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental

Clearance for the ultimate depth of mining of 5m Above ground level and the quantity of 15,890m³ of Gravel and Red Soil for a period of five years with the Annual peak production of 8000 m³ of Gravel and Red Soil (1st year) subject to the


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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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and other competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The drains should be regularly de silted and maintained properly.
6. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
7. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
8. 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. 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 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.

9. 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.
10. 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.
11. 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.
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 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.
14. **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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15. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.
16. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
17. 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.
18. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
19. The proponent shall ensure that the transportation of the quarried 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 stones; and transport of stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
20. 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.
21. 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.
22. 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.
23. 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.

24. 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.
25. 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.
26. 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.
27. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
28. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
29. That the grant of this EC 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.
30. 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.
31. 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.
32. As accepted by the Project Proponent the CER cost is Rs. 2 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCC.


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AGENDA No: 313-17

(File No: 8459/2022)

Proposed Rough stone and Gravel Quarry lease over an Extent of 3.69.72 Ha in S.F. Nos. 72/2A, 72/2B, 72/3, 72/4, 72/5, 72/7, 73/5A & 73/5B, 4/1A Sundakkottai & Kalyanasundarapuram Village of Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.T.Senthivel – For Environmental Clearance. (SIA/TN/MIN/61726/2021, dated 28.06.2022)

The proposal was placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

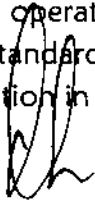
The SEAC noted the following:

1. The project proponent, Thiru.T.Senthivel has applied seeking Environmental Clearance for the Proposed Rough stone and Gravel Quarry lease over an Extent of 3.69.72 Ha in S.F. Nos. 72/2A, 72/2B, 72/3, 72/4, 72/5, 72/7, 73/5A & 73/5B, 4/1A Sundakkottai & Kalyanasundarapuram Village of Aruppukottai Taluk, Virudhunagar District.
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, as amended.
3. ToR issued along with Public Hearing vide T.O Lr No.5EIAA-TN/F.No.8459/SEAC/ToR-1002/2021 Dated: 28.07.2021
4. Public Hearing minutes dated: 20.04.2022
5. EIA Submitted on 30.06.2022
6. As per the mining plan lease period is 10 years and the production for 10 years not to exceed 4,17,600m³ of Rough stone and 42,216 m³ of Gravel for an ultimate depth of 42m (2m Gravel + 40m Rough stone) BGL.

Based on the presentation and the documents furnished by the Proponent, the SEAC noted that there is a big water body located within 70m from the mine lease area. Hence the SEAC directed the Proponent to furnish the following details:

- (i) The 'No Objection Certificate' from the Panchayat Union / PWD Department applicable to this Water body/Tank for carrying out the quarrying operations closer.
- (ii) A brief study report on the implications of having the quarry operations nearer to the water body and the other way around along with a 'Standard Operating Procedures' (SoP) laid for water ingress and water egress situation in the


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proposed quarrying operation considering the existence of the above mentioned water body.

(iii) Detailed action plan for proposed tree plantation.

On receipt of the aforesaid details, the proposal will be considered for further deliberations.

AGENDA No: 313-18

(File No: 8480/2022)

Proposed Rough stone, Jelly and Gravel Quarry lease over an Extent of 7.21.44 Ha (Patta Land) in S.F. Nos. 152/6, 151/4, 152/4B, 152/5B, 151/3, 151/1, 150/4A2, 150/4B, 150/3A, 150/3B, and 147/1C3 of Menallur and 121/2, 123/2A4B, 123/1A1, 123/1B, 123/1C, 123/1H, 123/1I, 123/1J, 123/2A1, 123/2A5, 123/2A6, 123/2B1, 123/2B2, 123/2A2, 123/2A3 and 123/A4A of Poonathangal in Menallur and Poonathangal Village of Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Shri Lakshmi Narayana Aggregates Private Limited– For Environmental Clearance. (SI/TN/MIN/61726/2021, dated 28.06.2022)

The proposal was placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s.Shri Lakshmi Narayana Aggregates Private Limited has applied seeking Environmental Clearance for the proposed Rough stone, Jelly and Gravel Quarry lease over an Extent of 7.21.44 Ha (Patta Land) in S.F. Nos. 152/6, 151/4, 152/4B, 152/5B, 151/3, 151/1, 150/4A2, 150/4B, 150/3A, 150/3B, and 147/1C3 of Menallur Village and 121/2, 123/2A4B, 123/1A1, 123/1B, 123/1C, 123/1H, 123/1I, 123/1J, 123/2A1, 123/2A5, 123/2A6, 123/2B1, 123/2B2, 123/2A2, 123/2A3 and 123/A4A of Poonathangal Village of Vembakkam Taluk, Tiruvannamalai District.
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, as amended.
3. ToR issued along with Public Hearing vide T.O Lr No.SEIAA-TN/F.No.8480/SEAC/TOR-1001/2021 Dated: 28.07.2021
4. Public Hearing minutes dated: 17.02.2022
5. EIA submitted on 20.06.2022


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6. As per the mining plan, the production for 5 years not to exceed 8,93,800 892114 m³ of Rough Stone, 95,868 m³ of Gravel and 46,526 m³ of Weathered Rock for an ultimate depth of 33 m BGL (2 m Gravel + 1m Weathered Rock + 25 m Rough Stone) but however, the depth shall not exceed 22 m in the section along C-D for a length of 56.2 m in the Year wise Development & Production 'Plan and Section' prepared for the proposed quarry.

Based on the presentation and the documents furnished by the Proponent, the SEAC noted that the quarrying operation is proposed in the catchment area of a huge water body which is located within 300m from the mine lease area and hence directed the Proponent to furnish the following details:

- (i) The 'No Objection Certificate' from the Panchayat Union / PWD Department applicable to this Water body/Tank for carrying out the quarrying operations closer.
- (ii) A brief study report on the implications of having the quarry operations nearer to the water body and the other way around along with a 'Standard Operating Procedures' (SoP) laid for water ingress and water egress situation in the proposed quarrying operation considering the existence of the above mentioned water body.
- (iii) The details of location/places where the tree plantation programme is planned for accommodating the adequate number of saplings, in the event of quarrying operation.

On receipt of the aforesaid details, the proposal will be considered for further deliberations.

AGENDA No: 313-19


(File No: 8494/2022)

Proposed Rough Stone quarry lease over an extent of 04.40.0 Ha of Government Land at S.F.No.665(Part-1), Kamandoddi Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu, by M/s.Thriveni Earth Movers Pvt Ltd – For Environmental Clearance. (SIA/TN/MIN/79170/2021, dated 28.06.2022)

The proposal was placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s.Thriveni Earth Movers Pvt Ltd has applied seeking Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 04.40.0 Ha of Government Land at S.F.No.665(Part-1), Kamandoddi Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.


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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, as amended.
3. ToR issued along with Public Hearing vide T.O Lr No.SEIAA-TN/F.No.8494/SEAC/ToR- 1055/2022 Dated: 28.01.2022
4. Public Hearing minutes dated: 02.06.2022
5. EIA Submitted on 30.06.2022.
6. As per the mining plan, lease period is 10 years and the production for 5 years shall not exceed 7,29,514 m³ of Rough stone for an ultimate depth of 42m (2m Gravel + 40m Rough stone) BGL.

Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional details

1. The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures-whether it belongs to the PP (or) not, etc.
2. The proponent shall submit the details regarding a textile industrial building which is located at a distance of 130m away from the mine lease area:
 - i. Year of installation of Textile / Garment industrial building.
 - ii. Number of people are working and working hours.
 - iii. Video / Pictures indicating the aforesaid building and its structural components.

On receipt of the above details, SEAC would further deliberate on this project and decide the further course of action.

AGENDA No: 313-20

(File No: 8620/2021)

Proposed Rough Stone Quarry lease over an Extent of 1.00.0Ha (Government land) in S.F.Nos. 173/1 (Part - 1) at Pattakurubarapalli Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.K.Srinivasa – For Environmental Clearance. (SIA/TN/MIN/217548/2021, dated 30.06.2021)


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The proposal was placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Srinivasa has applied seeking Environmental Clearance for Proposed Rough Stone Quarry lease over an Extent of 1.00.0Ha Ha in S.F.Nos. 173/1 (Part - 1) at Pattakurubarapalli Village, Hosur Taluk, Krishnagiri District.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.
3. As per the mining plan, the production for 5 years not to exceed Rough Stone – 55910m³ for an ultimate depth of 42m BGL (2m Topsoil + 40m Rough Stone).

During the meeting the PP has requested the Committee for granting additional time to produce certain details. Hence SEAC decided to defer the proposal.

AGENDA No: 313-21

(File No: 8732/2021)

Proposed Rough Stone and Jelly over an extent of 1.84.0 Hectares of Patta Lands in S.F.Nos.17/2A2 and 17/2B1 of Palakkanuthu Village, Dindigul West Taluk, Dindigul District by Thiru. S. Kannan– For Environmental Clearance. (SIA/TN/MIN/225613/2021, dated 20.08.2021)

The proposal was placed in this 313th meeting of SEAC held on 22.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

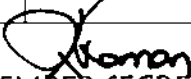
The SEAC noted the following:

1. The project proponent, Thiru. S. Kannan has applied seeking Environmental Clearance for the proposed Rough Stone and Jelly over an extent of 1.84.0 Hectares of Patta Lands in S.F.Nos.17/2A2 and 17/2B1 of Palakanuthu Village, Dindigul West Taluk, Dindigul District.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.


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Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru.S.Kannan S/o.Soundarajan No.2/566, Pillayarnatham Pithalaipatti Post Dindigul District-624002
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone & Jelly
3.	S.F No. Of the quarry site with area break-up	S. F. Nos. 17/2A2 & 17/2B1
4.	Village	Palakanuthu
5.	Taluk	Dindigul West
6.	District	Dindigul
7.	Extent of quarry (in ha.)	1.84.0 Ha (Own Patta land)
8.	Period of quarrying proposed	Five Years
9.	Type of mining	Rough Stone
10.	Production (Quantity in m3)	As per the mining plan, the production for 5 years not to exceed Rough Stone – 1,92,755m ³ . Weathered Rock- 9,438 m ³ and Top Soil - 6,462m ³ to an ultimate depth of 48m BGL (including existing depth). The Annual peak production as per mining plan is 38,495 m ³ of Rough stone (4 th year).
11.	Depth of quarrying	48m BGL
12.	Latitude & Longitude of all corners of the quarry site	10° 29' 02.18" N to 10° 29' 08.88" N 77° 47' 27.39" E to 77° 47' 33.99" E
13.	Topo Sheet No.	58-F/15
14.	Man Power requirement per day	19 Nos.
15.	Precise area communication	Rc.No. 634/2020 (Mines) dated 24.02.2021
16.	Mining Plan	Rc.No. 634/2020 (Mines) dated 18.05.2021
17.	500m cluster letter	Rc.No. 634/2020 (Mines) dated 23.07.2021
18.	Water requirement	1.5 kLD
	7. Drinking & domestic purposes (in KLD)	0.5 kLD
	8. Dust suppression & Green Belt (in KLD)	0.5 kLD
19.	Power requirement	TNEB
20.	Depth of water table	63m BGL
21.	Whether any habitation within 300m distance	Nil as per VAO letter dated 08.07.2021
22.	Project Cost (including EMP cost)	Rs. 1,33,76,000
23.	EMP cost	Capital cost : Rs. 22,90,000 Recurring cost: Rs. 49,00,000/ Annum


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24.	CER cost	Rs. 5,00,000/-
25.	VAO certificate regarding habitation within 300m radius	Letter dated: 08.07.2021

Based on the presentation made and the documents furnished by the Project proponent, SEAC have decided to recommend the proposal for the grant of Environmental Clearance for the production quantity of Rough Stone – 1,91,005m³, Weathered Rock- 9,438 m³ and Top Soil -6,462m³ to an ultimate depth of 48m BGL after removing the IV bench in XY-AB section and for a period of five years with the Annual peak production capacity of 38,495 m³ of Rough stone (4th year) 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager & other statutory competent persons including the Blaster, Mine Mate, etc in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry exceeds 30m after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
5. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The water so collected in such sump should be utilized for


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watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.

6. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
7. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
8. The PP shall ensure that only controlled blasting operation involving muffle blasting is carried out in the quarry with prior official permission of the Director of Mines Safety, Chennai Region after obtaining the CTO from TNPCB.
9. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.375 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) and NONEL shock tube detonators to carry out the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
10. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touched 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, 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.
11. Since the habitations are situated at a distance range of 480 m from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, 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-Dept of Mining Engg, 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.

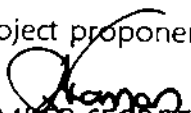
12. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. 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.
17. As accepted by the Project Proponent the CER cost is **Rs. 5 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No: 313-22

(File No: 8038/2022)

Proposed Apostolic Christian Assembly Avadi Ministry – Garden Church and Convention centre at S.F. Nos. 58/1 & 57/2 of Melpakkam Village and 16/2A & 18/1 of Veeraraghavapuram Village, Thiruverkadu Municipality, Thiruvallur District, Tamil Nadu by M/s. Apostolic Christian Assembly - For Environmental Clearance. (SIA/TN/MIS/183202/2022 Dt. 13.09.2022)

The proposal was placed in this 313rd SEAC Meeting held on 22.09.2022. The project proponent gave a detailed presentation. The details of the project furnished


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by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Apostolic Christian Assembly has applied for Environmental Clearance for the Proposed Apostolic Christian Assembly Avadi Ministry – Garden Church and Convention centre at S.F. Nos. 58/1 & 57/2 of Melpakkam Village and 16/2A & 18/1 of Veeraraghavapuram Village, Thiruverkadu Municipality, Thiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building & Construction" of the Schedule to the EIA Notification, 2006.
3. The proposal comes under violation category.


Based on the presentation & documents furnished, the PP has completed the project without obtaining EC and has also not applied during the window period, this has to be treated as violation case under SoP notified by the MoEF & CC outside the window period.

The SEAC noted that, the MoEF&CC has issued office memorandum Dated 28th January, 2022 regarding observation of Hon'ble Supreme Court with reference to the SoP dated 7th July 2021 for identification and handling of violation cases under EIA Notification 2006 and stated that "93. *The interim order passed by the Madras High Court appears to be misconceived. However, this Court is not hearing an appeal from that interim order. The interim stay passed by the Madras High Court can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras High Court. Moreover, final decision may have been taken in accordance with the Orders/ Rules prevailing prior to 7th July, 2021.*"

Based on the presentation & documents furnished, since the PP has completed the project without obtaining EC and has also not applied during the window period, this has to be treated as violation case. Hence SEAC decided to issue following Terms of Reference along with submission of assessment of ecological damage, remediation plan and natural and community resource augmentation plan, as per Notification vide S.O.804(E) Dt. 14.3.2017. Terms of Reference are issued subject to final orders of the Hon'ble High Court of Madras in the

matter W.P.(MD) No. 11757 of 2021.

1. The traffic study shall be included in the EIA Report.
2. The PP shall furnish the details of land use conversion from Nanjai land to other classification.
3. Possibilities to explore the Green Church.
4. The PP shall discuss the details of 25% of total consumption of Electricity shall be met through Solar energy in the EIA Report.
5. Copy of the village map, FMB sketch and "A" register shall be furnished.
6. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
7. The treated/untreated sewage water shall not be let-out from the unit premises accordingly revised water balance shall be incorporated.
8. As per G.O. Ms. No. 142 approval from Central Ground Water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.
9. Commitment letter from competent authority for supply of water shall be furnished.
10. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
11. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
12. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
13. Details of the Rain water harvesting system with cost estimation should be furnished.
14. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the water bodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.


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15. The proposed OSR area should not be included in the activity area. The OSR area should not be taken in to account for the green belt area.
16. The layout plan shall be furnished for the greenbelt area earmarked with GPS co ordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.
17. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
18. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
19. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modelling for the ground water, emission, noise and traffic.
20. The proposal for utilization of at least 25% of Solar Energy shall be included in the EIA/EMP report.
21. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.II dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the

Agenda No: 313-23

(File No: 9392/2022)

Proposed construction of Hospital Building at S.F.Nos : 222/2A1A, 222/1A1, in Neelagiritherukkuthottam Village, Thanjavur Taluk, Thanjavur District, Tamil Nadu by M/S. GOVEL TRUST (Aravind Eye Hospital) (SIA/TN/MIS/282500/2022 Dt. 8.7.2022)– For Environmental Clearance

The proposal was placed in this 313rd SEAC Meeting held on 22.09.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:


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1. The Project Proponent, M/S. GOVEL TRUST (Aravind Eye Hospital) has applied for Environmental Clearance for the Proposed Hospital Building .F.Nos : 222/2A1A, 222/1A1, in Neelagiritherukkuthottam Village, Thanjavur Taluk, Thanjavur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building & Construction" of the Schedule to the EIA Notification, 2006.

Details of Project

PROJECT DETAILS		
SL No	Description	Details
1)	Name of the Project proponent and address	M/s. Govel Trust Neelagiritherukkuthottam Village, Thanjavur Taluk Thanjavur District
2)	Proposed Activity	Proposed construction of Hospital
3)	Schedule No.	8(a)
4)	Project Location	
	i)Survey No	222/2A1A, 222/1A1
	ii)Revenue Village	Neelagiritherukkuthottam Village
	iii)Taluk	Thanjavur Taluk
	iv)District	Thanjavur District
	V) Latitude & Longitude	12°46'16.60"N & 80°0'33.13"E
5)	Area of the Land	Total Land Area – 30232.52 Sq.m coverage area -7870.69 Sq.m parking area-2154.81 Sq.m Plantation area-8409Sq.m OSR area-3028Sq.m Road-8769.90 Sq.m
6)	Built up Area	36883.93 Sq.m
7)	Brief description of the project The project consists of proposed hospital block (Basemt+GF+4 Floor), Housing Block(GF+7 Floor+ Head Room), Hostel Block(GF+ 5 Floor), Utility Block(GF) and Security room (GF) No.of beds-150, Hospital out patients-1700 Employees (Residential)-427 Employees(Local)- 45 Visitors-850	

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	Hospital Block-24134.75Sq.m Housing Block-4633.27Sq.m Hostel Block- 7358.55Sq.m Utility Block (Existing)-744.86Sq.m Security Room-12.50Sq.m Total builtup area- 36883.93Sq.m	
9)	Green Belt area	8409 Sq.m
10)	Parking facilities	Two wheelers-398 Nos Four Wheelers-237 Nos Parking area-3866.41 Sq.m.
11)	UTILITIES-WATER	
	Total Water Requirement	228.89 kLD
	a)Source from where the fresh water is proposed to be drawn	Local Panchayat
	i) fresh water	158.22 kLD
	iii) Toilet Flushing (Recycled Water)	70.67 kLD
	iv) Gardening (Recycled Water)	27.92 kLD
	v) OSR (Recycled Water)	15 kLD
	v) Cooling Tower (Recycled Water)	70 kLD
12)	Waste Water	
	i)Sewage	Sewage Generation – 181.19 kLD Effluent Generation – 2.4 kLD
	ii) Details of Treatment	STP capacity – 200 KLD (SBR technology)
	iii) Mode of Disposal with quantity	Treated water Flushing – 70.67 kLD Greenbelt development -27.92 kLD OSR – 15 kLD Cooling Tower-70 kLD
13)	SOLID WASTE	
	I) Municipal Solid Waste	
	i) Bio degradable -380.64 Kg/day	Disposed to Municipality
	ii) Non Bio degradable -253.76 Kg/day	Disposed to authorized recyclers
	iii) STP sludge-7Kg/day	Dried and used as manure for green belt development
	iv)Garbage waste-50 Kg/day	Disposed through Thanjavur Corporation
	v) Biomedical waste-50 Kg/day	Disposed to authorized recyclers

14)	POWER REQUIREMENT	
	i) Electricity Board	1000HP from the TANGEDCO
	ii) DG sets	1 Nos. of 250 & 500 kVA
	iii) stack Height	250 Adequate stack height of 7.5m 500 Adequate stack height of 10m
15)	Provision for rain water harvesting	No of Recharge pits -30 nos of 1.2m dia X 3.65m
16)	Project Cost	Rs. 125.89 crores
17)	EMP Cost	Operation phase Capital cost – 217.5 Lakhs Operation cost – 13.5 Lakhs per annum
18)	CER activities with the specific allocation of funds	Rs. 255Lakhs

Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of **Environmental Clearance** subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall obtain fresh water supply commitment letter and disposal of generated sewage from the competent authority before obtaining CTO.
2. The project proponent shall provide STP in adequate capacity (DEWATS 120 KLD + 80 KLD) and ETP capacity of 5 KLD. The treated water shall be utilized for flushing and green belt proposed and cooling purpose.
3. The excess treated & untreated sewage and Trade effluent shall be let-out after obtaining necessary permission from competent Authority.
4. The proponent shall obtain LEEDS Certificate.
5. The surface car parking shall be converted into MLLCP and the space shall utilized for green belt development.
6. The PP shall comply with the Bio Medical Waste Management Rules 2016 as amended and the Bio medical waste generated shall be disposed through Authorised Bio medical waste Management facilities..
7. The proponent shall dispose the organic waste through local body and non-Biodegradable waste to authorized recyclers as committed.
8. The height of the stacks of DG sets shall be provided as per the CPCB norms.


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9. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. To TNPCB before obtaining CTO.
10. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
11. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
12. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
13. 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.
14. 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
15. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. The Existing trees available in the project site shall be retained/re planted in the periphery of the project site and no trees shall be cut down from the project site.
17. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
18. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary

Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.

19. No waste of any type to be disposed off in any other way other than the approved one.
20. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
21. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
22. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
23. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
24. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
25. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
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.


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27.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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

28.As accepted by the Project Proponent the CER cost is Rs. 255 lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda - 313-TA-1

(File No: 8297/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.37.0 Ha at S.F. No. 80/1E1, 80/1E2 & 80/1E4 of Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu by Thiru.M. Ramasamy - For Environmental Clearance. (SIA/TN/MIN/ 72914/ 2020 dated 04.03.2022)

Earlier, this proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Ramasamy has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.37.0 Ha at S.F. No. 80/1E1, 80/1E2 & 80/1E4 of Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. There are three small worked out pits were operated within the leasehold area of having depth of 3m, 4m and 17m respectively during the previous lease period of 2012-2016 for which no EC is available but the quarrying operation is stopped on 12.05.2014.
4. ToR was issued in Lr No - SEIAA-TN/F.No. 8297/SEAC/ToR-958/2020, Dated: 03.05.2021.
5. Public hearing was conducted on 30.08.2021.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.M.Ramasamy S/o.Mariya Gounder Kalavai Thottam

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		Thengani, Periyakuyili Post coimbatore District-641201
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel Quarry
3	S.F No. Of the quarry site with area break-up	: 80/1E1, 80/1E2, 80/1E4
4	Village in which situated	: Pachapalayam
5	Taluk in which situated	: Sulur
6	District in which situated	: Coimbatore
7	Extent of quarry (in ha.)	: 1.37.0Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	Opencast Mechanized Method of Mining
10	Production (Quantity in m ³)	: 20,955cu.m of Rough stone & 2850cu.m of Gravel
11	Latitude & Longitude of all corners of the quarry site	: 10°52'50.73"N to 10°52'56.22"N 77°03'06.33"E to 77°03'10.97"E
12	Top Sheet No.	: 58-F/01
13	Man Power requirement per day:	20Nos.
14	Precise area communication approved by the District Collector with date	: Na.Ka.No.425/Kanimam/2019, dated: 19.02.2020
15	Mining Plan approved by the Deputy Director of Geology and Mining with date	: Roc. No.425/Mines/2019, dated: 03.08.2020
16	Water requirement: 9. Drinking & domestic purposes (in KLD) 10. Dust suppression & Green Belt (in KLD)	: 2.0 KLD 0.5KLD 1.0 KLD & 0.5 KLD
17	Power requirement: c. Domestic Purpose d. Industrial Purpose	TNEB 58,296Liters of HSD
18	Depth of quarrying	: 33m (30m of Rough stone & 3m of Gravel)
19	Depth of water table	: 70m-65m
20	Whether any habitation within 300m distance	: No
21	Project Cost (excluding EMP cost)	: 38.54 Lakhs
22	EMP cost	: 3.80 Lakhs
23	CER cost	: 5.0 Lakhs
24	AD mines 500m cluster letter	Roc. No.425/Mines/2019, dated: 20.10.2020
25	VAO certificate regarding 300m radius cluster	V.A.O Letter dt.19.09.2020
26	Tor issued	Lr. No. SEIAA-TN/F.No.8297/SEAC/ToR-958/2020, dated: 03.05.2021
27	Public hearing	21.01.2022
28	EIA Received	14.03.2022


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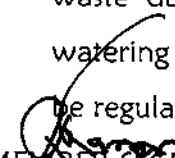

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Based on the presentation and documents furnished by the project proponent, SEAC decided to ask for the following additional details from the PP.

- (i) Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Kannamadaï R.F from the proposed quarry site.

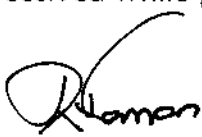
The PP has furnished the DFO letter (for one of cluster subject file 8553) which indicate the distance of nearest RF available. This proposal has again been placed in 313rd SEAC meeting held on 22.9.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for grant Environmental Clearance.

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 & other statutory competent persons including the Blaster, Mine Mate, etc in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry exceeds 30m after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
5. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.


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6. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
7. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
8. The PP shall ensure that only controlled blasting operation involving muffle blasting is carried out in the quarry with prior official permission of the Director of Mines Safety, Chennai Region after obtaining the CTO from TNPCB.
9. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.375 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) and NONEL shock tube detonators to carry out the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
12. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
13. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.


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14. 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.
15. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent on the committed activities for Panchayat Union Primary School, Chettipalyam, Coimbatore before obtaining CTO from TNPCB.


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


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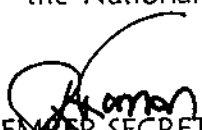
7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Project Proponent shall 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, Tamilnadu.
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 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.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements 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.
13. **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.

14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. 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.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
17. 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.


18. 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.
19. 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.
20. 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.
21. 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.
22. The project proponent shall ensure that the provisions of the MMRD, 1956, 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.
23. 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.
24. 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.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting


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the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.

26. 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.
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. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this minute.


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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	விலவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Manthara	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattunna	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butor montasperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Borax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரககொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetena</i>	Purasamaram	புரசு மரம்
16	<i>Codilopernum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichroma</i>	Naruvul	நருவுல்
18	<i>Cordia allamoni</i>	Mavalingum	மாணிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SuruUva, Sitruzha	சீறு உசா
21	<i>Diospyre ebenum</i>	Karungali	கருங்காலி
22	<i>Diospyre schloroxylon</i>	Vagana	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயில்
27	<i>Lannea coromandelica</i>	Odhiam	ஒத்யம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila marani	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	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	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestris</i>	Eachai	ஏச்சமரம்
39	<i>Pongamia pinnata</i>	Pungam	பங்கம்


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40	<i>Premna mollissima</i>	Munna	முன்னை
41	<i>Premna serratifolia</i>	Narumunai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Varu maram	வள்ளி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu Tada	வேண்ணாங்குது
46	<i>Pterospermum xylocarpum</i>	Polaru	பலவு
47	<i>Putranjiva roxburghii</i>	Kanpala	கற்பாலை
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan Soapukai	மணிப்பங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Strobilus asper</i>	Pirav maram	பிராட மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia bellieria</i>	Thandri	தாண்டி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvaratu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Psithocellium dulce</i>	Kodukkapuli	கொடுக்காப்பூர்


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Appendix -II

Display Board (Size 6' x5' with Blue Background and White Letters)

சுரங்கம்

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

பகைம பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்.
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை	காங்கப்பாறையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டாக்கு மிகமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இனரச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பகைம பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுரங்க பறக்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இனரச்சல் அளவு 85 டெசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்காதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைடை 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 கிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்காத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் காங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடைபூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைமப்பகுதியை உருவாக்க வேண்டும்.	
முடிபட்டான நிபந்தனைகளை அறிய பாரிவேஷம் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கே சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325, அல்லது தமிழ்நாடு மாகாண கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	


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