

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 323rd meeting of the State Expert Appraisal Committee (SEAC) held on 20.10.2022 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: 323-01

(File No: 6230/2022)

Proposed Limestone Mine Lease over an extent of 4.67.0 Ha at S.F.No S.F. Nos. 6/4, 8/3, 8/4A, 8/4B, 8/5A, 8/5B, 8/5C, 8/5E, 8/6A, 8/6B, 8/6C, 8/7 & 8/8 Karuppursenapathy Village, Ariyalur Taluk & District, Tamil Nadu by Thiru. S.Saravanan – For Environmental Clearance (SIA/TN/MIN/78958/2018 dated 24.6.2022)- under violation category.

The proposal was placed in 323rd meeting of SEAC held on 20.10.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. S.Saravanan has applied for Environmental Clearance for the proposed Limestone Mine Lease over an extent of 4.67.0 Ha at S.F.No S.F. Nos. 6/4, 8/3, 8/4A, 8/4B, 8/5A, 8/5B, 8/5C, 8/5E, 8/6A, 8/6B, 8/6C, 8/7 & 8/8 Karuppursenapathy Village, Ariyalur Taluk & 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.
3. TOR issued under violation category vide SEIAA-TN/F.No.6230/TOR-535/2018 dated 30.07.2018.
4. Public hearing conducted on 17.05.2022.
5. ML - GO 14720/MM1/04 dated 21.12.2005 for 20 Years (07.02.2006 to 06.02.2026)
6. ML Validity as per MMDR Amendment Act from 07.02.2006 to 06.02.2056
7. Review of Mining Plan & Progressive Mine Closure Plan Approval vide IBM, Chennai Letter No. TN/ALR/LST/ROMP-1599.MDS dated 21/22.09.2020 (ROMP Period 2021-22 to 2025-26)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Basic Features of Quarry mined out during Violation and Under Proposal

1.	Type of quarrying	Limestone Quarry															
2.	Extent of Quarry (in ha.)	4.67.0 ha															
3.	Validity of Mining Plan Period of Quarrying proposed	upto 06.02.2056															
4.	Review of Mining Plan/Scheme for the period	2021-2022 to 2025-2026															
5.	Violation Period	15.01.2016 to 31.07.2016															
6.	Type of Mining	Opencast Method – fully mechanized															
7.	Production (Quantity in tonnes) Details	As per mining plan, the lease period is 20 years (07.02.2006 to 06.02.2026). However, the mining plan is valid for the period of 50 years under the recent MMDR Amendment Act 2017. According to the Mining Plan, the mine was operated in producing 2,75,701 tonnes of ROM against the Mineable reserves quantity of 6,47,392 tonnes of ROM (Production achievement of 42.59%) as on date. As per the Review of Mining Plan, the proposed production should not exceed the annual peak production capacity of 47,013 tonnes of Limestone with 1196 tonnes of Kankar with an ultimate depth of mining 18 m below ground level.															
8.	Status on Quarrying Operations	<table><tr><td>Mineral/OB</td><td>Bench Height</td><td>Bench Width</td><td>Bench Slope</td></tr><tr><td>Limestone</td><td>4 m</td><td>6 m</td><td>60°</td></tr><tr><td>Kankar</td><td>1 m</td><td>2 m</td><td>45°</td></tr></table> <p>Stripping ratio: 1:0 No Drilling & Blasting: Only Rock Breakers/Rippers will be used for rock breakage. Conventional Equipment system with Excavators (Back hoe/FEL) & trucks. No Overburden dumps.</p>				Mineral/OB	Bench Height	Bench Width	Bench Slope	Limestone	4 m	6 m	60°	Kankar	1 m	2 m	45°
Mineral/OB	Bench Height	Bench Width	Bench Slope														
Limestone	4 m	6 m	60°														
Kankar	1 m	2 m	45°														
9.	Statutory Man power	20 Employees															
10.	Fencing installation	Fixed as per the DGMS requirements.															
11.	Provision of Garland drainage	Provided.															

12.	Green belt development	Moderately developed.
13.	Depth of Mining	Present depth: 13 m bgl Ultimate depth: 18 m bgl
14.	Depth of Ground Water table	35m depth below ground level.
15.	Whether any habitation within 300m distance	There are no approved habitations within the radius of 300m.
16.	Nearest village	1.5 km
17.	Nearest Waterbodies	Riever: 2.6 km; Odai: 1.0 km.
18.	Nearest Highways/roads	National highway: 750 m
19.	EMP cost	Capital cost - 5,00,000/- Recurring cost - 15,32,000/-

Based on the aforesaid presentation and documents on Ecological Damage cost & Augmentation Plans furnished by the project proponent, after detailed deliberations, SEAC decided to make on site inspection by the sub committee to be constituted by SEAC for assessing the ecological damage and to suggest the cost of remedial measures to be imposed as per the MoEF & CC Notification – S.O.804(E), dated. 14.03.2017. On the receipt of the same further deliberations will carried out.

Agenda No: 323-02

(File No: 7663/2021)

Proposed Rough Stone & Gravel quarry Lease over an extent of 2.13.0 Ha at S.F.No. 926/3A (P), 927/1 & 928/3 in Chettipalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. S.Sandosh Mallaiya – For Environmental Clearance

(SIA/TN/MIN/54344/2020 dated 30.10.2021)

The proposal was placed in 323rd meeting of SEAC held on 20.10.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. S.Sandosh Mallaiya has applied for Environmental Clearance for the proposed rough stone & gravel quarry lease over an extent of 2.13.0 Ha at S.F.No. 926/3A (P), 927/1 & 928/3 in Chettipalayam Village, Madukkarai Taluk, Coimbatore 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.
3. The salient features of the project are as follows:

Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.S.Sandosh Mallaiya No.12/1B, Malliyan Garden Sree Lakshmi Nagar Kovaipudur Coimbatore District – 641 042
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	: 926/3A(P), 927/1 and 928/3
4	Village in which situated	: Chettipalayam
5	Taluk in which situated	: Madukkarai
6	District in which situated	: Coimbatore
7	Extent of quarry (in ha.)	: 2.13.0 Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast Mechanised Mining
10	Production (Quantity in m ³)	: 192160m ³ of rough stone & 18300 m ³ of gravel
11	Latitude & Longitude of all corners of the quarry site	: 10°52'22.27"N to 10°52'27.68"N 77°01'55.90"E to 77°02'03.29"E
12	Topo Sheet No.	: 58-F/01
13	Man Power requirement per day:	: 21 Employees
14	Precise area communication approved by the District Collector with date	: Letter No. Rc.No.470/mines/2019 dated:18.11.2019
15	Mining Plan approved by Assistant Director (i/c)/ Joint Director, Dept. of G&M with date	: Rc.No.470/mines/2019 dated:10.12.2019
16	Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt	: 7.0 KLD 0.7 KLD 5.4 KLD 0.9 KLD
17	Power requirement:	: 1,56,778 Liters of HSD for the entire project life
18	Depth of quarrying	: Existing depth: 12 m; Ultimate depth: 27m (2m gravel+25m rough stone)


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC -TN

19	Depth of water table	: 50-55m
21	Project Cost (excluding EMP cost)	: 81,44,500 /-
22	EMP cost	: Capital cost:15,90,500/- Recurring cost : 18,75,400/-
23	CER cost	5 Lakhs
24	500m cluster letter issued by Assistant Director (i/c)/ Joint Director, Dept. of G&M with date	Rc.No.470/mines/2019 dated:10.12.2019
25	Details of existing quarries furnished by Assistant Director (i/c)/ Joint Director, Dept. of G&M with date	Rc.No.470/mines/2019 dated:10.12.2019
25	VAO certificate regarding 300m radius cluster	Furnished
26	Location of nearest habitations	650 m
27	Details of Tor issued	Lr No.SEIAA-TN/F.No.7663/SEAC/ToR-786/2020 Dated:06.10.2020
28	Public Hearing	03.09.2021
29	EIA Received	01.11.2021

4. 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 1,92,160 m³ of Rough stone & 18,300 m³ of gravel with an ultimate depth of 27m below ground level.

Based on the presentation and documents furnished by the project proponent, after detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 1,92,160 m³ of Rough stone & 18,300 m³ of gravel with an ultimate depth of 27m below ground level and not exceeding the Annual Peak Production capacity of 39,905m³ of Rough stone and 8052 m³ of Gravel, 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:


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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.
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 showing the same before obtaining the CTO from TNPCB.
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) before obtaining the CTO from TNPCB.
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 furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient and leaving adequate mandatory space for HT line, before obtaining CTO from TNPCB.
8. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on 'Impacts of the blasting operations carried out in the quarry on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai Dept of

- Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A scientific study report shall be submitted to the SEIAA, M AD/Mines-DGM and DMS, Chennai as a part of Environmental Com
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 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 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 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.
 14. 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.
 15. 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.
 16. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards the Government Higher Secondary School, Chettipalayam for the activities as committed, before obtaining CTO from TNPCB.

Agenda No.323 – 03.

(File No. 7677/2021)

Proposed Multi-coloured Granite Quarry over an extent of 2.86.5Hectare at S.F.No: 11/3F, 12/4C, 12/5B, 12/5C, 12/5D & 12/5E of Veeriyampalayam Village,


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Krishnarayapuram Taluk, Karur District, Tamil Nadu by Thiru.K.Deivendran - For Environmental Clearance. (SIA/TN/MIN/53110/2021 dated 16.11.2021)

The proposal was placed for appraisal in 323rd meeting of SEAC held on 20.10.2022. 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 of Thiru.K.Deivendran has applied for Environmental Clearance Proposal for quarrying of Multi-coloured Granite Quarry over an extent of 2.86.5 Hectare at S.F.No: 11/3F, 12/4C, 12/5B, 12/5C, 12/5D & 12/5E of Veeriyampalayam Village, Krishnarayapuram Taluk, Karur 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.
3. The lease period is for 20 years.
4. The area where the granite quarry is proposed was earlier part of 'Old Rough stone' quarry which was granted lease to Tmt S. Shanti for a period of five years vide District Collector Proceedings Rc.B.244/G&M/2009, dated. 05.2.2010 and the lease period was valid upto 21.02.2015.
5. However, during the course of inspection by the then AD (Mines) on 30.11.2010, it was discovered that the rock type available in this area is export worthy and also can be used for dimensional stone, the quarry lease was cancelled vide Collector's Proceedings Rc.B.263/G&M/2010, dated. 01.12.2010 and then the applicant intends to quarry multi coloured Granite.
6. As requested by the Commissioner of Geology and Mining letter vide Rc. No. 373/2011/MM2, dated. 12.05.2017, the reported area for re-estimating the reserves after deducting the reserves of the 'Old Stone Quarry' pit having an average dimension of 52 m x 78 m x 5.80 m (depth).
7. Vide the Inspection Proceedings of AD (Geology and Mining) Karur, dated. 12.08.2017, it was revealed that the Reserves quarried in the 'Old Stone Quarry' pit has been estimated as 23525 m³ and reserves were re-estimated as 1.84.0 x 10,000 x 15 m (Depth) = 2,76,000 m³.
8. Hence, the PP had applied for obtaining the EC in 2019 and after having completed the required studies under ToR issued in 2020 for the Granite

quarrying, presented the proposal for the EC. As per the new Mining Plan approved by the competent authority on 18.12.2019, the production for 5 years not to exceed the ROM quantity of 104262 m³ which includes the recovered Granite of 41,705 m³ & Waste of 62,557 m³, top soil of 5700 m³ and weathered rock of 9064 m³. However, the annual peak production of granite recovery is to be maintained as 8376 m³ (1st year).

9. As per the mining plan, the proposed bench height is 6m.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. K. Deivendran S/o. Karuthiah Thevar No.4/143, Lake Area, Uthangudi, Madurai District, Tamil Nadu - 625107
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Multi-Colour Granite
3	S.F No. Of the quarry site with area break-up	: 11/3F, 12/4C & 12/5B, 12/5C, 12/5D, 12/5E
4	Village in which situated	: Veeriyampalayam
5	Taluk in which situated	: Krishnarayapuram
6	District in which situated	: Karur
7	Extent of quarry (in ha.)	: 2.86.5 Ha
8	Period of quarrying proposed	: 20 years & First Five Year Plan was submitted and approved by the Director of Geology and Mining on 18.12.2019.
9	Type of mining	: Opencast Semi - Mechanised Mining
10	Total Excavation (Quantity in m ³)	: Total ROM of 104262 m ³ which includes Granite Recovery @40% of 41,705 m ³ , Mineral Waste @ 60% of 62,557 m ³ ; top soil of 5700 m ³ and weathered rock of 9064 m ³ ; Annual Peak Production Capacity -ROM of 20940 m ³ which includes 8376 m ³ of recovered Granite and 12564 m ³ of Mineral Waste (5 th year)
11	Latitude & Longitude of all corners of the quarry site	: 10°52'40.75"N to 10°52'50.21"N 78°17'03.72"E to 78°17'07.85"E

12	Topo Sheet No.	: 58-J/05
13	Man Power requirement per day:	43 Employees
14	Precise area communication approved by the Principal Secretary to Govt. with date	: Letter No.306/MMB.2/2019-1, dated 05.08.2019
15	Mining Plan approved by the Director of Geology and Mining with date	: Rc.No.8564/MM2/2018, dated 18.12.2019
16	Water requirement: 5. Drinking & domestic purposes KLD) 6. Dust suppression 7. Green Belt	: 3.5 KLD 1.5 KLD 1.0 KLD 1.0 KLD
17	Source of water	: Water vendors and existing bore wells
18	Power requirement:	166,816 Liters of HSD
19	Depth of quarrying	: 36 m BGL
20	Depth of water table	: 56-54m
21	Project Cost (excluding EMP cost)	: 48.99 Lakhs
22	EMP cost	: Capital cost – Rs.17,23,000 Recurring cost – Rs.16,19,000
23	CER cost	10 Lakhs
24	500m cluster letter issued by Deputy Director, G&M with date	Rc. No. 742/Mines/2018, dated: 02.03.02020
25	VAO certificate regarding 300m radius	17.02.2020
26	Tor issued	Lr No.SEIAA-TN/F.No.7677/SEAC/ToR-769/2020 Dated:06.10.2020
27	Public Hearing	27.08.2021

Based on the presentation and documents furnished by the project proponent, **SEAC** decided to recommend the proposal for the grant of Environmental Clearance quantity of total ROM quantity of 104262 m³ which includes Granite Recovery @40% of 41,705 m³, Mineral Waste@ 60% of 62,557 m³; top soil of 5700 m³ and weathered rock of 9064m³ and not exceeding the Annual Peak Production capacity of 20940 m³ of ROM quantity which includes 8376 m³ of Recovered Granite and 12564 m³ Waste & 6768 m³ of weathered rock upto an ultimate depth of 36m subject to the standard


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by 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. 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).
4. The proponent is requested to prepare & furnish the Standard Operating Procedure for using Diamond Wire Saw Cutting & Cranes in the proposed Granite Quarry before obtaining CTO.
5. 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.
6. 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.
7. 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.
8. 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.

9. 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.
10. 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.
11. 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).
12. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
13. 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.
14. 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.

15. 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.
16. 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.
17. 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.
18. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing
19. 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.

20. **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.
21. 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.
22. 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.
23. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
24. 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.
25. 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 co density.

26. To ensure safety measures along the boundary of the quarry s guards are to be posted during the entire period of the mining of
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.

33. 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.
34. 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.
35. All the commitments made by the proponent during the Public Hearing, as per the minutes of Public Hearing should be implemented in total.
36. 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.
37. As accepted by the Project Proponent the revised CER cost is Rs. 10 lakhs and the amount shall be spent for Panchayat Union Primary School, Vellalappatti, Krishnarayapuram Taluk, Karur before obtaining CTO from TNPCB.

Agenda No: 323-04

(File No: 8023/2020)

Proposed Black Granite Quarry lease over an extent of 0.76.0Ha at S.F.No.132/1A, 132/1B, 132/1C & 132/1D of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Tmt.Mohana Gopinath (Legal Heir of Late.Thiru.A.Gopinath) -For Environmental Clearance. (SIA/TN/MIN/179439/2020, Dt: 17.10.2020)

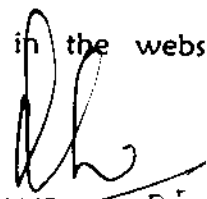
The proposal was placed for appraisal in 323rd meeting of SEAC held on 20.10.2022.

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

The SEAC noted the following:

Details of project furnished by the proponent are available in the website (parivesh.nic.in).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The SEAC noted the following

1. The Project Proponent, Tmt.Mohana Gopinath (Legal Heir of Late.Thiru.A.Gopinath) has applied for Environmental Clearance for the Black Granite Quarry lease over an extent of 0.76.0Ha at S.F.No.132/1A, 132/1B, 132/1C & 132/1D of Karandapalli Village, Denkanikottai Taluk, Krishnagiri 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.
3. The quarry lease was granted in G.O. (3D) No.44, Industries (MMB3) Department Dated 26.03.2004 for a period of 20 years. The lease deed was executed on 14.06.2004. The lease deed will expired on 13.06.2024. The quarrying operation commenced after getting the Government order.
4. The mining plan is approved by Director, Geology and Mining, Chennai Vide Roc. No. 1049/MM2/2003 Dated 01.03.2004. However, the quarry is being operated with 'Deemed Mining Plan' & "Deemed Review of Scheme" under MCDR.
5. However, the Earlier EC was issued to the project vide Lr.No.SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,
".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".
6. Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 12.03.2021 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.
7. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and

having the Approved Mining Plan valid till 08.11.2025 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that

"...The mining plan once approved shall be valid for the entire duration of the lease:....."

8. The quarry operation was carried out till May 2017 after obtaining the necessary 'Legalized Permit' from the office of the Dy. Director (Geology & Mining) to extract & transport the blocks of Black Granite from the quarry.
9. As the quarry was non-operative from May 2017 to 18th May 2020 and the validity period of EC had expired on 14.02.2021, the quarry had been left with 1081 cbm of Black Granite remaining under the EC granted in 2016. Hence the PP had made a request for Extension of EC for the extraction of the remaining quantity.
10. Further, the PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the quarrying operation on hold even though the permit was available to operate the quarry after May 2020.

Here, the SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating 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....."*

Hence, the validity of the EC issued earlier in 2016 is deemed to be valid upto 28.02.2022.

11. Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 12.03.2022 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under

MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.

12. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 08.11.2025 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that

"...The mining plan once approved shall be valid for the entire duration of the lease:....."

13. Here, the Cauvery (North) Wild Life Sanctuary is located at a distance of 2.50 km west from the quarry lease site.

14. However, due to the notified Cauvery North Wildlife Sanctuary, the quarrying operation was suspended from May 2017 to May 2020 for obtaining the NBWL clearance from the Competent Authority due to MOEF draft notification as the buffer zone for Cauvery Wild Life Sanctuary was falling within 10 kms from the quarry.

15. Now, the PP has submitted NOC from Wildlife Warden, Hosur Forest Extension vide Proc. No.6526/2017/L Dated: 04.10.2019 in regard to Cauvery North Wildlife Sanctuary based on PCCF & CWLW Ref.no. WL5(A)/42997/2017 Dt:25.09.2019. Earlier, the quarry operation was stopped from 01.05.2017 to 31.05.2020 due to non-availability of NBWL clearance.

16. During Presentation the PP has informed the following.

- a) The PP has submitted death certificate of applicant and legal heir certificate
- b) Application for review of scheme of mining plan was submitted on 01.04.2019.
- c) In regard to approval of review of scheme of mining plan by Commissioner of Dept. Of Geology & Mining,

The sub-rule of (5) & (6) of Rule No.11 (Mining plan to be submitted by the existing lessee) & as follows:

(5) The Regional Controller or the officer authorised in this

behalf by the State Government, as the case may be, shall, within a period of 90 days from the date of receipt of the mining plan or the modified mining plan, convey approval or disapproval to the applicant and in case of disapproval shall also convey the reasons for disapproving the said mining plan or the modified mining plan.]

(6) If no decision is conveyed within the period stipulated under sub-rule (5), the mining plan or the modified mining plan, as the case may be, shall be deemed to have been provisionally approved and such approval shall be subject to the final decision whenever communicated.

The sub-rule of (3) (4) & (5) of Rule No.12 (review of mine plan) of Mineral Conservation and Development Rules, 1988 states

(3) The scheme of mining shall be submitted to the Regional Controller 1 [or the officer authorised in this behalf by the State Government, as the case may be,] at least one hundred twenty days before the expiry of the five years period, for which it was approved on the last occasion.

(4) The Regional Controller or the authorised officer 2 [or the officer authorised in this behalf by the State Government, as the case may be,] shall convey his approval or refusal to the scheme of mining within ninety days of the date of its receipt.

(5) If approval or refusal of the scheme of mining is not conveyed to the holder of the mining lease within the stipulated period the scheme of mining shall be deemed to have been provisionally approved and such approval shall be subject to final decision whenever communicated.

17. At present, the mining plan is valid until 2024 & the production should not exceed the quantity of ROM – 5,935m³ (Recovery @30% of Black Granite =1480 m³ & Waste/ reject @ 70% = 3455 m³). The ultimate depth of mining upto 30m BGL.

Sl. No.	Details of the Proposal		
1	Name of the Owner/Firm	:	Tmt.Mohana Gopinath (Legal Heir of Late.Thiru.A.Gopinath) Medumuthukottai Balathottanapally Post Denkanikottai Taluk Krishnagiri District
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Black Granite
3	S.F No. Of the quarry site with area break-up	:	132/1A, 132/1B, 132/1C & 132/1D
4	Village in which situated	:	Karandapalli
5	Taluk in which situated	:	Denkanikottai
6	District in which situated	:	Krishnagiri
7	Extent of quarry (in ha.)	:	0.76.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	12°28'28.13"N to 12°28'31.72"N 77°42'32.25"E to 77°42'37.04"E
9	Topo Sheet No.	:	57- H/11
10	Type of mining	:	Opencast Semi-Mechanized Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	Total Excavation of 24668 m ³ which includes 7400 m ³ of Recovered Black Granite & 17268 m ³ of Mineral Waste, 3384 m ³ of Top soil and 340 m ³ of side burden with annual peak production capacity of 5935m ³ of ROM.
13	Depth of quarrying	:	30m BGL
14	Depth of water table	:	50m-45m BGL
15	Man Power requirement per day:	:	33 Nos.
16	Source of Water Requirement	:	water vendors & Existing Borewell
17	Water requirement: 8. Drinking & domestic purposes (in KLD) 9. Dust suppression, Green Belt &Wet Drilling (in KLD)	:	5.0 KLD 0.5 KLD 1.5 KLD 1.0 KLD 2.0 KLD
18	Power requirement	:	TNEB
19	Whether any habitation within 300m	:	No

	distance		
20	Precise area communication approved by the, Industries Department, with date	:	G.O. (3D) No.41 Industries (MMB3), Dated:18.03.2004,
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.1047/MM3/2003, Dated: 01.03.2004
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.126/2021/Mines, dt: 15.02.2021
23	VAO certificate regarding 300m radius cluster		Letter dt: 28.03.2016
24	Project Cost (excluding EMP cost)	:	Rs.27 Lakh
25	EMP cost	:	Rs.6.25 Lakhs
26	CER cost		Rs.5 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safety aspect the ultimate depth of mining upto 30m BGL and Total Excavation of 24668 m³ which includes 7400 m³ of Recovered Black Granite & 17268 m³ of Mineral Waste, 3384 m³ of Top soil and 340 m³ of side burden but not exceeding the annual peak production capacity of 5935m³ of ROM and 340 m³ of side burden for a period of upto 13.06.2024 (or) the expiry of the lease period whichever is earlier, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall furnish certified Compliance report before obtaining before obtaining CTO from TNPCB.
3. 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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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.

4. 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.
5. Although the PP had operated the quarry with the transport permits obtained from the office of AD (Mines) legally till May 2017 and now he had obtained NBWL Clearance from the competent authority, the PP shall pay an amount of Rs. 2 lakhs towards the failure of the proponent to comply with the aforesaid specific condition as laid in the EC for '*not obtaining prior clearance from NBWL before the commencement of mining operations*', by depositing it into the account of 'Environment Management Agency of Tamil Nadu (EMAT)', Department of Environment and Climate Change, Govt of Tamil Nadu before obtaining the extension of validity of EC from the authority.
6. 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 Metalliferrous Mines Regulations, 1961.
7. 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).
8. The proponent is requested to prepare & furnish the Standard Operating Procedure for using Diamond Wire Saw Cutting & Cranes in the proposed Granite Quarry before obtaining CTO.
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. No change in basic mining proposal 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.

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.
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.
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.
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 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 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.
 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 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
 22. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
 23. The project proponent shall ensure that the provisions of the 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.
 24. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.

25. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
26. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
27. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
28. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
29. 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.
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. 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.
32. 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.

33. As accepted by the Project proponent the CER cost is Rs. 1.00 lakhs and the amount shall be spent for the Panchayat Union Middle School, Pudupattu Village as committed, before obtaining CTO from TNPCB.

34. 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.

35. As accepted by the Project Proponent, Rs. 5 lakhs shall be remitted to DFO, Krishnagiri and the amount shall be spent for doing conservation activities in the Cauvery (North) Wild Life Sanctuary before obtaining CTO from TNPCB.

Agenda No: 323-05

(File No: 8084/2020)

Proposed Rough stone project over an extent of 1.76.0Ha in S.F.Nos. 505, 506/2 at Madukkarai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Tmt.P.Vasanthi- For Environmental Clearance.(SIA/TN/MIN/ 58594/2020 dated: 16.08.2022)

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The details of the project furnished by the proponent are given in the website(www.parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt.P.Vasanthi has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.76.0ha at S.F.Nos 505, 506/2 of Madukkarai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued vide - Lr No -SEIAA-TN/F.No. 8084/SEAC/ToR-916/2020 Dated: 16.03.2021.
4. Public hearing was conducted on Dated 19.04.2022.

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

1. The PP shall furnish certified compliance report obtained from the IRO/MoEF & CC, Chennai (or) the concerned DEE/TNPCB.

2. The PP shall revise Production Plan & Section for restricted depth of 37m showing the realignment of bench while maintaining atleast 10 m width for the existing single highwall benches.

Agenda No: 323-06

(File No: 8135/2021)


Proposed Earth Quarry lease over an extent of 0.16.52Ha at S.F.No.98/2 (P) of Kuilam Village, Chengam Taluk, Thiruvannamalai District, Tamil Nadu by Thiru.K.Kumar - For Environmental Clearance. (SIA/TN/MIN/ 187344/2020, Dt: 09.12.2020)

The proposal was placed for appraisal in 323rd meeting of SEAC held on 20.10.2022. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Kumar has applied for Environmental Clearance for the Proposed Earth Quarry lease over an extent of 0.16.52Ha at S.F.No.98/2 (P) of Kuilam Village, Chengam Taluk, Thiruvannamalai 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.
3. Under G.O. (MS). No. 95 Dated: 09.05.2022 Industries (MMC.2) Department and as per rule 12 (2-A) (f) of the Tamil Nadu Minor Mineral Concession Rules, 1959, permission is granted for a period not exceeding three months for quarrying silt, savudu and gravel from the beds of tank under the control of Public Works Department or Rural Development and Panchayat Raj Department for other than bonafide domestic or agricultural purposes. Considering the issues faced by the National Highways Authority of India/ State Highways Department etc., while implementing their projects in Tamil Nadu, the Government have decided to give permits for a period not exceeding one year in Government lands.

Sl. No.	Details of the Proposal
---------	-------------------------


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

1	Name of the Owner/Firm	: Thiru.K.Kumar S/o.Kannan Naidu Thalavanaickenpettai Chengam Taluk Thiruvannamalai District - 606 701
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Earth
3	S.F No. Of the quarry site with area break-up	: 98/2 (P)
4	Village in which situated	: Kuilam
5	Taluk in which situated	: Chengam
6	District in which situated	: Thiruvannamalai
7	Extent of quarry (in ha.)	: 0.16.52Ha
8	Latitude & Longitude of all corners of the quarry site	: 12°20'03.53"N to 12°20'04.50"N 78°47'55.17"E to 77°22'55.15"E
9	Topo Sheet No.	: 57L-15
10	Type of mining	Opencast Mechanized Shallow Mining
11	Period of quarrying proposed	: 3 Months
12	Production (Quantity in m³)	: 1500m³ of Earth
13	Depth of quarrying	: 0.908m BGL
14	Depth of water table	: 30-35m BGL
15	Man Power requirement per day:	5 Nos.
16	Source of Water Requirement	water vendors & Existing Borewell
17	Water requirement: 10. Drinking & domestic purposes (in KLD) 11. Dust suppression, Green Belt & Wet Drilling (in KLD)	: 1.0 KLD 0.4 KLD 0.1 KLD 0.5 KLD
18	Power requirement a. Domestic Purpose b. Industrial Purpose	TNEB 250 Liters of HSD
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the, District Collector, with date	: Roc.No.134-1/Kanimam/2017, Dated: 22.12.2018,
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Rc.No.134-1/Kanimam/2017, Dated: 25.03.2019
22	Deputy Director, Department of Geology and Mining 500m cluster letter	Rc.No.133/Kanimam/2017, Dated: 24.11.2020.
23	VAO certificate regarding 300m radius cluster	Letter dt: 27.01.2021

24	Project Cost (excluding EMP cost)	:	Rs.1.095 Lakh
25	EMP cost	:	Capital Cost Rs.2.33 Lakhs Recurring cost Rs. 2.53 Lakhs
26	CER cost		Rs.1.00 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for not exceeding period of 3 months following the legal provisions as stipulated under Tamil Nadu Minor Mineral Concession Rules for the quantity of 1500m³ of Earth only with the ultimate depth of mining upto 0.908m BGL subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. 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.
2. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
3. 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 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.
4. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

5. 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.
6. 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.
7. 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.
8. 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.
9. **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.
10. 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.
11. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
12. 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.

13. 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
14. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2018 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.
15. 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) by the proponent without fail.
16. 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.
17. 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.
18. 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.
19. 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 project proponent.

2.The

20.The mining lease holders shall, after ceasing mining re-grassing the mining area and any other area v disturbed due to their mining activities and restore t which is fit for growth of fodder, flora, fauna etc.

21. 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.

22.As accepted by the Project proponent the CER cost is Rs. 1.00 lakhs and the amount shall be spent for the Panchayat Union Middle School, Pudupattu Village as committed, before obtaining CTO from TNPCB.

Proposed CER activities committed before SEAC for the Panchayat Union Middle School, Pudupattu Village

1. Providing environmental related books to library.
2. Carrying out plantation in the school ground 100 Nos.
3. Providing R.O water unit to class room.

Agenda No.323 – 07.

(File No. 8212/2021)

Proposed Rough Stone, Jelly & Gravel Quarry lease over an extent of 0.87.0Ha at S.F.No.660/1 (P) of Kodaganallur Village, Tirunelveli Taluk, Tirunelveli District, Tamil Nadu by Tmt.K.Muthupappa - For Environmental Clearance. (SIA/TN/MIN/189846/2020, Dt: 05.01.2021)

The proposal was placed for appraisal in 323rd meeting of SEAC held on 20.10.2022. 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 of Tmt.K.Muthupappa has applied for Environmental Clearance Proposal for quarrying of Rough Stone, Jelly & Gravel Quarry lease over an extent of 0.87.0Ha at S.F.No.660/1 (P) of Kodaganallur Village, Tirunelveli Taluk, Tirunelveli District, Tamil Nadu.

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

3. Precise area communication period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 75480Cu.m of Rough Stone, 1645 Cu.m of Gravel, & 6534 cu.m. of Weathered Rock. The annual peak production 17235Cu.m of Rough Stone(1st Year). The ultimate depth – **34m BGL**.

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

1. Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest reserve forest/protected areas/wild life sanctuary/ bird sanctuaries from the proposed quarry site.
2. As no provision has been made to show the safety berm, possessing atleast the dimension of bench width fulfilling the legal provisions of MMR 1961, in the weathered rock and rough stone strata, the PP shall furnish a revised mining plan & sections approved by the AD (Geology & Mining) indicating proper bench geometry and fencing photographs.
3. Certified compliance report obtained from IRO, Chennai/MoEF & CC (or) the Concerned DEE/TNPCB.

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

Agenda No: 323 - 08


(File No: 8303/2021)

Proposed Red Gravel & Ordinary Stone Quarry Project over an Extent of 4.55.0Ha (Patta Land) in SF No.295/2A, 295/2B, 295/2D, Keelaramanadhi Village, Kamuthi Taluk, Ramanathapuram District, Tamil Nadu by Thiru.M.Karthik - For Environmental Clearance. (SIA/TN/MIN/76719/2019 Dt.09.05.2022)

The proposal was placed for appraisal in 171st, 203rd, 209th, 257th SEAC meeting. The details of the minutes are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.M.Karthik has applied for Environmental


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Clearance for the Proposed Red Gravel & Ordinary Stone Quarry Project over an Extent of 4.55.0Ha (Patta Land) in SF No.295/2A, 295/2B, 295/2D, Keelaramanadhi Village, Kamuthi Taluk, Ramanathapuram 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.
3. The PP has issued with ToR vide. Lr No.SEIAA-TN/F.No.8303/SEAC/ToR-954/2021 dated 03.05.2021 for 12m Ordinary stone & 2m gravel) 14m BGL.
4. Precise area communication period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 319531 Cu.m of Ordinary Stone, & 68840 Cu.m of Red Gravel.The ultimate depth – 14m BGL

Based on the presentation and documents furnished by the project proponent, SEAC noted that public hearing is yet to be conducted. Hence, SEAC decided that PP should complete all the prescribed process and submit the EIA report for taking up appraisal of the proposal.

Agenda No: 323-09

(File No: 8401/2021)

Proposed of Grey Granite Quarry lease over an extent of 1.10.0Ha in S.F.Nos.373/1A, 373/1B(P) of Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Thiru.B.Syednazar Babulal - Environmental Clearance (SIA/TN/MIN/77119/2021 Dt. 21.05.2022)

The proposal was placed in this 323rd meeting of SEAC held on 20.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.B.Syednazar Babulal has applied for Environmental Clearance for the Proposed of Grey Granite Quarry lease over an extent of 1.10.0Ha in S.F.Nos.373/1A, 373/1B(P) of Chendarapalli Village, Bargur Taluk, Krishnagiri 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.
3. TOR issued vide Letter No. SEIAA -TN/F.No.8401/SEAC/TOR-982/2021, Dated: 05.07.2021.
4. Minutes of Public Hearing Conducted on 20.04.2022.
5. Lease granted as per Precise area communication period is for a period of 20 years under Rule 19-A of the Tamil Nadu Minor Mineral Concession Rules, 1959.

Sl. No.	Details of the Proposal
1.	Name of the Owner/Firm Thiru.B.Syednazar Babulal S/o.Babulal No.114, Jagadevipalayam Village & Post Bargur Taluk Krishnagiri District-635203
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite) Grey Granite Quarry
3.	S.F No. Of the quarry site with area break-up 373/1A, 373/1B(P)
4.	Village in which situated Chendarapalli
5.	Taluk in which situated Bargur
6.	District in which situated Krishnagiri
7.	Extent of quarry (in ha.) 1.10.0Ha
8.	Latitude & Longitude of all corners of the quarry site 12°29'33.04" N to 12°29'37.77"N 78°18'10.76"E to 78°18'16.25"E
9.	Topo Sheet No. 58H-14
10.	Type of mining Opencast Semi-Mechanized Mining
11.	Period of quarrying proposed 5 years
12.	Production (Quantity in m ³) The production for 5 years as per mining plan shall not exceed 21430 m ³ of ROM which includes 7500 m ³ of Recovered Grey Granite, 13390 m ³ of Granite Waste, 8662 m ³ of Weathered Rock and 4736 m ³ of Topsoil. However, the Annual

		peak production as per mining plan is 4410 m ³ of ROM (3 rd year) which includes 1543 m ³ of Grey Granite (3 rd year), & 2867 m ³ of Granite Waste (3 rd year) and weathered rock of 4686 m ³ & 2664 m ³ of Top soil with maintaining the ultimate depth 23m BGL.
13.	Depth of quarrying	23m below ground level
14.	Depth of water table	62-64m BGL
15.	Man Power requirement per day:	34 Nos.
16.	Source of Water Requirement	water vendors
	Water requirement:	5.0 KLD
	12. Drinking & domestic purposes (in KLD)	2.0KLD
	13. Dust suppression, Green Belt &Wet Drilling (in KLD)	3.0 KLD
17.	a. Power requirement	TNEB
18.	Whether any habitation within 300m distance	No
19.	Precise area communication approved by the, District Collector, with date	Industries (MME.2) Department, Letter No.10145/MME.2/2020-1, dated: 07.01.2021
20.	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	Roc. No.5403-1/MM4/2020, dated: 12.02.2021
21.	Assistant Director, Department of Geology and Mining 500m cluster letter	Roc. No.1161/2018/Mines, dated: 19.02.2021
22.	VAO certificate regarding 300m radius cluster	Letter dated: 23.08.2022
23.	Project Cost (excluding EMP cost)	212.04 Lakhs
24.	EMP cost	3.80 Lakhs
25.	CER cost	7.5 Lakhs
26.	ToR Issued details	Tor Issued letter No. SEIAA-TN/F. No.8401/SEAC/ToR-982/2021, Dated:05.07.2021.
27.	Public Hearing Details	Public hearing conducted on: 20.04.2022
28.	EIA Report Received	EIA received on : 06.06.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the period of **5 years** for the ultimate depth of mining upto **23m BGL** and the total excavation as per mining plan shall not exceed 21430 m³ of ROM which includes 7500 m³ of Recovered Grey Granite, 13390 m³ of Granite Waste, 8662 m³ of Weathered Rock and 4736 m³ of Topsoil. However, the Annual peak production shall be maintained as 4410 m³ of ROM which includes 1543 m³ of Grey Granite, & 2867 m³ of Granite Waste and weathered rock of 4686 m³ & 2664 m³ of Top soil with maintaining the ultimate depth 23m BGL. subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O; 1807(E) dated 12.04.2022.
2. The 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.
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 showing the same before obtaining the CTO from TNPCB.
4. 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) before obtaining the CTO from TNPCB.
5. Since the quarry is located near the habitations, 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.

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 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 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.
8. 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.
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.
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.
12. 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.
13. 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.
14. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
 15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
 16. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
 17. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
 18. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
 19. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
 20. 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.

21. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease. The same shall be informed to the District AD/DD (Geology and Mining) and District Environmental Engineer (TNPCB) by the proponent without fail.
22. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
23. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
24. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
25. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
26. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. 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.

29. 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.

30. 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.

31. As accepted by the Project proponent the CER cost is Rs. 7.5 lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.

Proposed CER activities committed before SEAC
<ol style="list-style-type: none">1. Developing Facilities such as Water Purifier, Fan, Cot and Bed to the Chendarapalli Dispensary.2. Developing facilities such as Water Purifier and Computer facilities to the Govt. School.

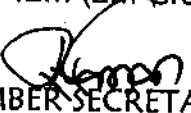
Agenda No: 323-10

(File No: 8446/ 2022)

Proposed Rough stone and gravel quarry over an extent of 3.11.0 Ha in S.F.No. 54/2,54/3,70/4,70/5A1,70/5A2,70/2B,70/6,70/7&70/8 at Sundakkottai & Aladipatti Village, Aruppukottai Taluk, Viruthunagar District, Tamil Nadu by Tmt.R.Subashini - For Environmental Clearance. (SIA/TN/MIN/ 61692/ 2021 dated: 10.03.2021)

The SEAC noted the following:

1. The project proponent, Tmt.R.Subashini has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry over an extent of 3.11.0 Ha in S.F.No. 54/2,54/3,70/4,70/5A1,70/5A2,70/2B,70/6,70/7&70/8 at Sundakkottai & Aladipatti Village, Aruppukottai Taluk, Viruthunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the lease period is for 5 years. The production for the five years states that the total quantity of recoverable should not exceed 2,96,445 cu.m of Rough stone, 35,044 cu.m of Gravel with an ultimate depth of mining is 42m (2m Gravel + 40m Rough Stone) below ground level.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN

4. ToR was issued vide Lr.No.SEIAA-TN/F.No.8446/SEAC/ToR-1005/2021 dated 28.07.2021.
5. Public hearing was conducted on 20.04.22.

Based on the presentation and the documents furnished by the Proponent, the SEAC noted that there is a water tank located at 100m 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 at a distance of 50 m for ascertaining the implications of quarrying operations.
- (ii) A brief study report on the implications of having the quarry operations nearer to the water body and along with a 'Standard Operating Procedure' (SoP) laid for water ingress and water egress situation in the 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: 323-11


(File No: 8590/2020)

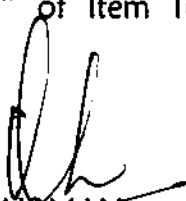
Proposed Rough Stone quarry lease over an extent of 1.00.0Ha at S.F.No.394(Part-1) of Muthusamipuram Village, Rajapalayam Taluk, Virudhunagar District, Tamil Nadu by Thiru.M.Sundaramoorthi- Environmental Clearance (SIA/TN/MIN/216396/2021, Dt: 25.06.2021)

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

The SEAC noted of the following:

1. The Project Proponent, Thiru.M.Sundaramoorthi has applied for Environmental Clearance for the Proposed Rough Stone quarry lease over an extent of 1.00.0Ha at S.F.No.394(Part-1) of Muthusamipuram Village, Rajapalayam Taluk, Virudhunagar 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. Precise area communication period is 10 years. The mining plan is for the period of 5 years & the production should not exceed 64365 Cu.m of Rough Stone. The annual peak production 14190 Cu.m of Rough Stone(4th Year). The ultimate depth – 25m BGL.

The proposal was placed in the 323rd meeting of SEAC held on 20.10.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

Agenda No: 323-12

(File No: 8597/2021)

Proposed Earth Quarry lease over an extent of 1.21.00Ha (Patta Land) at S.F.No.738/2 & 738/3 of Odaipatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru.P.Kalaimani _____-For Environmental Clearance.(SIA/TN/MIN/217037/2021, dt: 29.06.2021)

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

The SEAC noted the following:

1. The Project Proponent, Thiru.P.Kalaimani_ has applied for Environmental Clearance for the Proposed Earth Quarry lease over an extent of 1.21.00Ha at S.F.No.738/2 & 738/3 of Odaipatti Village, Uthamapalayam Taluk, Theni 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.
3. Precise area communication period is 11 Months. The mining plan is for the period of 11Months & the production should not exceed 5415 Cu.m of Earth. The ultimate depth – 1m BGL.

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

Agenda No: 323-13

(File No: 8605/2022)

Proposed Rough Stone & gravel quarry lease over an extent of 2.83.0 Ha at S.F.Nos. 18/1A(Part), Anjankattalai Village, Alangulam Taluk, Tenkasi District, Tamil Nadu by Thiru.S.Nizar Ahammad -For Environmental Clearance (SIA/TN/MIN/ 216013 /2021 dated: 02.07.2021)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The proposal was placed in this 323rd meeting of SEAC held on 20.10.2022. 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.S.Nizar Ahammad has applied for Environmental Clearance for the proposed Rough Stone & gravel quarry lease over an extent of 2.83.0 Ha at S.F.Nos. 18/1A(Part) of Anjankattalai Village, Alangulam Taluk, Tenkasi 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.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 4,09,190 cu.m of Rough stone & 99,965 cu.m of Gravel. The annual peak production is 83,600 cu.m of rough stone (2nd Year) & 39,615 cu.m of Gravel (1st year).
The ultimate depth is 35m BGL.

Based on the presentation and document furnished by the project proponent, SEAC noted that the quarry was earlier operated by the lessee of the PP and for the violation noticed penalty was paid by PP. SEAC, therefore, decided the PP should disclose details of the past history of the quarry.

Agenda No: 323-14

(File No: 8646/2021)

Proposed Rough Stone quarry lease over an extent of 0.80.0Ha at S.F.No.121(Part-4) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru.P.Radhakrishnan - For Environmental Clearance . (SIA/TN/MIN/217238/2021, dt: 18.07.2021)

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

The SEAC noted the following:

1. The Project Proponent, Thiru.P.Radhakrishnan has applied for Environmental Clearance for the Proposed Rough Stone quarry lease over an extent of 0.80.0Ha at S.F.No.121(Part-4) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of

mineral of the Schedule to the EIA Notification, 2006.

3. Precise area communication period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 74600 Cu.m of Rough Stone. The annual peak production 15100 Cu.m of Rough Stone(3rd & 4th Year). The ultimate depth – 46m (26m AGL & 20m BGL).

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

Agenda No: 323-15

(File No: 8672/2020)

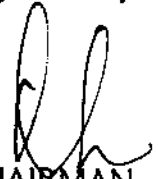
Proposed Rough stone and Gravel quarry project over an extent of 3.68.0 Ha in S.F.Nos. 162/9, 162/10B, 163/5, 163/6, 163/10C, 163/12, 163/13A, 163/13B, 163/13C, 163/13D, 163/13E, 163/13F, 163/14A, 181/1D1, 181/1D2, 181/1E1, 181/1E2, 181/1E3, 117/14 and 117/15 at Kundiyanthandalam & Poonathangal Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by Thiru.K.Moorthy- For Environmental Clearance.(SIA/TN/MIN/ 66083/2020 dated: 16.08.2022)

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The details of the project furnished by the proponent are given in the website(www.parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Moorthy has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 3.68.0 ha at S.F.Nos 162/9, 162/10B, 163/5, 163/6, 163/10C, 163/12, 163/13A, 163/13B, 163/13C, 163/13D, 163/13E, 163/13F, 163/14A, 181/1D1, 181/1D2, 181/1E1, 181/1E2, 181/1E3, 117/14 and 117/15 of Kundiyanthandalam & Poonathangal Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 1,36,800m³ of Rough stone and 38,404m³ of Gravel with an ultimate depth of Mining 32m(2m Gravel + 30m Rough stone) below ground level.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


4. ToR issued vide - Lr No -SEIAA-TN/F.No.8672/SEAC/ToR-1066/2022 Dated: 01.03.2022.
5. Public hearing was conducted on Dated 24.06.2022.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	Thiru.K.Moorthy S/o.Kannaiyan No.299, Mandabam Junction Arpakkam Kancheepuram -631603
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	162/9, 162/10B, 163/5, 163/6, 163/10C, 163/12, 163/13A, 163/13B, 163/13C, 163/13D, 163/13E, 163/13F, 163/14A, 181/1D1, 181/1D2, 181/1E1, 181/1E2, 181/1E3 of 117/14 and 117/15
4	Village in which situated	Kundiyanthandalam and Poonaitthangal Village
5	Taluk in which situated	Vembakkam Taluk
6	District in which situated	Tiruvannamalai District
7	Extent of quarry (in ha.)	3.68.0Ha
8	Latitude & Longitude of all corners of the quarry site	12°43'53.51"N to 12°44'01.45"N 79°42'54.86"E to 79°43'05.68"E
9	Topo Sheet No.	57 P/10
10	Type of mining	Opencast Mechanized of Mining
11	Period of quarrying proposed	5 years
12	Production (Quantity in m ³)	As per the mining plan, the lease period is for 10 years. The production for 10 years not to exceed 1,36,800m ³ of Rough stone and 38,404m ³ of Gravel with an ultimate depth of Mining 32m (2m Gravel + 30m Rough stone)below ground level .The annual peak production as per mining plan is 33,350m ³ of rough stone (5 th year) and 13,732m ³ of Gravel (3 rd year).
13	Depth of quarrying	32m (2m Gravel + 30m Rough stone)
14	Depth of water table	57m-52m BGL
15	Man Power requirement per day:	21 Employees
17	Water requirement: 14. Drinking & domestic	4.0 KLD 1.0 KLD

	purposes (in KLD) 15. Dust suppression , 16. Green Belt (in KLD)	2.0 KLD 1.0 KLD
18	Power requirement a. Domestic Purpose b. Machinery Purpose	TNEB 2,25,440 Liters of HSD for entire project Life.
19	Whether any habitation within 300m distance	No
20	Precise area communication approved by the Deputy Director, Department of G&M	RC.No.627/Mines/2021, dated:12.07.2021
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	RC.No.627/Mines/2021, dated:23.07.2021
22	Deputy Director, mines 500m cluster letter	RC.No.627/Mines/2021, dated: 23.07.2021.
23	VAO certificate regarding 300m radius cluster	Letter dated: 22.07.2021
24	Project Cost	RS.62.85 Lakh
25	EMP cost	RS.7.60 Lakh
26	CER cost	5 Lakhs
27	ToR issued	Lr No -SEIAA-TN/F.No.8672/SEAC/ToR-1066/2022 Dated:.01.03.2022.
28	Public hearing conducted on Dated	24.06.2022.

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total production of 1,25,925m³ of Rough Stone (restricted considering safety parameters) and 38,404m³ of gravel with an ultimate depth of mining 32m below ground level for a period of five years and the annual peak production of 33,350m³ of rough stone (5th year) and 13,732m³ of Gravel (3rd 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, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

2. Mine manager and other statutory competent persons such as geologist shall be appointed before the commencement of mining operations. The provisions of Mines Act 1952 and Metalliferous Mines Regulation Act 1923 shall be followed.
3. The PP shall inform the notice of opening of the quarry to the District Collector, Safety/Chennai Region before obtaining the CTO.
4. 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) before obtaining the CTO from TNPCB.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based '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 20 m from the blast site.
7. Since a village is located at a distance of 800 m from the proposed quarry, the PP shall carry out the scientific studies within one year of the commencement of mining operations on 'Impacts of the blasting operations carried out in the quarry on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
8. 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.
9. 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 30 m below

and 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.

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 directly employed by him/her 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.
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 Government Higher Secondary School, Melanur, Vembakkam, Tiruvannamalai before obtaining CTO from TNPCB.

Agenda No: 323-16

(File No: 8765/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 2.15.5Ha at S.F.No.255/2, 255/7 & 258/2 of Karadikudi Village, Anaicut Taluk, Vellore District, Tamil Nadu by Thiru.K.Munusamy - For Environmental Clearance.(SIA/TN/MIN/222997/2021, 07.08.2021).


MEMBER SECRETARY
SEAC -TN

50


CHAIRMAN
SEAC -TN

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

The SEAC noted the following:

1. The project proponent, Thiru.K.Munusamy has applied seeking Environmental Clearance for the Rough Stone & Gravel quarry lease over an extent of 2.15.5Ha at S.F.No.255/2, 255/7 & 258/2 of Karadikudi Village, Anaicut Taluk, Vellore 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.
3. Precise area communication period is 10 years. The mining plan is for the period of 5 years & the production should not exceed 205275 Cu.m of Rough Stone & 18728 Cu.m of Gravel. The annual peak production 41610 Cu.m of Rough Stone(3rd Year). The ultimate depth – 26m AGL.

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

Agenda No: 323-17

(File No: 8772/2021)

Proposed Quartz & Feldspar quarry lease over an extent of 1.27.0Ha at S.F.No.334/1(P) of Lakkumanaickenpatti Village, Kangeyam Taluk, Tiruppur District, Tamil Nadu by Thiru.R.Chinnasamy - For Environmental Clearance.

(SIA/TN/MIN/227840/2021, Dt: 04.09.2021)

The proposal was placed in this 323rd Meeting of SEAC held on 20.10.2022. 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.R.Chinnasamy has applied for Environmental Clearance for the Proposed Quartz & Feldspar quarry lease over an extent of 1.27.0Ha at S.F.No.334/1(P) of Lakkumanaickenpatti Village, Kangeyam Taluk, Tiruppur 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.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN

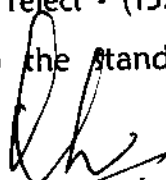
3. The precise area communication was issued for the period of 10 years. The approved mining plan is for the period of five years & production should not exceed ROM – 86876 Tonnes, 60813 Tonnes of Mineral Recovery(70%) - 42569 Tonnes of Quartz & 18244 Tonnes of Feldspar and 26,063Tonnes of Mineral reject (30%) - (13244 Tonnes of Topsoil, &12745 Tonnes of Side Burden). The annual peak production is 8871 m³ of Quartz (4th year), & 3802 m³ of Feldspar (4th Year). The ultimate depth is 13m BGL.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.R.Chinnasamy M/s.Omega Minerals, Proprietor Old No.1, New No.8/60, 61 Court Veethi Dharapuram Road Kangeyam Taluk Tiruppur District-638701
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Quartz & Feldspar
3	S.F No. Of the quarry site with area break-up	: 334/1(P)
4	Village in which situated	: Lakkumanaickenpatti
5	Taluk in which situated	: Kangeyam
6	District in which situated	: Tiruppur
7	Extent of quarry (in ha.)	: 1.27.0Ha
8	Latitude & Longitude of all corners of the quarry site	: 10°54'04.53"N to 10°54'09.25"N 77°38'59.82"E to 77°39'03.12"E
9	Topo Sheet No.	: 58 – F/09
10	Type of mining	: Opencast Mechanized Mining Method
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m ³)	: ROM – 86876 Tonnes 60,813 Tonnes of Quartz & 26,063 Tonnes of Feldspar. The annual peak production is 8871 Tonnes of Quartz (4 th year), & 3802 Tonnes of Feldspar (4 th Year). The ultimate depth is 13m

		BGL.
13	Depth of quarrying	: 13m
	Bench Geometry	Bench Height-3 m; Bench width-5m; Bench slope - 60°
14	Depth of water table	: 55m-50m BGL
15	Man Power requirement per day:	14 Nos.
16	Source of Water Requirement	water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	: 2.0 KLD 0.5 KLD 1.0 KLD 0.5 KLD
18	Power requirement	TNEB
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the, Industries Department, with date	: Lr.No.1485/MMC.1/2021-1, dt:26.02.2021
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Rc.No.126/MM7/2021, dt:28.07.2021
22	Deputy Director, Department of Geology and Mining 500m cluster letter	Rc.No.1179/2020/Mines, dt:17.03.2021
23	VAO certificate regarding 300m radius cluster	Letter dt: 09.08.2021
24	Project Cost (excluding EMP cost)	: Rs.37.94 Lakh
25	EMP cost	: Capital Cost - Rs.13.22 Lakhs Recurring Cost - Rs.14.69 Lakhs
26	CER cost	Rs.7 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safety aspect the ultimate depth of mining upto 13m BGL and the quantity of ROM -86876 Tonnes which includes 60,813 Tonnes of Quartz & 26,063 Tonnes of Feldspar with maintaining the annual peak production of 8871 Tonnes of Quartz & 3802 Tonnes of Feldspar and 26,063 Tonnes of Mineral reject - (13244 Tonnes of Topsoil, &12745 Tonnes of Side Burden), subject to the standard


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The 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 send the statutory personnel employed in the mines for the initial (or) periodical medical examinations (PME) as required under the provisions of the Mines Rules, 1955 before obtaining the CTO.
4. The PP shall depute the statutory personnel employed in the mines to undergo the mandatory Vocational Training as required under the provisions of the Mines Vocational Rules, 1961 in the MVTC, Salem before obtaining the CTO.
5. 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.
6. 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 showing the same before obtaining the CTO from TNPCB.
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) before obtaining the CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

8. Perennial maintenance of haulage road/village / Pa' done by the project proponent as required in concerned Govt. Authority.
9. The PP shall carry out the shallow depth Jack ha. (34 mm dia & 1.5 m depth) & only NONEL initiation 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 20 m from the blast site.
10. The PP shall not use the electrical detonators to initiate sequence of holes as well as for firing of blast rounds at any situation in the proposed quarries without the prior permission of Director of Mines Safety, Chennai.
11. The PP shall carry out the scientific studies within one year of the commencement of mining operations on 'Impacts of the blasting operations carried out in the quarry on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
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 EMP furnished.

5. As accepted by the Project proponent the CER cost is Rs. 7 lakhs and the amount shall be spent for the Panchayat Union Primary School, Kavalipalayam, Vellakovil, Tiruppur as committed, before obtaining CTO from TNPCB.

Proposed CER activities committed before SEAC for the Panchayat Union Primary School, Kavalipalayam, Vellakovil, Tiruppur	
1.	Renovation of existing toilets.
2.	Providing environmental related books.
3.	Carrying out plantation in the school ground.
4.	Renovation of class room roof.
5.	Providing R.O water unit.

Agenda No: 323-18

(File No: 9303/2022)

Proposed Red Earth quarry lease over an extent of 1.82.5Ha at S.F.No.223/2 of Irulveli Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Thiru.R.Ahamed Dhas - For Environmental Clearance. (SIA/TN/MIN/276432/2022, 03.06.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru.R.Ahamed Dhas has applied seeking Environmental Clearance for the Red Earth quarry lease over an extent of 1.82.5Ha at S.F.No. 223/2 of Irulveli Village, Kadaladi Taluk, Ramanathapuram 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.
3. Precise area communication period is 1 year. The mining plan is for the period of 1 year & the production should not exceed 29340 Cu.m of Red Earth. The ultimate depth – 2m bgl.

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. Based on the presentation and the documents furnished by the Proponent, the SEAC directed the Proponent to furnish the following details:

- (i) Mineral composition of soil collected at the site in the presence of by the EIA Coordinator following the protocol for soil collection and the result to be certified by the concerned AD (Geology & Mining).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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

Agenda No: 323-19

(File No: 9370/2022)

Proposed Rough Stone quarry lease area over an extent of Extent 2.33.90 Ha at SF.No. 79/1,79/3,81/1,81/2 & 82/2, Pudukalani Village, Ulundurpettai Taluk, Viluppuram District, Tamil Nadu by Thiru J Venkatesan - For Environmental Clearance. (SIA/TN/MIN/281288/2020 Dt. 02.07.2022)

The proposal was placed for appraisal in this 323rd meeting of SEAC held on 20.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru J Venkatesan has applied for Environmental Clearance for the proposed Rough Stone quarry lease area over an extent of Extent 2.33.90 Ha at SF.No. 79/1,79/3,81/1,81/2 & 82/2, Pudukalani Village, Ulundurpettai Taluk, Viluppuram 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.


The EIA Coordinator requested to postpone and reschedule the meeting. Hence, the proposal was not taken up for appraisal.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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

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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சளம், ஆனைக்குன்றிமணி
3	<i>Albizia lebbeck</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மத்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரக மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansoni</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	அற்றுப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiyam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிளிப்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	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 sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Appendix –II

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

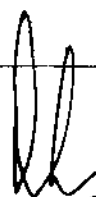
-----கரங்கம்

கரங்கங்களில் சுவாமி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/____, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகலம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	சுவாமிநின் எல்லைவரை சுற்றி வேலி அமைக்க வேண்டும். கரங்கப்பாளையத்தின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். கரத்தில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
தட்ப்பாடு பராமதிக்கப்பட்ட வேண்டிய மரங்கள் எண்ணிக்கை:	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீர் முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இளைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக சுவாமிநின் எல்லையை சுற்றி அடர்த்தியான பகலம் பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் நெடி வைக்கும்பொழுது நிலத்திலுள்ள ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கரங்கத்தில் இருந்து ஏற்படும் இளைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
கரங்க சட்ட விதிகள் 1986ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கைதாழ்முள்ள கழிப்பறை வசதிகளை செப்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலைவரை தொடர்ந்து நன்கு பராமதிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி தீர்நிலைகள் தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகலம்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் (http://pariveshin.in) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எத்தனை சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

The following inadvertent error was noted in the minutes of 323th meeting of SEAC held on 20.10.2022 and the same is corrected as follows.

Agenda & File No.	Page No.	As stated in Minutes	May be read as
Agenda No. 323-09 (File No. 8401/2022)	36 & 38	<u>S.No.12 (Production Quantity in m³) & SEAC recommendation:</u> 13390 m ³ of Granite Waste	<u>S.No.12 (Production Quantity in m³) & SEAC recommendation:</u> 13930 m ³ of Granite Waste


Chairman,
SEAC-TN

The following inadvertent error was noted in the minutes of 323th meeting of SEAC held on 20.10.2022 and the same is corrected as follows.

Agenda & File No.	Page No.	As stated in Minutes	May be read as
Agenda No. 323-17 (File No. 8772/2021)	52 & 53	<p><u>S.No.12 (Production Quantity in m³) & SEAC recommendation:</u></p> <p>The quantity of ROM --86876 Tonnes which includes 60,813 Tonnes of Quartz & 26,063 Tonnes of Feldspar with maintaining the annual peak production of 8871 Tonnes of Quartz & 3802 Tonnes of Feldspar and - (13244 Tonnes of Topsoil, & 12745 Tonnes of Side Burden).</p>	<p><u>S.No.12 (Production Quantity in m³) & SEAC recommendation:</u></p> <p>The quantity of ROM – 86876 Tonnes including mineral recovery(70%) - 60813 Tonnes (42569 Tonnes of Quartz & 18244 Tonnes of Feldspar), Mineral reject (30%) - 26,063 Tonnes, Topsoil - 13244 Tonnes, & Side Burden - 12745 Tonnes) and the annual peak production shall not exceed 8871 m³ of Quartz & 3802 m³ of Feldspar.</p>


Chairman,
SEAC-TN