

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 330th meeting of the State Expert Appraisal Committee (SEAC) held on 17.11.2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No. 330-01

File No: 8668/2022

Proposed Rough stone quarry lease area over an extent of 1.40.0 Ha at S.F.Nos. 284/2A1 (P) & 284/2A2 (P) Iduvai Village, Tiruppur South Taluk, Tiruppur District, Tamil Nadu by Thiru.K.Balasubramaniam - For Environmental Clearance (SIA/TN/MIN/401296/2022 Dt.18.11.2022)

The proposal was placed for appraisal in this 330th meeting of SEAC held on 17.11.2022. 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.Balasubramaniam has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.40.0 Ha at S.F.Nos. 284/2A1 (P) & 284/2A2 (P) Iduvai Village, Tiruppur South Taluk, Tiruppur District, Tamil Nadu. It is a Govt. poromboke land.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 136545m³ of Rough stone. The Annual peak production as per mining plan is 34560 m³ of rough stone (1st year) with ultimate depth – 46m BGL (existing pit-26m BGL & Proposed depth -20m BGL)
4. ToR issued vide Lr.No.SEIAA-TN/F.No.8668/SEAC/ToR-1149/2021 Dated: 20.05.2022
5. Public hearing conducted on 19.04.2022
6. ToR issued on 20.05.2022


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

SEAC noted that the EIA coordinator/PP had conducted the public hearing even before obtaining ToR from SEIAA. Public hearing carried out on Draft EIA/EMP study report without a ToR is not valid for acceptance. SEAC also noted that TNPCB had conducted public hearing for this proposal even before ToR was issued. The Committee, therefore, decided to request SEIAA to obtain explanations from TNPCB, PP and EIA-Coordinator for this serious lapse, in the first place, before proceeding further in the matter.

Agenda No: 330 - 02

(File No: 9380/2022)

Proposed Earth Quarry over an area of 1.74.5 Ha at Survey No. 12/1, 17/15B, 17/16A, 18/3B, 18/4, 18/11, 18/12A, 18/12B, 18/13A, 18/13B& 18/14A in Thattchakadu Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by Thiru. S.Sivaraj-For Environmental Clearance (SIA/TN/MIN/ 282047/2022, Dated: 07.07.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. 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.Sivaraj has applied for Environmental Clearance for the proposed Earth Quarry over an area of 1.74.5 Ha at Survey No. 12/1, 17/15B, 17/16A, 18/3B, 18/4, 18/11, 18/12A, 18/12B, 18/13A, 18/13B& 18/14A in Thattchakadu Village, Bhuvanagiri Taluk, Cuddalore 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 2 years. The mining plan is for the period of two years& production should not exceed 22968cu.m of Earth.
4. Earlier, this proposal was placed in the 252nd SEAC meeting held on 10.03.2022. The committee decided not to recommend the proposal for grant of Environmental Clearance due to the Permit/license has been issued for quarrying "Savudu" and therefore covered by the Judgment. "Savudu" is not among the list of minor minerals defined under Sec. 3(e) of the Mines and Minerals (Development and Regulation) Act 1957, read along with the


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 

relevant Rules.

5. The PP has furnished the copy of AD mines letter vide Rc.No.94/mines/2021 dt:06.07.2022, wherein it is stated that the proposed quarry site does not lies within 50m from the River, Streams and Canals.
6. The PP has furnished soil test report from Government College of Engineering, Dharmapuri vide Lr.No:GCE/DPI/CIVIL/SOIL/2022/C-110 dated:12.08.2022 and the sand content is 21.10% (IS Classification of soil as per IS 1498(1970, Low Compressible Silt(ML)

Sl. No	Details of the Proposal		
1	Name of the Owner/Firm	:	Thiru. S.Sivaraj S/o.Seeralan No.547, Kanakanpalayam B.Mutlur Chidambaram Cuddalore-608501
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Earth Quarry
3	S.F No. Of the quarry site with area break-up	:	12/1, 17/15B, 17/16A, 18/3B, 18/4, 18/11, 18/12A, 18/12B, 18/13A, 18/13B & 18/14A
4	Village in which situated	:	Thattachakadu
5	Taluk in which situated	:	Bhuvanagiri
6	District in which situated	:	Cuddalore
7	Extent of quarry (in ha.)	:	1.74.5Ha(patta land)
8	Latitude & Longitude of all corners of the quarry site	:	11°29'28.98"N to 11°29'36.57"N 79°41'44.93"E to 79°41'50.47"E
9	Topo Sheet No.	:	58-M/11
10	Type of mining	:	Opencast mechanized mining method.
11	Period of quarrying proposed	:	2 years
12	Production (Quantity in m ³)	:	22968m ³ of Earth
13	Depth of quarrying	:	2.0m BGL
14	Depth of water table	:	10m in summer – 5m in rainy season
15	Man Power requirement per day:	:	2Nos
17	Water requirement: 1. Drinking water	:	2.0KLD 0.5 KLD

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

	2. Utilized water 3. Dust suppression 4. Green belt		0.5 KLD 0.5 KLD 0.5 KLD
18	Power requirement		TNEB 6112 liters of HSD of Diesel will be Utilized for earth
20	Precise area communication approved by the Department of G&M, District Collector, with date	:	R.C.No. 94/Mines/2021, Dated: 22.06.2022
21	Mining Plan approved by Department of G&M, Deputy Director with date	:	R.C.No. 94/Mines/2021, Dated: 24.06.2022
22	Department of G&M, Deputy Director 500m cluster letter		R.C.No. 94/Mines/2022, Dated: 05.07.2022
23	VAO certificate regarding 300m radius cluster		Letter Date: 27.04.2022
24	Project Cost (excluding EMP cost)	:	Rs.20,17,500/-
25	EMP cost	:	Capital Cost – Rs. 11,53,000/- Recurring Cost – Rs. 2,48,800/-
26	CER cost		Rs. 2.06 lakhs

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 22968m³ of Earth with an ultimate depth of mining restricted upto 2m below ground level for a period of two years subject to the standard conditions & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:**

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The proponent shall appoint the statutory competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 accordingly.

3. Further, the PP shall construct the garland drain with proper size, gradient and length around the proposed quarry along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m before obtaining the CTO, as it is designed to take care of run-off water to the surface siltation points of sufficient size are maintained for the collection of silt.
4. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
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 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.
8. 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.
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. 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.
11. 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


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.

12. 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.
13. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
14. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
15. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
16. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan& the approved Mine Closure Plan.
17. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.

18. 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.
19. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
20. 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.
21. 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.
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


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN



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

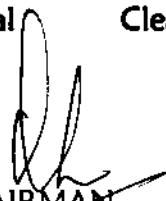
25. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
26. All the conditions imposed by the Assistant/Deputy 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. 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.
28. 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.
29. 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.
30. As accepted by the Project Proponent the CER cost of Rs. 2.06 lakhs and the amount shall be spent for the Government Model Higher Secondary School, B.Mutlur village before obtaining CTO from TNPCB.

Agenda No: 330-03

(File No: 9394/2022)

Proposed Rough Stone & gravel quarry lease over an extent of 1.61.0 Ha at Survey No. 3/9, 3/11, 6/1 & 6/2 in Eraiyur Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru. M. Dhamodharan -For Environmental Clearance (SIA/TN/MIN/283287/2022, Dated: 15.11.2022)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN,
SEAC- TN

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. 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. M. Dhamodharan has applied for Environmental Clearance for the proposed Rough Stone & gravel quarry lease over an extent of 1.61.0 Ha at Survey No. 3/9, 3/11, 6/1 & 6/2 in Eraiyur Village, Vanur Taluk, Viluppuram 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 55398 m³ of Rough Stone & 12432 m³ of Gravel. The annual peak production is 11,730 cu.m of rough stone (1st Year) & 5070 cu.m of Gravel (1st year). The ultimate depth is 15m BGL.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. M.Dhamodharan, S/o. Murugesan H.No 278, Anna Nagar, Eraiyur Vanur Viluppuram-604304
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	: 3/9, 3/11, 6/1 & 6/2
4	Village in which situated	: Eraiyur
5	Taluk in which situated	: Vanur
6	District in which situated	: Viluppuram
7	Extent of quarry (in ha.)	: 1.61.0Ha (patta land)
8	Latitude & Longitude of all corners of the quarry site	: 12° 4'31.08"N to 12° 4'36.26"N 79°38'44.13"E to 79°38'49.85"E
9	Topo Sheet No.	: 57-P/12


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


10	Type of mining		Opencast semi mechanized mining method.
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	55398m ³ Rough Stone & 12432m ³ Gravel with annual peak production of 11730cu.m of rough stone & 5070cu.m of gravel.
13	Depth of quarrying	:	15m BGL
14	Depth of water table	:	55m in summer-50m in rainy season
15	Man Power requirement per day:		14Nos
17	Water requirement: Drinking water Utilized water Dust suppression Green belt	:	3.0KLD 0.5 KLD 1.0 KLD 1.0 KLD 0.5 KLD
18	Power requirement		TNEB 46374 liters of HSD of Diesel will be Utilized for period life
20	Precise area communication approved by the Assistant Director , Department of G&M , with date	:	Rc.No.A.G&M/387/2019 dated:28.06.2022
21	Mining Plan approved by Department of G&M , Deputy Director with date	:	Rc.No.A.G&M/387/2019 dated:30.06.2022
22	Department of G&M , Deputy Director 500m cluster letter		Rc.No.A.G&M/387/2019 dated:30.06.2022
23	VAO certificate regarding 300m radius cluster		Letter Date: 02.07.2022
24	Project Cost (excluding EMP cost)	:	Rs.82,60,900/-
25	EMP cost	:	Capital Cost – Rs. 1954000/- Recurring Cost/annum– Rs. 1319814.6/-
26	CER cost		Rs. 5.20 lakhs

Based on the presentation and documents furnished by the project proponent, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** the ultimate depth of mining upto 15m BGL and the quantity of 55398 cu.m of Rough Stone & 12432 cu.m. of Gravel with the annual peak production of 11730 cu.m of rough stone & 5070cu.m of gravel, for a period of 5 years, subject to the standard conditions as per


MEMBER SECRETARY
SEAC -TN

10

CHAIRMAN
SEAC- TN

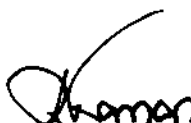
the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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 inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain 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 maintain 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. The PP shall use the area of excavation shown in section along X1-Y1 & C-D in the 'Year wise Production Plan' of the Mining Plan for the construction of ramp accessibility in the proposed quarry following the DGMS Haul Road guidelines provided under MMR 1961 without deviation.
7. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

8. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 490 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. Since few habitations are situated at a distance range of 490 m to 700 m from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
11. 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.
12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

13. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
15. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
16. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
17. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
18. As accepted by the Project proponent the CER cost is Rs. 5.20 lakhs and the amount shall be spent for the Government Higher Secondary School, Eraiyur Village, Villupuram District as committed, before obtaining CTO from TNPCB.

AGENDA No: 330-04

(File No: 9187/2022)

Proposed Rough stone and Gravel Quarry lease over an Extent of 0.78.0 Ha in S.F.Nos. 11/1A1(P) & 244/3B(P) at Naranapuram and Iduvai Village of Palladam & Tiruppur Taluk, Tiruppur District, Tamil Nadu by Thiru.R.Palanisamy – For Environmental Clearance. (SIA/TN/MIN/263282/2022, dated 24.03.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The SEAC noted the following:

1. The project proponent, Thiru.R.Palanisamy has applied seeking Environmental Clearance for the Proposed Rough stone and Gravel Quarry lease over an Extent of 0.78.0 Ha in S.F.Nos. 11/1A1(P) & 244/3B(P) at Naranapuram and Iduvai Village of Palladam & Tiruppur Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru.R.Palanisamy, S/o. Ramasamy, 1/69, 63, Velampalayam, Palladam Taluk, Tiruppur District – 641 663
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone and Gravel
3.	S.F No. of the quarry site	11/1A1(P) & 244/3B(P)
4.	Village	Naranapuram and Iduvai
5.	Taluk	Palladam & Tiruppur
6.	District	Tiruppur
7.	Extent of Quarry (in ha.)	0.78.0 Ha
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast Mechanized Method
10.	Production (Quantity in m ³)	As per the approved mining plan, Geological Resources: Rough stone – 2,34,000m ³ and Gravel – 19,500 m ³ . Production in 5 years: Rough Stone 24,870m ³ and Gravel – 6,143 m ³ The Annual peak production as per mining plan is 5625 m ³ of Rough stone (4 th year) and 4095 m ³ of Gravel


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


11.	Depth of Mining	32.5m Below Ground Level
12.	Latitude & Longitude of all corners of the quarry site	11°03'54.67"N to 11°03'58.70"N 77°17'40.47"E to 77°17'46.52"E
13.	Topo sheet No.	58 - E/08
14.	Man power requirement per day:	13 Employees
15.	Precise Area Communication	Na.Ka. No. 601/Kanimam/2017, Dated.26.06.2019
16.	Mining plan approval letter	Rc.No. 721/Mines/2016, Dated.12.01.2017
17.	500m letter	Rc.No. 721/Mines/2016, Dated.24.02.2022
18.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression (in KLD) 3. Green Belt (in KLD)	1.50 kLD 0.50 kLD 1.0 kLD
19.	Power requirement: a. Domestic purpose b. Industrial Purpose	TNEB
20.	Depth of Water table	50m - 45m
21.	Whether any habitation within 300m distance	No
22.	Project cost (Excluding EMP cost)	Rs. 31,56,000/-
23.	EMP cost	Capital Cost- Rs. 14,41,600 /- Recurring Cost- Rs. 11,12,006 /-
24.	CER cost	Rs. 5,00,000/-
25.	VAO letter	Letter Dated: 04.07.2019

Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the Annual peak production capacity not exceeding 5625 m³ of Rough stone and 4095 m³ of Gravel**, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


MEMBER SECRETARY
SEAC -TN

15


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 mine manager and other statutory competent persons such as mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The Project Proponent shall furnish slope stability action plan incorporating the fencing/barricade for the highwall bench as shown in the Mining Plan to prohibit the entry & movement of persons, to the concerned AD (Mines) before the commencement of mining operations.
4. The Project Proponent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as silent explosive mortars, etc.
5. The Project Proponent 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.
6. The Project Proponent 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.
7. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
8. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
9. Since the hand breaking operations are involved in the proposed quarry, 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.

10. 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.
11. 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.
12. As accepted by the Project proponent the CER cost is Rs. 5.0 lakh and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

Agenda No: 330-05

(File No: 9322/2022)

Proposed Rough Stone and gravel quarry Lease over an extent of 1.59.5 Ha at S.F.No. 74/2A, 74/2B, 74/2C, 74/2D, 74/2E, 74/2F, 74/2G, 74/2H, 74/2I, 74/2J, 74/2K & 74/2L in Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru. K.Satheeshkumar – For Environmental Clearance (SIA/TN/MIN/276835/2022 dated 09.06.2022)

The proposal was placed in 330th meeting of SEAC held on 17.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **Thiru. K.Satheeshkumar** has applied for Environmental Clearance for the proposed rough stone quarry lease over an extent of 0.81.35 Ha at S.F.Nos. 1.59.5 Ha at S.F.No. 74/2A, 74/2B, 74/2C, 74/2D, 74/2E, 74/2F, 74/2G, 74/2H, 74/2I, 74/2J, 74/2K & 74/2L in Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore 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. The salient features of the project are as follows:

Sl.no	Details of the Proposal	
1.	Name of the Owner/Firm	: Thiru. K. Satheeshkumar S/o. Krishnasamy No. 8/122, Thimmampalayam


MEMBER SECRETARY
SEAC -TN

17

CHAIRMAN
SEAC- TN


		Karamadai Coimbatore - 641104
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	: 74/2A, 74/2B, 74/2C, 74/2D, 74/2E, 74/2F, 74/2G, 74/2H, 74/2I, 74/2J, 74/2K & 74/2L
4.	Village in which situated	: Chinnakallipatti Village
5.	Taluk in which situated	: Mettupalayam Taluk
6.	District in which situated	: Coimbatore District
7.	Extent of quarry (in ha.)	: 1.59.5 Ha
8.	Period of quarrying proposed	: Five Years
9.	Type of mining	: Opencast Mechanized method
10.	Production (Quantity in m ³)	: 96,375m ³ of Rough Stone & 7,476 m ³ of Gravel
11.	Latitude & Longitude of all corners of the quarry site	: 11°22'33.68"N to 11°22'38.48"N 77°06'30.07"E to 77°06'36.69"E
12.	Topo Sheet No.	: 58 – E/03
13.	Man Power requirement per day:	: 16Employees
14.	Precise area communication approved by the Assistant Director, Dept. G&M , with date	: Rc.No.20/Kanimam/2022 dated: 18.04.2022.
15.	Mining Plan approved by the Assistant Director, Dept. of Geology and Mining with date	: Rc.No. 20/mines/2022, dated:06.05.2022
16.	Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt	: 1.8KLD 0.3KLD 0.9KLD 0.6KLD
17.	Power requirement:	: 78354Liters of HSD for entire project life
18.	Depth of Mining	: 42mBGL (2m Gravel, 40m Rough Stone)
19.	Depth of water table	: 70-65m
20.	Project Cost (excluding EMP cost)	: Rs.32,52,000/-
21.	EMP cost	: Capital Cost : 10,80,000/- Recurring cost : 13,34,000/-
22.	500m radius Cluster letter issued by Assistant Director, Dept.of Geology and Mining	: Rc.No. 20/mines/2022, dated:06.05.2022
23.	Existing pit details furnished by Assistant Director, Dept.of G&M with date	: Rc.No. 20/mines/2022, dated:06.05.2022

24.	VAO letter regarding habitations with 300radius	enclosed
-----	---	----------

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 96,375m³ of Rough Stone & 7,476 m³ of Gravel with an ultimate depth of 42m below ground level.

Based on the presentation and documents furnished by the project proponent, considering the safety aspect SEAC decided to recommend the proposal for the grant of Environmental Clearance for the ultimate depth of mining upto 42 m with the revised total production quantity of 95,750Cu.m of Rough Stone & 7,476 Cu.m of Gravel and however not exceeding the annual peak production of 20,000 Cu.m of Rough Stone & 4368 Cu.m 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:

1. **The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before obtaining the CTO from the concerned DEE/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 before obtaining the CTO from TNPCB.
4. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the


MEMBER SECRETARY
SEAC -TN

19


CHAIRMAN
SEAC- TN

MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.

5. Further, the PP shall construct the garland drain with proper size, gradient and length around the proposed quarry along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m before obtaining the CTO, as it is designed to take care of run-off water to the surface siltation points of sufficient size are maintained for the collection of silt.
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. As per the earlier CCR compliance furnished, the proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
8. Due to cluster situation, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) only and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
9. In case of carrying out the 'Deep-hole large diameter drilling and blasting' in the proposed quarries, the PP shall obtain prior permission from the Director of Mines Safety, Chennai Region after the commencement of mining operations under the provisions of Reg. 106 (2) (b) of MMR 1961.
10. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

11. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
12. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. 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.
17. 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.
18. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

19. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent towards the Panchayat Union Primary School,Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District for the activities as committed, before obtaining CTO from TNPCB.

Agenda No: 330 - 06

(File No: 8236/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.20.0 Ha at S.F.No. 227/1B(Part) at Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru M. Subramaniam – For Environmental Clearance. (SIA/TN/MIN/57862/2020, dated: 20.09.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Proponent, Thiru M. Subramaniam has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.20.0 Ha at S.F.No. 227/1B(Part) at Velampalayam Village, Palladam 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.
3. ToR issued vide Lr No. SEIAA-TN/T.No.8236/SEAC/ToR-951/2021 Dated: 30.04.2021.
4. Public Hearing conducted on 26.04.2022.
5. EIA Report submitted on 19.09.2022.

The proposal is for mining of rough stone & gravel quarry the salient features of the proposal are as follows:

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

1	Name of the Owner/Firm	:	Thiru M. Subramaniam No.1/505, 63, Velampalayam Village Palladam Taluk Tiruppur District- 641663
2	Type of quarrying	:	Rough stone & gravel
3	S.F No. Of the quarry site	:	227/1B(Part)
4	Village in which situated	:	Velampalayam
5	Taluk in which situated	:	Palladam
6	District in which situated	:	Tiruppur
7	Extent of quarry (in ha.)	:	1.20.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	11°03'57.67"N to 11°04'04.35"N 77°15'40.75"E to 77°14'43.61"E
9	Topo Sheet No.	:	58-E/08
10	Type of mining	:	Opencast Mechanized Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	56,570 m ³ of Rough Stone & 1,080 m ³ of Gravel
13	Depth of quarrying	:	27m BGL (2m Gravel+ 25m Rough Stone)
14	Depth of water table	:	58m in rainy & 62m in summer seasons
15	Man Power requirement per day:	:	12 Nos.
17	Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt	:	4.0 KLD 1.0 KLD 1.5 KLD 1.5 KLD
18	Power requirement a. Domestic Purpose b. Industrial purpose	:	TNEB 350 Liters of HSD/day
20	Precise area communication approved by the, District Collector, with date	:	Na.Ka.No. 844/2019/Kanimam, Dated: 16.06.2020
21	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	R.c.No. 844/2019/Mines, dated: 08.07.2020

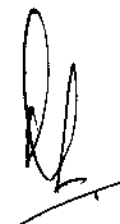

MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

22	Deputy Director, Department of Geology and Mining 500m cluster letter	R.c.No. 844/2019/Mines, dated: 08.07.2020
23	VAO certificate regarding 300m radius cluster	VAO Letter furnished
24	Project Cost (excluding EMP cost)	: Rs.40,12,000
25	EMP cost	: Capital Cost - Rs.15,71,000 Recurring Cost – Rs.12,18,332
26	CER cost	5 lakhs as per SEAC Minutes
27	Tor Issued Date	Letter No SEIAA-TN/F. No8236/SEAC/ToR-951/2022, Dated: 30.04.2021
28	Public hearing Date	26.04.2022
29	EIA Report submitted date	19.09.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for total production quantity of 56,570 m³ of Rough Stone and 1080 m³ of Gravel and not exceeding the annual peak production capacity of 14,160 m³ of Rough Stone & 1080 m³ of Gravel by restricting an ultimate depth of 27m BGL**, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.



3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
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 as recommended in the DGMS Circular, 11/1959 before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain 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. Due to cluster situation, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) only and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
7. In case of carrying out the 'Deep-hole large diameter drilling and blasting' in the proposed quarries, the PP shall obtain prior permission from the Director of Mines Safety, Chennai Region after the commencement of mining operations under the provisions of Reg. 106 (2) (b) of MMR 1961.
8. The PP shall carry out the scientific studies within a period of **six months** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without deviation.
9. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed


MEMBER SECRETARY
SEAC -TN

25

CHAIRMAN
SEAC- TN


quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.

10. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 4 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
11. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
12. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.

17. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
18. 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.
19. 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.
20. As per the earlier CCR compliance furnished, the proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
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 to the EMP as committed.
22. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Government Higher Secondary School, Tiruppur before obtaining CTO from TNPCB.

Agenda No: 330 -07

(File No: 8299/2021)

Proposed Earth quarry lease over an extent of 2.30.0 Ha at S.F.No. 602/1A5 at Vettangudi Village, Sirkali Taluk, Mailaduthurai District, Tamil Nadu by Thiru. B. Gopalakrishnan – For Environmental Clearance.(SIA/TN/MIN/196996/2021, dated: 06.02.2021)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Proponent, Thiru. B. Gopalakrishnan has applied seeking Environmental Clearance for the proposed Earth quarry lease over an extent of 2.30.0 Ha


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

at S.F.No. 602/1A5 at Vettangudi Village, Sirkali Taluk, Mailaduthurai District, Tamil Nadu.

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

Based on the presentation made by the PP, SEAC noted that the proposed mine lease area is abutting Buckingham Canal on the western side and Bay of Bengal shore line on the Eastern Side. Hence, SEAC decided to call for the following additional details:

1. The proposed mine lease area may fall under CRZ area under CRZ notification, 2011 as amended. Hence, the project proponent is requested to furnish the CZMA mapping prepared by competent authority such as IRS, Anna university etc. Further, if the proposal falls under CRZ area, recommendation of the CZMA may be submitted as per the O.M issued by the MOEF&CC, GoI, New Delhi vide F.No.IA3-12/1/2022-IA.III dated 26.04.2022.
2. The proponent shall furnish letter obtained from DFO regarding the existence of any Reserved Forest nearby.
3. In the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021, and in terms of Director of Geology and Mining letter No. 7240/MM6/2019 Dt. 30.7.2021, (1) the **mineral composition** of the proposed mineral (Earth) to be quarried shall be tested in any of the following laboratories and the results submitted to the Committee and (2) the proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones.

Sl. No	Name of the Laboratory
1.	Department of Geology and Mining, Govt of Tamil Nadu, Industries Department, Alandur road, Guindy Industrial Estate, Chennai – 600032.


MEMBER SECRETARY
SEAC -TN

28


CHAIRMAN
SEAC -TN

2.	Department of Applied Geology, University of Madras, Guindy Campus, Chennai – 600025.
3.	Department of Geology, CEG Campus, Anna University, Chennai – 600025.

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

Agenda No: 330 - 08

(File No: 8600/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.52.0 Ha at S.F.No. 192/2A, 192/2B & 192/2C at Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. A. Venkatachalam – For Environmental Clearance. (SIA/TN/MIN/64126/2021, dated: 20.09.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Proponent, Thiru. A. Venkatachalam has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.52.0 Ha at S.F.No. 192/2A, 192/2B & 192/2C at Velampalayam Village, Palladam 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.
3. ToR issued vide Lr No. SEIAA-TN/F.No.8600/SEAC/ToR - 1016/2021 Dsted: 23.08.2021.
4. Public Hearing conducted on 26.04.2022.
5. EIA Report submitted on 19.09.2022.

The proposal is for mining of rough stone & gravel quarry the salient features of the proposal are as follows:


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Sl. No	Details of the proposal	
1	Name of the Owner/Firm	: Thiru. A. Venkatachalam S/o. Arumugam No.1/9, Trichy Road Kangeyampalayam Coimbatore-641401
2	Type of quarrying	: Rough stone & gravel
3	S.F No. Of the quarry site	: 192/2A, 192/2B & 192/2C
4	Village in which situated	: Velampalayam
5	Taluk in which situated	: Palladam
6	District in which situated	: Tiruppur
7	Extent of quarry (in ha.)	: 1.52.0Ha
8	Latitude & Longitude of all corners of the quarry site	: 11°03'36.68"N to 11°03'40.43"N 77°15'07.58"E to 77°15'14.30"E
9	Topo Sheet No.	: 58-E/08
10	Type of mining	Opencast Mechanized Mining
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m ³)	: 1,21,005 m ³ of Rough Stone & 13,120 m ³ of Gravel
13	Depth of quarrying	: 37m BGL (2m Gravel+ 35m Rough Stone)
14	Depth of water table	: 58m in rainy & 62m in summer seasons
15	Man Power requirement per day:	37Nos.
17	Water requirement: 4. Drinking & domestic purposes 5. Dust suppression Green Belt	: 3.0 KLD 1.0 KLD 1.0 KLD 1.0 KLD
18	Power requirement c. Domestic Purpose d. Industrial purpose	TNEB 300 Liters of HSD/day
20	Precise area communication approved by the, District Collector, with date	: Na.Ka.No. 243/Kanimam/2020, Dated: 07.07.2020
21	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	: R.c.No. 243/2020/Mines, dated: 04.08.2020

22	Deputy Director, Department of Geology and Mining 500m cluster letter	R.c.No. 243/2020/Mines, dated: 04.08.2020
23	VAO certificate regarding 300m radius cluster	Letter dated: 28.07.2020
24	Project Cost (excluding EMP cost)	: Rs. 61,48,000
25	EMP cost	: Capital Cost - Rs.17,55,400 Recurring Cost – Rs.12,17,920
26	CER cost	5 lakhs as per SEAC Minutes
27	Tor Issued Date	Letter. No SEIAA-TN/F.No.8600/SEAC/ToR-1016/2021, Dated: 23.08.2021
28	Public hearing Date	26.04.2022
29	EIA Report submitted date	19.09.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for total production quantity of 1,21,005 m³ of Rough Stone and 13,120 m³ of Gravel and not exceeding the annual peak production capacity of 25,920 m³ of Rough Stone & 13,120 m³ of Gravel by restricting an ultimate depth of 37m BGL,** subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.

The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.

2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the


MEMBER SECRETARY
SEAC -TN

31

CHAIRMAN
SEAC- TN


MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.

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 as recommended in the DGMS Circular, 11/1959 before obtaining the CTO from TNPCB.
4. Further, the PP shall maintain 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. Due to cluster situation, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) only and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
6. In case of carrying out the 'Deep-hole large diameter drilling and blasting' in the proposed quarries, the PP shall obtain prior permission from the Director of Mines Safety, Chennai Region after the commencement of mining operations under the provisions of Reg. 106 (2) (b) of MMR 1961.
7. The PP shall carry out the scientific studies within a period of **six months** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations in the Cluster Zone', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without deviation.
8. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.

9. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
10. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
11. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
12. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 before 5 pm ensuring that the persons have taken proper shelter within the vicinity of 500 m from the place of firing and it shall not be carried out by the persons other than the above statutory personnel.
14. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haul roads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

17. 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.
18. 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.
19. The proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
20. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayat Union Primary School, Moonumadai before obtaining CTO from TNPCB.

Agenda No: 330 -09

(File No: 8642/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.20.0 Ha at S.F.No. 98/2(P) at Poomalur Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru M. Ramasamy – For Environmental Clearance. (SIA/TN/MIN/401287/2022, dated: 25.09.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Proponent, Thiru M. Ramasamy has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.20.0 Ha at S.F.No. 98/2(P) at Poomalur Village, Palladam 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.

3. ToR issued vide Lr No. SEIAA-TN/F.No.8642/SEAC/ToR-I064/2022 Dated: 01.03.2022.
4. Public Hearing conducted on 26.04.2022.
5. EIA Report submitted on 19.09.2022.

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

1. The PP shall submit Certified Compliance Report.

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

Agenda No: 330 - 10

(File No: 8873/2021)


Proposed Rough Stone and Gravel quarry lease over an extent of 2.50.0 Ha at S.F.No. 26/3F(P) at Gedhalandoddi Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. M. Naveenkumar – For Environmental Clearance.(SIA/TN/MIN/224005/2021, dated: 10.08.2021)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Proponent, Thiru. M. Naveenkumar has applied seeking Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 2.50.0 Ha at S.F.No. 26/3F(P) at Gedhalandoddi Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

During the presentation, EIA coordinator informed that PP was absent for the meeting. Hence, the proposal was not taken up for appraisal.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

Agenda No: 330 - 11

(File No: 9055/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.83.0 Ha at S.F.No. 252/1, 252/2 & 252/3 at Veppilai Village, Kadaiyampatti Taluk, Salem District, Tamil Nadu by Thiru. R. Munirathinam – For Environmental Clearance. (SIA/TN/MIN/258691/2022, dated: 28.02.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Proponent, Thiru. R. Munirathinam has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.83.0 Ha at S.F.No. 252/1, 252/2 & 252/3 at Veppilai Village, Kadaiyampatti Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, SEAC noted the following

1. The proposed mine lease area is located at a distance of approximately 460m from the Thoppaiyaru Reservoir in the Thoppur valley. Further, the proposed mine lease area is situated in the Manakondamalai which is rich in ecosystem.
2. Further, the proposed mine lease area is in the downstream side of the catchment area which appears to be a watershed which will in turn have implications on the contribution of surface runoff to the reservoir.

Hence, based on the above facts and after the deliberations, the **Committee decided not to recommend the proposal.**

Agenda No: 330 - 12

(File No: 9244/2021)

Proposed Grey Granite Quarry lease over an extent of 1.88.06 Ha at S.F.No. 223/1A2,1B2, 224/2B1, 224/2B2(P), 224/2C and 224/2D at Sendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Vatsin Granites – For Environmental Clearance. (SIA/TN/MIN/269263/2022, dated: 03.05.2022)


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Proponent, Thiru. B. Gopalakrishnan has applied seeking Environmental Clearance for the proposed Earth quarry lease over an extent of 2.30.0 Ha at S.F.No. 602/1A5 at Vettangudi Village, Sirkali Taluk, Mailaduthurai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The production & development plan is given for 5 Years as scheme of mining was approved by the competent authority stating that the total quantity of ROM is 28,675 m³ and production quantity of 10,036 m³ of Grey Granite @ 35 % recovery for an ultimate depth of 13m below ground level.

The proposal is for mining of Grey Granite Quarry, the salient features of the proposal are as follows:

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: M/s. Vatsin Granites No.189 Bharathi Nagar Moolapalayam Erode-638002
2	Type of quarrying	: Grey Granite Quarry
3	S.F No. Of the quarry site	: 223/1A2,1B2, 224/2B1, 224/2B2(P), 224/2C and 224/2D
4	Village in which situated	: Sendarapalli
5	Taluk in which situated	: Bargur
6	District in which situated	: Krishnagiri
7	Extent of quarry (in ha.)	: 1.88.06 Ha
8	Latitude & Longitude of all corners of the quarry site	: 12°29'02.19"N to 12°29'08.95"N 78°17'29.77"E to 78°17'35.85"E
9	Topo Sheet No.	: 57-L/07


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


10	Type of mining		Opencast semi-Mechanized Mining
11	Period of Lease	:	20 years
12.	Scheme of Mining		5 years
12	Production (Quantity in m ³)	:	ROM – 28,675 m ³ Recovery @ 35% - 10,036 m ³ Granite Waste @ 65% - 18,639m ³
13	Depth of quarrying	:	13m BGL (10m Grey Granite)
14	Depth of water table	:	51m in rainy & 57m in summer seasons
15	Man Power requirement per day:		37 Nos.
17	Water requirement: 6. Drinking & domestic purposes 7. Dust suppression 8. Green Belt	:	2.0 KLD 1.0 KLD 0.5 KLD 0.5KLD
18	Power requirement e. Domestic Purpose f. Industrial purpose		TNEB 45.872 Liters of HSD for the entire period of life.
20	Precise area communication approved by the, Industries (MME-2) Department, Secretariat, Chennai, with date	:	Letter.No.145/MME.2/2019 – 1, Dated: 13.02.2019
21	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	Rc. No. 5803/MM5/2018, dated: 26.02.2019
22	Deputy Director, Department of Geology and Mining 500m cluster letter		Roc. No. 477/2017/Mines, dated: 21.10.2021
23	VAO certificate regarding 300m radius cluster		Letter dated: 22.10.2021
24	Project Cost (excluding EMP cost)	:	Rs.1,94,75,000
25	EMP cost	:	Capital Cost - Rs. 20,85,762 Recurring Cost – Rs.12,63,549
26	CER cost		5 lakhs as per SEAC Minutes


Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for ROM –**


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

28,675 m³, production quantity of 10,036 m³ of Grey Granite, Waste – 18,639 m³ & 8,621 m³ of Weathered Rock up to a depth of 13m BGL, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP as committed.
3. The proponent shall obtain a 'Star Rating' system awarded by Anna University, Chennai annually to the mining lease being operated for their efforts and shall contribute atleast Rs.1 Lakh every year towards the initiatives taken for successful implementation of the Sustainable Development Framework (SDF).
4. The proponent is requested to prepare Standard Operating Procedure for using Diamond Wire Saw Cutting method 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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.

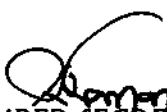
15. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
16. The Proponent shall ensure 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.



MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 

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 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 PP shall maintain the quarrying time between 7 am to 5 pm only.
26. 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.

27. 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.
28. 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.
29. 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.
30. 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.
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. 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.
33. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

34. 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.
35. 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.
36. As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for Panchayat Union Middle school, Kolrur, Bargur Union, Krishnagiri District before obtaining CTO from TNPCB.

Agenda No: 330-13

(File No: 7145/2022)

Proposed Rough Stone & Gravel quarry Lease over an extent of 0.52.0 Ha at S.F.No. 213/2A in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Tmt.P.Krishnaveni – For Environmental Clearance (SIA/TN/MIN/42691/2019 dated 20.09.2022)

The proposal was placed in 330th meeting of SEAC held on 17.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt.P.Krishnaveni has applied for Environmental Clearance for the proposed rough stone & gravel quarry lease over an extent of 0.52.0 Ha at S.F.No. 213/2A in Velampalayam Village, Palladam Taluk, Tiruppur 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	: Tmt. P. Krishnaveni W/o. Prabakaran


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

		No. 283-A, Paraiyankadu Thottam 63, Velampalayam Village Palladam Taluk Tiruppur District - 641663
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone and Gravel quarry
3.	S.F No. Of the quarry site with area break-up	: S.F.No.213/2A
4.	Village in which situated	: Velampalayam Village
5.	Taluk in which situated	: Palladam Taluk
6.	District in which situated	: Tiruppur District
7.	Extent of quarry (in ha.)	: 0.52.0 Ha
8.	Period of quarrying proposed	: Five Years
9.	Type of mining	: Opencast Mechanized method
10.	Production (Quantity in m ³)	: 26,260m ³ of Rough Stone, 5,346 m ³ of Gravel & 5,346m ³ of weathered gravel
11.	Latitude & Longitude of all corners of the quarry site	: 11°03'51.30"N to 11°03'53.40"N 77°15'40.43"E to 77°15'43.92"E
12.	Topo Sheet No.	: 58 – E/08
13.	Man Power requirement per day:	: 18 Employees
14.	Precise area communication approved by the District Collector, Tiruppur with date	: Rc.No.21/Kanimam/2018 dated: 02.07.2019.
15.	Mining Plan approved by the Assistant Director of Geology and Mining with date	: Rc.No. 21/Mines/2018 dated: 31.07.2019.
16.	Water requirement: 9. Drinking & domestic purposes 10. Dust suppression 11. Green Belt	: 3.97KLD 0.67KLD 3.0KLD 0.3KLD
17.	Power requirement	: 22,788 Liters of HSD for entire project life
18.	Depth of Mining	: 24m (2m Gravel, 2m Weathered Gravel and 20m Rough Stone)
19.	Depth of water table	: 50m – 45m
20.	Project Cost (excluding EMP cost)	: Rs.19,59,300/-

MEMBER SECRETARY
SEAC - TN

45

CHAIRMAN
SEAC- TN



21.	EMP cost	:	Capital Cost : 14,38,400/- Recurring cost : 11,29,177/-
22.	radius Cluster letter issued by Assistant Director of Geology and Mining		Rc.No. 21/Mines/2018 dated: 31.07.2019.
23.	VAO letter regarding habitations within 300m radius		Furnished
24.	Tor issued		Lr.No. SEIAA-TN/F.No.7145/SEAC/ToR-724/2020, Dated:23.06.2020
25.	Public Hearing		26.04.2022
26.	EIA Receiving		19.09.2022

4. As per the mining plan, the lease period is for 10 years since it is virgin land. The total production & development quantity shown for the first 5 years not to **exceed 26,260m³ of Rough Stone, 5,346 m³ of Gravel & 5,346m³ of weathered gravel for a depth of 24m below ground level.**

Based on the presentation and documents furnished by the project proponent, **considering the safety aspect** SEAC decided to recommend the proposal for the grant of Environmental Clearance by **restricting the depth of mining upto 24m** but removing the bottom bench of 3 m wide shown in the section A-B for the revised total production quantity of **25,495Cu.m of Rough Stone, 5346Cu.m of Weathered Rock, &5346Cu.m of Gravel** with not exceeding the **annual peak production of 5635 Cu.m of Rough Stone,2310 Cu.m of weathered gravel and 2574 Cu.m 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:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.

The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.

2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
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 as recommended in the DGMS Circular, 11/1959 before obtaining the CTO from TNPCB.
4. Further, the PP shall maintain 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. Due to cluster situation, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) only and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
6. In case of carrying out the 'Deep-hole large diameter drilling and blasting' in the proposed quarries, the PP shall obtain prior permission from the Director of Mines Safety, Chennai Region after the commencement of mining operations under the provisions of Reg. 106 (2) (b) of MMR 1961.
7. The PP shall carry out the scientific studies within a period of **six months** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations in the Cluster Zone', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN



submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without deviation.

8. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
9. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
10. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
11. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
12. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 before 5 pm ensuring that the persons have taken proper shelter within the vicinity of 500 m from the place of firing and it shall not be carried out by the persons other than the above statutory personnel.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

14. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
17. 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.
18. 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.
19. The proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
20. 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.
21. 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, 63, Velampalayam for the activities as committed, before obtaining CTO from TNPCB.

Agenda No: 330-14

(File No: 7838/2022)

Proposed Rough Stone & Gravel quarry Lease over an extent of 1.53.5 Ha at S.F.No. 63/1A2 & 64/1(P) in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.P.Venkatachalam – For Environmental Clearance (SIA/TN/MIN/56440/2020 dated 22.09.2022)


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN

The proposal was placed in 330th meeting of SEAC held on 17.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.P.Venkatachalam has applied for Environmental Clearance for the proposed rough stone & gravel quarry lease over an extent of 1.53.5 Ha at S.F.No. 63/1A2 & 64/1(P) in Velampalayam Village, Palladam Taluk, Tiruppur 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.

Based on the presentation and details furnished by the project proponent, the Committee decided to direct the PP to submit a detailed study on the structures located around the proposed site. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.. On receipt of the additional details, SEAC will further examine the proposal.

Agenda No: 330-15

(File No: 8447/2022)

Proposed Rough Stone & Gravel quarry Lease over an extent of 4.85.0 Ha at S.F.No. 478/2, 479/2B(P), 480/1A(P), 480/2B, 480/2C(P), 480/2D(P), 482/1, 482/2(P) & 483(P) in Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru.S.Palanisamy – For Environmental Clearance (SIA/TN/MIN/403228/2020 dated 15.10.2022)


The proposal was placed in 330th meeting of SEAC held on 17.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S.Palanisamy has applied for Environmental Clearance for the proposed rough stone & gravel quarry lease over an extent of 4.85.0 Ha at S.F.No. 478/2, 479/2B(P), 480/1A(P), 480/2B, 480/2C(P), 480/2D(P), 482/1, 482/2(P) & 483(P) in Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu.


MEMBER SECRETARY
SEAC -TN

50

CHAIRMAN
SEAC- TN


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.

Based on the presentation and details furnished by the project proponent, the Committee noted that the data furnished in the EIA report submitted by the proponent is improper/irrelevant. Hence, after detailed discussions, the Committee decided to consider the proposal after the submission of a properly revised EIA report by the Proponent/consultant.

Agenda No: 330-16

(File No: 8755/2022)

Proposed Rough Stone & Gravel quarry Lease over an extent of 7.00.0 Ha at S.F.No. 635/1A, 635/2A, 740, 800/2(P) & 801(P) in Marudur Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by M/s. Venkateswara Blue Metals – For Environmental Clearance (SIA/TN/MIN/402955/2022 dated 12.10.2022)

The proposal was placed in 330th meeting of SEAC held on 17.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Venkateswara Blue Metals has applied for Environmental Clearance for the proposed rough stone & gravel quarry lease over an extent of 4.85.0 Ha at S.F.No. 7.00.0 Ha at S.F.No. 635/1A, 635/2A, 740, 800/2(P) & 801(P) in Marudur Village, Mettupalayam 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. Earlier, the proponent has obtained EC for quarrying rough stone and gravel at S.F.No.740(P), 741/1D(P), 741/2(P), 800/2 & 801 over an extent of 6.71.6 Ha vide Lr.No.SEIAA-TN/F.No.5463/1(a)/EC.No.3409/2016 dated:25.07.2016.
4. The proponent has submitted a Certified Compliance Report dated:18.05.2022 for the EC obtained earlier.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Based on the presentation and details furnished by the project proponent, the Committee decided to obtain the following details from the project proponent to consider the proposal for appraisal:

1. The details of total land area owned/leased by the proponent for quarrying.
2. Drone videography showing the fencing work carried out in the currently proposed area and in the area for which EC has been obtained earlier.
3. Details of safety barrier of 7.5 m maintained with tree plantations in the existing quarry and proposed lease areas.
4. Drone videography images showing (a) the existence of trees planted & green belt development activities carried out in compliance with the conditions as indicated in the previous EC issued on 25.07.2016; (b) existence of garland drainage already constructed for the existing & proposed quarry.
5. The existence of the structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses whether it belongs to the owner (or) not belongs to the owner; with number of occupants, places of worships, if any, industries, factories, sheds, etc.

Hence, after detailed discussions and deliberations, the committee decided to consider the proposal after the submission of aforesaid details by the Proponent/consultant.

Agenda No: 330-17

(File No: 9404/2022)

Proposed Rough Stone and gravel quarry Lease over an extent of 1.20.0 Ha at S.F.No. 142/5 in Karasanur Village, VanurTaluk, ViluppuramDistrict, Tamil Nadu by Mr. V.R.Selvakumar – For Environmental Clearance (SIA/TN/MIN/284255/2022 dated 20.07.2022)

The proposal was placed in 330th meeting of SEAC held on 17.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Mr. V.R.Selvakumar has applied for Environmental Clearance for the proposed rough stone quarry lease over an extent of 1.20.0 Ha at S.F.No. 142/5 in Karasanur Village, VanurTaluk, ViluppuramDistrict, Tamil Nadu.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


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. The salient features of the project are as follows:

Sl.no	Details of the Proposal	:	Data Furnished
1.	Name of the Owner/Firm	:	Thiru. V.R.Selvakumar S/o. Rajagopal No. 39, Sri Mahalakshmi Nagar, 1 st Cross Street, Noombal, Chennai-600077.
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	:	142/5
4.	Village in which situated	:	Karasanur Village
5.	Taluk in which situated	:	Vanur Taluk
6.	District in which situated	:	Viluppuram District
7.	Extent of quarry (in ha.)	:	1.20.0 Ha
8.	Period of quarrying proposed	:	Five Years
9.	Type of mining	:	Opencast Mining Semi Mechanized method
10.	Production (Quantity in m ³)	:	72,673m ³ of Rough Stone & 3612 m ³ of Gravel
11.	Latitude & Longitude of all corners of the quarry site	:	12°4'26.93"N to 12°4'32.00"N 79°41'00.59"E to 79°41'04.65"E
12.	Topo Sheet No.	:	57 – P/12
13.	Man Power requirement per day:	:	14Employees


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

14.	Precise area communication approved by the Deputy Director, Dept. G&M, with date	:	Rc.No.A/G&M/450/2021 , Dated:05.07.2022
15.	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with the date	:	Rc.No.A/G&M/450/2021 , Dated:12.07.2022
16.	Water requirement: 5. Drinking & domestic purposes 6. Dust suppression 7. Green Belt	:	4.0KLD 2.0KLD 1.0KLD 1.0KLD
17.	Power requirement:	:	58,818 Liters of HSD will be utilized for the entire project life
18.	Depth of Mining	:	35mBGL
19.	Depth of water table	:	50-45m
20.	Project Cost (excluding EMP cost)	:	Rs.29,00,000/-
21.	EMP cost	:	Capital Cost : 18,50,000/- Recurring cost : 18,01,800/-
22.	500m radius Cluster letter approved by Deputy Director, Dept. of Geology and Mining	:	Rc.No.A/G&M/450/2021 , Dated:12.07.2022
23.	VAO Dated	:	20.08.2022

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 72,673m³ of Rough Stone & 3612 m³ of Gravel with an ultimate depth of 35m 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 **72,673m³ of Rough Stone & 3612 m³ of Gravel with an ultimate depth of 35m below ground level**, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. **The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
3. The PP shall furnish an affidavit to the SEIAA stating that the structure exists within 100 m belongs to him and used as worker's shed for the crusher operation.
4. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
5. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
6. The proponent shall maintain 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 maintain 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

55


CHAIRMAN
SEAC- TN

8. The PP shall prepare a 'Slope Stability Action Plan' showing the realignment of the sloping faces to form a suitable bench of 5 m width for the 2nd, 3rd & 4th benches as shown in the section X-Y of the 'Year wise Production Plan' of the Mining Plan and it shall be approved by the concerned Asst Director (Geology & Mines) before obtaining the CTO from the TNPCB.
9. Further, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
10. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
11. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 800 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
12. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
13. Since few habitations are situated at a distance of 860 m from the mine lease boundary, the PP shall carry out the scientific studies within one year from the commencement of mining operations on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining

& Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal and Anna University – CEG Campus. 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.

14. 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.
15. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
17. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
18. 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.
19. 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.
20. 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.
21. 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, Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District for the activities as committed, before obtaining CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN

57


CHAIRMAN
SEAC- TN

Agenda No: 330-18

(File No: 8441/2021)

Proposed Rough Stone and Gravel quarry project over an extent of 0.72 Ha in S.F.No. S.F.No. 7/3B & 7/4B at Sukkampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. V. P. Senthilkumar- For Environmental Clearance. (SIA/TN/MIN/61577/2021 dated: 22.09.2022)

The proposal was placed for appraisal in this 330th meeting of SEAC held on 17.11.2022. 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. V. P. Senthilkumar has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.72 ha at S.F.Nos.7/3B & 7/4B of Sukkampalayam Village, Palladam Taluk, Tiruppur 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.

The committee noted that PP has requested to withdraw the proposal. Hence SEAC decided to remit back the proposal to SEIAA.

Agenda No: 330-19

(File No: 8596/2021)

Proposed quartz & Feldspar project over an extent of 2.11.0Ha in S.F.No. 1501B/2(P), & 1502(p), Sengurichi Village, Dindigul East Taluk, Dindigul District, Tamil Nadu by Thiru. M. Selvamani - For Environmental Clearance. (SIA/TN/MIN/216925/2021 dated: 29.06.2021)

The proposal was placed for appraisal in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are given in the website(www.parivesh.nic.in). During the meeting the PP has not turned up. Therefore, SEAC decided to defer the proposal.


MEMBER SECRETARY
SEAC - TN

CHAIRMAN
SEAC- TN


Agenda No: 330-20

(File No: 8638/2022)


Proposed Rough stone & Gravel project over an extent of 1.01.5 Ha in S.F.No. 199/1A2, Poomalur Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. R Sivakumar - For Environmental Clearance. (SIA/TN/MIN/401203/2021 dated: 23.09.2022)

The proposal was placed for appraisal in this 330th meeting of SEAC held on 17.11.2022. 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. R Sivakumar** applied for Environmental Clearance for the proposed Rough stone & Gravel project over an extent of 1.01.5 Ha in S.F.No. 199/1A2, Poomalur Village, Palladam Taluk, Tiruppur 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.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. R. Sivakumar, S/o. Ramasamy Gounder, No. 273, Mullagkattu Thottam, 63, Velampalayam, Palladam Taluk, Tiruppur District – 641 663.
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	199/1A2
4.	Village in which situated	Poomalur Village
5.	Taluk in which situated	Palladam Taluk
6.	District in which situated	Tiruppur District
7.	Extent of Quarry (in ha.)	1.01.5 Ha
8.	Latitude & Longitude of all corners of the quarry site	11°03'40.62"N to 11°03'45.67"N 77°15'05.83"E to 77°15'09.13"E
9.	Topo sheet No.	58 – E/08
10.	Type of Mining	Open Cast Mechanized Mining
11.	Period of Quarrying proposed	Five Years


MEMBER SECRETARY
SEAC -TN

59

CHAIRMAN
SEAC- TN


12.	Production (Quantity in m ³)	44,680m ³ Rough stone
13.	Depth of quarrying	42m BGL
14.	Depth of water table	78m-73m (BGL)
15.	Man power requirement per day:	13 Employees
16.	Source of Water Requirement	Vendors and nearby Existing Bore Wells
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression, Green Belt & Drilling (in KLD)	2.0 KLD 0.5 KLD 1.0 KLD 0.5 KLD
18.	Power requirement: a) Domestic purpose b) Industrial Propose	TNEB 35,744 Liters of HSD
19.	Whether any habitation within 300m distance	No
20.	Precise Area Communication approved by the, Assistant Director, Department of Geology and Mining, with date	RC. No. 215/Mines/2021, Dated: 15.06.2021
21.	Mining plan approved by Assistant Director, Department of Geology and Mining, with date	RC. No. 215/2021/Mines, Dated: 24.06.2021
22.	Assistant Director, Department of Geology and Mining, with date 500mts letter	RC. No. 215/2021/Mines, Dated: 24.06.2021
23.	VAO Certificate regarding 300m Radius letter dated	28.08.2020
24.	Project cost (excluding EMP cost)	Rs.27.09 Lakhs
25.	EMP cost	Rs.3.80 Lakhs
26.	CER cost	5 Lakhs as per SEAC Minutes

Based on the presentation made by the proponent, SEAC decided to call for the following additional details from the PP.

1. Certified compliance report obtained from MoEf&CC/TNPCB for the existing EC issued.

On the receipt of the same further deliberation will be done.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 330-21

(File No: 8834/2022)

Proposed Rough stone project over an extent of 3.11.0 Ha in S.F.No. 77/1B&421/2B Part Chikkarampalayam Village, Mettupalyam Taluk, Coimbatore District , Tamil Nadu by M/s. Sri Blue Metals- For Environmental Clearance. (SIA/TN/MIN/401916/2021 dated: 16.11.2022)

The proposal was placed for appraisal in this 330th meeting of SEAC held on 17.11.2022. 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, **M/s. Sri Blue Metals** applied for Environmental Clearance for the proposed Rough stone project over an extent of 3.11.0 Ha in S.F.No. 77/1B&421/2B Part Chikkarampalayam Village, Mettupalyam 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.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	M/s. Sri Blue Metals, Proprietor Thiru.S.Gnanasekaran, D.No.2/241, Kannarpalayam, Karamadai Post, Chikkarampalayam Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu State – 641 104.
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	77/1B and 421/2B (Part)
4.	Village in which situated	Chikkarampalayam Village
5.	Taluk in which situated	Mettupalayam Taluk
6.	District in which situated	Coimbatore District
7.	Extent of Quarry (in ha.)	3.11.0 Ha


MEMBER SECRETARY
SEAC -TN

61

CHAIRMAN
SEAC- TN

8.	Latitude & Longitude of all corners of the quarry site	11°14'47.63"N to 11°14'54.52"N 76°58'44.12"E to 76°58'53.96"E
9.	Topo sheet No.	58 - A/16
10.	Type of Mining	Open Cast Mechanized Mining
11.	Period of Quarrying proposed	Five Years
12.	Production (Quantity in m ³)	2,73,414 m ³ Rough stone
13.	Depth of quarrying	45m BGL
14.	Depth of water table	65m-60m (BGL)
15.	Man power requirement per day:	31 Employees
16.	Source of Water Requirement	Vendors and nearby Existing Bore Wells
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression, Green Belt & Drilling (in KLD)	3.5 KLD 1.0 KLD 2.0 KLD 0.5 KLD
18.	Power requirement: a) Domestic purpose b) Industrial Propose	TNEB 2,20,688 Liters of HSD
19.	Whether any habitation within 300m distance	No
20.	Precise Area Communication approved by the, Assistant Director, Department of Geology and Mining, with date	RC.No.1442/Mines/2020, Dated: 19.08.2021
21.	Mining plan approved by Assistant Director, Department of Geology and Mining, with date	RC.No.1442/Mines/2020, Dated: 15.09.2021
22.	Assistant Director, Department of Geology and Mining, with date 500mts letter	RC.No.1442/Mines/2020, Dated: 15.09.2021
23.	VAO Certificate regarding 300m Radius letter dated	20.07.2021
24.	Project cost (excluding EMP cost)	Rs.56.33 Lakhs
25.	EMP cost	Rs.3.80 Lakhs
26.	CER cost	5 Lakhs as per SEAC Minutes


Based on the presentation made by the proponent, SEAC consider the safety aspects of the mining and decided to recommend the proposal for the grant of Environmental Clearance for the total production of 273414 m³ of Rough Stone with an ultimate depth restricted up to 47 m below ground level and not exceeding the annual peak production of 60830 m³ of rough stone, 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 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 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. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

7. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
8. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall during the 3rd year, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
9. The PP shall 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.
10. Since the habitations are situated at a distance range of 350 to 800 m from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
11. 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.
12. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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 to the EMP as committed.
16. As accepted by the Project Proponent the CER cost is Rs.5.0 lakhs and the amount shall be spent on the committed activities for Government Hr. Sec School, Kannarpalayam before obtaining CTO from TNPCB.

Agenda No. 330 – 22.

(File No. 8639/2021)

Proposed Rough stone over an extent of 1.03.5ha comprising S.F.No.211/1A of Velampalayam Village, Palladam Taluk, Tiruppur District., Tamil Nadu by Thiru.E.Marimuthu - for Environmental Clearance.(SIA/TN/MIN/400863/2022, Dt: 06.10.2022)

The proposal was placed in 330th SEAC meeting held on 17.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
2. The ToR was issued vide Lr. No. SEIAA-TN/F.No.8639/SEAC/ToR-1072/2021 Dated:01.03.2022 to Thiru.E.Marimuthu for the proposed Rough stone over an extent of 1.03.5ha comprising S.F.No.211/1A of Velampalayam Village, Palladam Taluk, Tiruppur District., Tamil Nadu.
3. Minutes of public hearing conducted on 26.04.2022.
4. Final EIA report submitted on 19.09.2022.
5. Now, the Project Proponent, Thiru.E.Marimuthu has applied for Environmental Clearance with EIA report along with minutes of public hearing for the proposed


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN



Rough stone lease over an extent of 1.03.5ha at S.F.No.58/1 S.F.No.211/1A of Velampalayam Village, Palladam Taluk, Tiruppur District., Tamil Nadu.

6. The precise area communication/lease is issued for the period of 5 years. The approved mining plan is for the period of five years & production should not exceed 85,591 m³ of Rough Stone and the annual peak production shall not exceed 19,305 m³ of rough stone (4th Year). The ultimate depth is 47m BGL.
7. The salient features of the project are as follows:

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.E.Marimuthu S/o.Eshwaramoorthi No.1/506, Manathottam, 63, Velampalayam Palladam Taluk Tiruppur District-641663.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone
3	S.F No. Of the quarry site with area break-up	: 211/1A
4	Village in which situated	: Velampalayam
5	Taluk in which situated	: Palladam
6	District in which situated	: Tiruppur
7	Extent of quarry (in ha.)	: 1.03.5ha (Patta Land)
8	Latitude & Longitude of all corners of the quarry site	: 11°03'58.47" N to 11°04'01.95"N 77°15'44.82"E to 77°15'50.02"E
9	Topo Sheet No.	: 58- E/08
10	Type of mining	: Opencast Mechanized Mining
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m ³)	: 85591m ³ of Rough Stone
13	Depth of quarrying	: 47m below ground level
14	Depth of water table	: 62-58m BGL
15	Man Power requirement per day:	: 17 Nos.
16	Source of Water Requirement	: water vendors
17	Water requirement:	: 4 KLD 1.5 KLD

	12. Drinking & domestic purposes (in KLD) 13. Dust suppression, Green Belt & Wet Drilling (in KLD)		1.5 KLD 1.0 KLD
18	Power requirement		TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication issued by DD/Mines with date	:	Na.Ka.No.293/Kanimam/2021, Dated: 15.06.2021
21	Mining Plan approved by DD/Mines with date	:	Rc.No.293/2021/Mines, Dated: 24.06.2021
22	500m cluster letter issued by DD/Mines with date		Rc.No.293/2021/Mines, Dated: 24.06.2021
23	VAO certificate regarding habitation within 300m radius		Letter dated: 21.06.2021
24	Project Cost	:	Rs.61.76 Lakhs
25	EMP cost	:	Rs 88 lakhs/5 Years @ Rs.15.71 Lakhs/year with an incremental value of 5% each year.
26	CER cost		Rs 5 Lakh
27	ToR Issued details		Tor Issued Lr. No. SEIAA-TN/F.No.8639/SEAC/ToR-1072/2021 Dated:01.03.2022
28	Public Hearing Details		Public hearing conducted on: 26.04.2022.
29	EIA Report Received		EIA received on : 19.09.2022

Based on the presentation and documents furnished by the project proponent, SEAC after considering safety due to high wall (Section XY - AB) & rectification of benches and decided to recommend the proposal for the grant of Environmental Clearance for the ultimate depth of mining upto 47m BGL and the revised quantity of 42,590 m³ of Rough Stone and the annual peak production shall not exceed 19,305 m³ of rough stone 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:



MEMBER SECRETARY
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.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The project proponent shall obtain prior permission from Regional Inspector of *Directorate General of Mines Safety, Chennai* before obtaining CTO from TNPCB.
4. The PP shall send the notice of opening to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
5. The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.
6. The PP shall carry out the scientific studies within a period of six months from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without deviation.
7. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
8. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 35 m (or) after

the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

9. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
10. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
11. 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.
12. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
13. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
15. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

16. 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.
17. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
18. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent for the Panchayat Union Primary School, Moonumadai as committed, before obtaining CTO from TNPCB.

Proposed CER activities committed before SEAC for the Panchayat Union Primary School, Moonumadai	
1.	Renovation of Existing toilet.
2.	Providing benches and desks to the class rooms.
3.	Carrying out plantation in around school.
4.	Providing Environmental related books to school library.
5.	White wash to School class rooms.

Agenda No. 330 – 23.
(File No. 8709/2021)

Proposed Rough Stone and Gravel Quarry over an extent of 2.47.5Ha at S.F.Nos.75 of Chikkarampalayam village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru.C.N.Mani - for Environmental Clearance. (SIA/TN/MIN/401858/2022, Dt: 30.09.2022)

The proposal was placed in 330th SEAC meeting held on 17.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
2. The ToR was issued vide Lr. No. SEIAA-TN/F.No.8709/ToR-1084/2021 Dated: 17.03.2022 to Thiru.C.N.Mani for the proposed Rough Stone and Gravel Quarry over an extent of 2.47.5Ha at S.F.Nos.75 of Chikkarampalayam village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu.
3. Minutes of public hearing conducted on 26.07.2022.
4. Final EIA report submitted on 28.09.2022.
5. Now, the Project Proponent, Thiru.C.N.Mani has applied for Environmental


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Clearance with EIA report along with minutes of public hearing for the proposed Rough Stone and Gravel Quarry over an extent of 2.47.5Ha at S.F.Nos.75 of Chikkarampalayam village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu. The precise area communication/lease is issued for the period of 5 years. The approved mining plan is for the period of five years & production should not exceed 200,603 m³ of Rough Stone and the annual peak production shall not exceed 40,932 m³ of rough stone (1st Year). The ultimate depth is 57m BGL.

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

- i. Revised quantity after formation and stability alignment of benches including photographs shows the fencing & Green belt development.
- ii. Certified compliance report.

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

Agenda No. 330- TA1

(File No: 8185/2020)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.48.0 Ha at S.F.Nos. 224/1B (Part) & 224/2 (Part) of Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.N.Balashanmugam - For Environmental Clearance(SIA/TN/MIN/58095/2020 dated 15.11.2022)

The proposal was placed for appraisal in this 330th Meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).The project proponent gave detailed presentation. **SEAC noted the following:**

1. The Project Proponent, Thiru. N. Balashanmugam has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.48.0 Ha at S.F.Nos. 224/1B (Part) & 224/2 (Part) of Velampalayam Village, Palladam 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. As per the recommendation of SEAC and as accepted by the proponent, the ultimate depth of mining is restricted to 30m BGL and the quantity that shall be mined as per the approved mining plan is 116595 cu.m of Rough stone for a period of five years.
4. ToR issued vide Lr.No.SEIAA-TN/F.No.8185/SEAC/ToR-941/2020 Dated: 27.04.2021
5. Public hearing conducted on 26.04.2022
6. Previous lease granted to Thiru.N.Balashanmugam vide EC: Lr.No.SEIAA-TN/F.No.2523/EC/1(a)/2042/2014 dated:01.04.2015 upto 2020. Existing pit- 14 m BGL
7. Certified Compliance Report vide E.P/12.1/2022-23/SEIAA/159/TN/1203 dated:15.11.2022.

Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.N.Balashanmugam S/o.NanjappaGounder No.120-A, Moonumadaipirivu 63, Velampalayam Mangalam Via, Palladam Taluk Tiruppur District - 641663
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel Quarry
3	S.F No. Of the quarry site with area break-up	: 224/1B (Part) & 224/2 (Part)
4	Village in which situated	: Velampalayam
5	Taluk in which situated	: Palladam
6	District in which situated	: Tiruppur
7	Extent of quarry (in ha.)	: 1.48.0Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast Mechanized Method of Mining
10	Production (Quantity in m ³)	: 116595m ³ of Roughstone with annual peak production of Roughstone is 30940 m ³ (4 th year)
11	Latitude & Longitude of all corners of the quarry site	: 11°03'53.56"N to 11°03'57.88"N 77°15'39.00"E to 77°15'43.94"E
12	Top Sheet No.	: 58-E/08

13	Man Power requirement per day:	19Nos.
14	Precise area communication approved by the District Collector with date	: Na.Ka.No.186/2020/Mines, dated: 24.06.2020
15	Mining Plan approved by the Deputy Director of Geology and Mining with date	: Roc. No.186/2020/Mines, dated: 16.07.2020
16	AD mines 500m cluster letter	Roc. No.186/2020/Mines, dated: 16.07.2020
16	Water requirement: 5. Drinking & domestic purposes (in KLD) 6. Dust suppression 7. Green Belt (in KLD)	: 3.0 KLD 0.6 KLD 1.8 KLD 0.7 KLD
17	Power requirement: a. Domestic Purpose b. Industrial Purpose	TNEB 1,08,468Liters of HSD
18	Depth of quarrying	: 30m BGL
19	Depth of water table	: 62m-58m BGL
20	VAO letter	21.08.2020
21	Project Cost	: 61.29 Lakhs
22	EMP cost	: Capital Cost:Rs. 17,84,600/- Recurring Cost:Rs. 14,08,007/-
23	CER cost	5.0 Lakhs
22	ToR issued	Lr No.SEIAA-TN/F.No.8185/SEAC/ToR-941/2020 Dated: 27.04.2021
23	Public hearing	26.04.2022
24	EIA Report submitted	19.09.2022

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 1,16,595m³ of Rough Stone with an ultimate depth of mining restricted upto 30m below ground level and not exceeding the annual peak production of 30940 m³ of rough stone and, 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:


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 Metalliferrous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs 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. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
7. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
8. The PP shall carry out the scientific studies within a period of **six months** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled

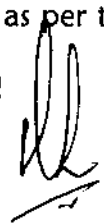
Blasting Operations', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without deviation.

9. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
10. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 4 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
11. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
12. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the


MEMBER SECRETARY
SEAC -TN

75

CHAIRMAN
SEAC- TN



provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.

15. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
18. 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.
19. 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.
20. 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.
21. As accepted by the Project Proponent the CER cost is Rs.5.0 lakhs and the amount shall be spent on the committed activities for Government School, before obtaining CTO from TNPCB.

AGENDA No: 330- TA-02

(File No: 8263/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 2.57.0 Ha at S.F.Nos. 228/2 at Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. Lord Edwinson (Formerly by late Thiru. A. Kumar) – For Environmental Clearance (SIA/TN/MIN/401949/2022, dated 30.09.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent made presentation of the project before the Committee.


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


The SEAC noted the following:

1. The project proponent, Thiru. A. Kumar has applied seeking Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 2.57.0 Ha at S.F.Nos. 228/2 at Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.
3. ToR Issued vide Lr No.SEIAA-TN/F.No.8263/SEAC/ToR-953/2020 Dated: 30.04.2021 to late Thiru. A. Kumar (Father of the proponent)
4. Considering the environment point of view, the Committee decided to restrict the ultimate depth of mining to 15m BGL and the same was accepted by the proponent. Hence the restricted quantity that shall be mined as per the approved mining plan is Rough Stone: 136750 m³.

Based on the presentation and the documents furnished by the Proponent, the Committee directed the proponent to furnish Certified Compliance report pertaining to existing EC. On receipt of the same, the subject will be taken up for further deliberations.

AGENDA No: 330-TA-03

(File No: 8130/2022)

Proposed Rough Stone & Gravel Quarry lease over an extent of 0.89.5Ha in S.F.Nos.17/1A1B of Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Tmt.B.Radhika – For Environmental Clearance. (SIA/TN/MIN/58946/2022, dated 19.09.2022)

The proposal was placed in this 330th meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt.B.Radhika has applied seeking Environmental Clearance for the Proposed of Rough Stone & Gravel Quarry lease over an extent of 0.89.5Ha in S.F.Nos.17/1A1B of Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN 

amended.

3. ToR issued vide Lr No. SEIAA-TN/F.No.8130/SEAC/ToR-925/2020 Dated: 16.04.2021 Restricting the maximum depth of mining from 26m to 21m considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining and consequently the maximum minable quantities of 76420cu.m of Rough stone & 6096cu.m of Gravel are permitted for mining over five years.

4. Public Hearing conducted on 19.04.2022

5. EIA report submitted on 19.09.2022

Based on the presentation and the documents furnished by the Proponent, the Committee decided to call for the following additional particulars from the Proponent:

- The existence of the structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses whether it belonging to the owner (or) not belonging to the owner; with number of occupants, places of worships, if any, factories, sheds, etc.

Hence, after detailed discussions and deliberations, the committee decided to consider the proposal after the submission of aforesaid details by the Proponent/consultant.

Agenda No. 330 – TA4.

(File No. 8184/2021)

Proposed Rough stone & Gravel quarry lease over an extent of 1.21.5ha at S.F.No.58/1 in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.P.Venkatachalam for Environmental Clearance (SIA/TN/MIN/58080/2020, Dt: 22.09.2022)

The proposal was placed in 329th SEAC meeting held on 16.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proposed quarry/activity is covered under Category “B1” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
2. The ToR was issued Lr. No. SEIAA-TN/F.No.8184/SEAC/ToR-932/2020 Dated:16.04.2021 to Thiru.P.Venkatachalam for the proposed Rough stone & Gravel quarry lease over an extent of 1.21.5ha at S.F.No.58/1 in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. Minutes of public hearing conducted on 19.04.2022.
4. Final EIA report submitted on 19.09.2022.
5. Now, the Project Proponent, Thiru.P.Venkatachalam has applied for Environmental Clearance with EIA report along with minutes of public hearing for the proposed Rough stone & Gravel quarry lease over an extent of 1.21.5ha at S.F.No.58/1 in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
6. The precise area communication/lease is issued for the period of 5 years. The approved mining plan is for the period of five years & production should not exceed 1,04,520 m³ of Rough Stone, & 2508 m³ of Gravel. The annual peak production is 22,850 m³ of rough stone (3rd Year), & 2580 m³ of Gravel (1st Year). The ultimate depth is 42m BGL.

Based on the presentation and details furnished by the project proponent, the Committee decided to direct the PP to submit a detailed study on the structures located around the proposed site. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.,. On receipt of the additional details, SEAC will further examine the proposal.


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 Metalliferrous 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.

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


MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN


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



MEMBER SECRETARY
SEAC -TN

83

CHAIRMAN
SEAC- TN


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	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbeck</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	பூசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansonii</i>	Mavalingum	மாலைங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றாப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lanea coromandelica</i>	Odham	ஓதியம்
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	விளை மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அரம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunmai	தறு முள்ளை
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	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Poiavu	புலவு
47	<i>Putranjiva roxburghii</i>	Karipala	கறிபாலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்பங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வெப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்பூரி


 MEMBER SECRETARY
 SEAC - TN


 CHAIRMAN
 SEAC - TN

Appendix –II

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

-----காரங்கம்

காரங்கத்தில் சுவாமி செயல்பாடுகளுக்கான கற்றுத்தரல் அனுமதி கீழ்க்கண்ட திபத்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAA/____, தேதியிடப்பட்டு, கற்றுத்தரல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகலம் பகுதி வளர்ச்சி	சுவாமிநாதர் எல்லாவிதம் கற்று வேலி அமைக்க வேண்டும்
மேம்பாட்டுக்கான காரங்கம் திட்டம்	காரங்கப்பாடையின் ஆழம் தளமட்டத்திலிருந்து மீட்டர் மட்டம் இருக்க வேண்டும். காரங்கில் மாசு ஏற்படாதவாறு காரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீர் முறைப்பாடு தண்ணீர் வாங்குவின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	இனஞ்சல் அமைவதும் தூசி மாகபட்டையும் குறைப்பதற்காக சுவாமிநாதர் எல்லாவிதம் கற்று அடர்த்தியான பகலம் பகுதியை ஏற்படுத்த வேண்டும்.
காரங்கத்தில் வெடி வைக்கும்பொழுது நிலத்திலிருந்து ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்.	
காரங்கத்தில் இருந்து ஏற்படும் இனஞ்சல் அளவு 85 டிசிபல்ஸ் (dB) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
காரங்க சட்ட விதிகள் 1986ன் கீழ் காரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதாநுள்ள கட்டுப்பாறு வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அவ்வது பஞ்சாயத்து வழிபாடு வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து தங்கு பராமரிக்க வேண்டும்.	
காரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் திபத்த தீர்த் தகுதினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
காரங்கத்திலிருந்து கலிம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் தீரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தரல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
காரங்கப்பணிகள் முடிக்கப்பட்டவுடன் காரங்க மூடல் திட்டத்தில் உள்ளவாறு காரங்கத்தினை மூட வேண்டும்.	
காரங்க நடவடிக்கைகளை முடித்தபின்னர் காரங்கப் பகுதி மற்றும் காரங்க நடவடிக்கைகளால் இடைபுறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தரவரங்கன் விவங்குகன் ஆலியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகலம்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான திபத்தனைகளை அறிய பாதிவேஷ் (http://parivesh.ac.in) என்கிற இணையதளத்தைப் பார்க்கவியிடவும் மேலும் எந்தவித கற்றுத்தரல் சார்ந்த புகார்கள் சென்னையில் உள்ள கற்றுத்தரல் மற்றும் வன அமைச்சத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) துரிதாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தரல் பொறுப்பாளரை அணுகவும்.	

MEMBER SECRETARY
SEAC -TN

87

CHAIRMAN
SEAC - TN