

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 314th Meeting of the State Expert Appraisal Committee (SEAC) held on 23.9.2022 September 2022 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 314-01

(File No: 9302/2022)


Proposed Rough Stone and Gravel quarry lease area over an extent of 2.02.0Ha at S.F.No. 100/1B(PART) of Nachipalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. S.Karthick- For Environmental Clearance. (SIA/TN/MIN/276568/2022, dated: 07.06.2022).

The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

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

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. S.Karthick S/o.Soundarrajan No.27A, 4th Avenue Gokulam Colony, Kovaipudur, Coimbatore District - 641042
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. 100/1B(Part)
4.	Village in which situated	Nachipalayam Village
5.	Taluk in which situated	Madukkarai Taluk
6.	District in which situated	Coimbatore District
7.	Extent of Quarry (in ha.)	2.02.0ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Semi Mechanized Mining


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. 2,95,480 m ³ of Rough stone and 30,744 m ³ of Gravel for five years with ultimate depth of mining 42m below ground level The Annual peak production as per mining plan is 59,090 m ³ of Rough stone and 30,744 m ³ of Gravel.
11.	Latitude & Longitude of all corners of the quarry site	10°51'51.14" N to 10°51'55.40" N 76°56'46.82"E to 76°56'53.98"E
12.	Topo sheet No.	58 - B/13
13.	Man power requirement per day:	25 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.1337/Mines/2021, Dated: 08.04.2022.
15.	Mining plan approved by the Assistant Director (i/c)/ Joint Director of Geology and Mining with date	Rc.No.1337/Mines/2021, Dated: 22.04.2022.
16.	500mts letter approved by the Assistant Director of Geology and Mining with date	Rc.No.1337/Mines/2021, Dated: 22.04.2022.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	2.5KLD 1.0KLD 1.0KLD 0.5KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB No electricity is required for quarry operation
19.	Depth of Mining	42m Below ground level
20.	Depth of Water table	58m below ground level
21.	Whether any habitation within 300m distance	There is no approved habitation within 300m distance.
22.	VAO letter dated	26.04.2022

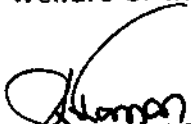

MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

23.	Project cost	Rs. 71,32,000/-
24.	EMP cost	Rs. 4,70,000/-
25.	CER cost	Rs.5,00,000/-

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 2,95,480 m³ of Rough stone and 30,744 m³ of Gravel by maintaining a ultimate depth of 42m below ground level for a period of five years and the annual peak production of 59,090 m³ of Rough stone and 30,744 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:


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. 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/Chennai Region 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 before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. 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

3


CHAIRMAN
SEAC- TN


6. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
7. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
8. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry exceeds 30m after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
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 touched 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT Surathkal – Dept of Mining Engg. Anna University Chennai-CEG Campus. and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. As the habitations are located nearby, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
11. The PP shall carry out maximum of two rounds of controlled blast only 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 300 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

12. Since few habitations are situated at a distance range of 400 to 500 m from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
13. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
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 as per the provisions of MMR 1961.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
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. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

20. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent on the committed activities for GTR HSS, Coimbatore Anaikatti before obtaining CTO from TNPCB.

Agenda No: 314-02

(File No: 9316/2022)

Proposed Rough Stone and Gravel quarry lease area over an extent of 2.07.21Ha at S.F.No.483/1A4B & 483/1A4C of Mecode Village, Thiruvattar Taluk, Kanniyakumari District, Tamil Nadu by Tmt. Anitha Raja Bai - For Environmental Clearance. (SIA/TN/MIN/277968/2022, dated: 13.07.2022).

The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. Anitha Raja Bai has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 2.07.21 Ha at S.F.Nos. 483/1A4B & 483/1A4C at Mecode Village, Thiruvattar Taluk, Kanniyakumari 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 presentation, the Committee had observed that the site is a hilly terrain and presence of vegetation is found around the quarry as also a water course at a distance of 200 m -300 m from the proposed mine, and hence SEAC decided to carry out a site inspection by sub-committee to assess the present status of the project and environmental settings.

On the receipt of the subcommittee report, further deliberation will be carried out.

Agenda No: 314-03

(File No: 9365/2022)

Proposed Earth quarry lease area over an extent of 4.37.0 Ha at S.F.No. 342/1, 343/1 and 343/2 of Erwadi Village, Keelakkarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru.K. Raja- For Environmental Clearance. (SIA/TN/MIN/280816/2022, dated: 29.06.2022).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

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

Sl. No.	Details of the Proposal		
1.	Name of the Owner / Firm	Thirup. K. Raja S/o. Karuppaiah, No.457, Sithi Vinayagar Kovil Street, Thasildhar Nagar, Melamadai, Madurai District-625020	
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Earth Quarry	
3.	S.F No. of the quarry site with area break-up	S. F. No. 342/1, 343/1 and 343/2	
4.	Village in which situated	Erwadi Village	
5.	Taluk in which situated	Keelakkurai Taluk	
6.	District in which situated	Ramanathapuram District	
7.	Extent of Quarry (in ha.)	4.37.0 ha	
8.	Period of Quarrying proposed	One year	
9.	Type of Mining	Opencast Semi Mechanized Mining	
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 1 year. 52821 m ³ of Earth for one year with ultimate depth of mining 1.5m.	
11.	Latitude & Longitude of all corners of the quarry site	LATITUDE	LONGITUDE
		9°12'25.68"N	78°41'27.85"E
		9°12'21.41"N	78°41'27.85"E
		9°12'20.98"N	78°41'24.06"E
		9°12'16.64"N	78°41'24.07"E
		9°12'16.26"N	78°41'23.14"E
		9°12'16.18"N	78°41'22.15"E
		9°12'15.81"N	78°41'20.41"E

MEMBER SECRETARY
SEAC -TN

7

CHAIRMAN
SEAC -TN

			9°12'21.14"N	78°41'19.60"E	
			9°12'22.80"N	78°41'19.20"E	
			9°12'23.07"N	78°41'20.22"E	
			9°12'23.00"N	78°41'24.15"E	
			9°12'23.97"N	78°41'24.25"E	
			9°12'25.83"N	78°41'23.91"E	
12.	Topo sheet No.	58 K/11			
13.	Man power requirement per day:	2 Employees			
14.	Precise Area Communication approved by the District Collector	Roc.No. G & M/56/ 2022, Dated 16.05.2022.			
15.	Mining plan approved by the Assistant Director (i/c)/ Joint Director of Geology and Mining with date	Roc.No. G & M/56/ 2022, Dated 22.06.2022.			
16.	500mts letter approved by the Assistant Director of Geology and Mining with date	Roc.No. G & M/56/ 2022, Dated 22.06.2022.			
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	2.0KLD 1.0KLD 1.0KLD			
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB No electricity is required for quarry operation			
19.	Depth of Mining	1.5m Below ground level			
20.	Depth of Water table	Depth of Summer season = 10m Depth of Rainy season = 5m			
21.	Whether any habitation within 300m distance	Muttuvalasai – 0.560m- SE			
22.	Project cost	Rs.14,18,000/-			
23.	EMP cost	Rs.1,25,000/- Capital cost: Rs.10,56,000/- Recurring cost:Rs.95,000/-			
24.	CER cost	Rs.2,00,000/-			

MEMBER SECRETARY
SEAC - TN

CHAIRMAN
SEAC - TN


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 52821m³ of Earth by maintaining an ultimate depth of 1.5m for a period of one year, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and other competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metaliferrous Mines Regulations, 1961 respectively.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall 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.
6. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The drains should be regularly de silted and maintained properly.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

7. Further, the PP shall construct the gariand drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
8. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
9. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
10. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
11. 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.
12. As accepted by the Project Proponent Rs.2 lakhs shall be remitted to DFO, Gulf of Mannar and the amount shall be spent for doing conservation activities in the Ecological Sensitive area (Gulf of Mannar) before obtaining CTO from TNPCB.
13. As accepted by the Project Proponent the CER cost is Rs. 2 lakhs and the amount shall be spent on the committed activities for Panchayat Union Middle School, Chinna Erwadi before obtaining CTO from TNPCB.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.


MEMBER SECRETARY
SEAC -TN

10


CHAIRMAN
SEAC-TN

Agenda No: 314-04

(File No: 9377/2022)

Proposed Rough Stone quarry lease area over an extent of 0.81.0 Ha at S.F.No. 415/3B, of Vellarivelli Village, Edappadi Taluk, Salem District, Tamil Nadu by Thiru. K. Ravisuthan - For Environmental Clearance.(SIA/TN/MIN/280987/2022, dated: 01.07.2022).

The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. K. Ravisuthan has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 0.81.0 Ha at S.F.Nos. 415/3B, at Vellarivelli Village, Edappadi 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 and documents furnished by the project proponent, SEAC decided to obtain the following details.

- (i) The project proponent shall furnish certified compliance report.
- (ii) The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building - commercial/industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures-whether it belongs to the PP (or) not, etc.
- (iii) 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 and shall furnish the details of the photographs/map showing the same and the tree plantation completion work as committed earlier.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 314 - 05

(File No: 9373/2022)

Proposed Rough Stone quarry lease over an extent of 0.89.0Ha at S.F.No.229/1, Ammapatti Village, Vendasandur Taluk, Dindigul District, Tamil Nadu by Thiru P. Krishnan for Environmental Clearance. (SIA/TN/MIN/ 238639/2022, Dt. 21.03.2022)

The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. P.Krishnan S/o.Perumal, No.3/120/4, Othappatti Paganatham Dindigul - 624702
2	Type of quarrying	: Rough stone
3	S.F No. Of the quarry site	: 229/1
4	Village in which situated	: Ammapatti
5	Taluk in which situated	: Vendasandur
6	District in which situated	: Dindigul
7	Extent of quarry (in ha.)	: 0.89.5
8	Latitude & Longitude of all corners of the quarry site	: 10°32'52.89"N to 10°32'526.02"N 78°00'32.61"N to 78°00'36.76" N
9	Type of mining	: Opencast Semi mechanized mining
10	Period of quarrying proposed	: 5 years
11	Production (Quantity in m ³)	: 84,426m ³ of rough stone. The Annual peak production 17,920 m ³ of Rough Stone at 3 rd year.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

12	Depth of quarrying	:	Proposed: 37m (2m AGL + 35m BGL); Permitted & Accepted: 32 m (2m AGL + 30m BGL)
13	Depth of water table	:	52m in rainy season & 55m in summer season
14	Precise area communication approved by the, Assistant Director, with date	:	Na.Ka.No. 121/ 2021 (Kanimam), dated: 06.05.2021
15	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Roc.No. 121/ 2021 (Mines), dated: 24.08.2021
16	Assistant Director, Department of Geology and Mining 500m cluster letter	:	Roc.No. 121/ 2021 (Mines), dated: 24.08.2021
17	Whether any habitation within 300m distance	:	No
18	VAO certificate regarding 500m radius cluster	:	Letter dated: 26.10.2021

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safe environment of the quarry by not extracting the last bench (bench no. VIII), the ultimate depth of mining is allowed to be maintained upto 32m only (2m AGL + 30m BGL) and the quantity of ^{85,706} ~~84,426~~ m³ of rough stone with the Annual peak production 17,920 m³ of Rough Stone at 3rd year, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster/mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.

MEMBER SECRETARY
SEAC -TN

13

CHAIRMAN
SEAC- TN

3. The PP shall inform the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The PP shall furnish the details of final mine closure strategies and the details on amount to be deposited into the DMF account to the TNPCB before obtaining the CTO and a copy of the same shall be informed to the SEIAA and IRO/MoEF, Chennai.
5. As the villages are located in the range of 700 m to 1 km distance, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
6. The PP shall carry out maximum of two rounds of controlled blast only 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 500 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.
7. Since few habitations are situated at a distance range of 700 m from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
8. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 30 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.

9. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
10. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
11. As accepted by the Project proponent the CER cost is Rs.5 lakhs and the amount shall be spent for the Government High School, Devanaickenpatti Village as committed, before obtaining CTO from TNPCB.

Agenda No: 314 - 06


(File No: 9304/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.70.0Ha at S.F.No.722/A(P) & 723/A1(P) of Senapathipalayam Village, Kangeyam Taluk, Tiruppur District, Tamil Nadu by M/s.Erode Mines for Environmental Clearance. (SIA/TN/MIN/ 275854/2022, 31.05.2022)

The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

- 1.The Project Proponent, M/s. Erode Mines has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.70.0Ha at S.F.No.722/A(P) & 723/A1(P) of Senapathipalayam Village, Kangeyam Taluk, Tiruppur, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 287040m³ of Rough Stone, 45978m³ of


MEMBER SECRETARY
SEAC -TN

15


CHAIRMAN
SEAC- TN

Gravel. The annual peak production 69160m³ of Rough Stone (1st year), 45978m³ of Gravel (1st year) The ultimate depth - 48m BGL as per the approved Mining Plan.

Sl. No	Details of the Proposal		
1.	Name of the Owner/Firm	:	M/s. Erode Mines Jeevanantham B (Partner) No.25, Bheardhsel Garden East Main Road Mettur Dam Salem -636 401
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone and Gravel
3.	S.F No. Of the quarry site with area break-up	:	722/A(P) & 723/A1(P)
4.	Village in which situated	:	Senapathipalayam
5.	Taluk in which situated	:	Kangeyam
6.	District in which situated	:	Tiruppur
7.	Extent of quarry (in ha.)	:	1.70.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	10°54'56.85"N to 10°54'54.73"N 77°44'38.97"E to 77°44'32.69"E
9.	Topo Sheet No.	:	58 - F/09
10.	Type of mining	:	Opencast Mechanized Mining method
11.	Period of quarrying proposed	:	5 years
12.	Production (Quantity in m ³)	:	287040m ³ of Rough Stone & 45978 of Gravel
13.	Depth of quarrying	:	Proposed: 48m; Permitted & Accepted: 43 m
14.	Depth of water table	:	63m BGL
15.	Man Power requirement	:	18 Nos.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC -TN

	per day:		
16.	Source of Water Requirement		water vendors
17.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	: 	1.5 KLD 0.5 KLD 0.5 KLD 0.5 KLD
18.	Power requirement		TNEB
19.	Whether any habitation within 300m distance	:	No
20.	VAO certificate regarding 300m radius cluster		Letter dt: 20.05.2022
21.	Precise area communication approved by the, District Collector, with date	:	Rc.No.578/Kanimam/2021, dt:01.03.2022
22.	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	Rc.No.578/2021/Mines, dt:19.04.2022
23.	Deputy Director, Department of Geology and Mining 500m cluster letter		Rc.No.578/2021/Mines, dt:26.04.2022
24.	Project Cost (excluding EMP cost)	:	Rs.49.96 Lakh
25.	EMP cost	:	Capital Cost: Rs.2.88 Lakhs Recurring Cost: Rs.19.74 Lakhs
26.	CER cost		Rs.5.00 Lakhs


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safe environment of the quarry by not extracting the last bench (bench no. X), the ultimate depth of mining is restricted upto 43m BGL only for the removal quantity of 283080m³ of Rough Stone, & 45978m³ of Gravel with maintaining the Annual Peak Production capacity of 69160 m³ (1 year) subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
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. The PP shall maintain a safety zone of 7.5 m invariably along the North-West side of the proposed quarry adjacent to the existing neighbouring quarry and it


MEMBER SECRETARY
SEAC -TN

18


CHAIRMAN
SEAC-TN

shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.


7. Since the proposed quarry is placed in a cluster situation, the PP shall ensure that the 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.
8. 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.
9. Since the habitations are situated at a distance range of 560 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 NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall ensure that a 'Code of Practice for carrying out the blasting operation near the common boundary' (North-West side of the proposed quarry) is framed by the statutory Mine Managers of the both quarries in consultation with each other confirming safe withdrawal of persons from danger


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

zone during the blasting and developing a full proof system of warning persons in the danger zone on both the quarries before blasting and the same shall be implemented.

11. The PP shall furnish the aforesaid 'Code of Practice for carrying out the blasting operation near the common boundary', 'sequence of quarrying operation' and 'modalities for working' near the common boundary, framed jointly by the statutory Mine Managers of the both quarries within six months of commencement of quarrying operation to the SEIAA, AD (Geology & Mines), DEE/TNPCB, IRO/MoEF and Director of Mines Safety, Chennai.
12. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
13. The Project Proponent (PP) shall furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
14. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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 lakhs and the amount shall be spent for the Panchayat Union Middle School, Velappanaikenvallasu Village as committed, before obtaining CTO from TNPCB.

Agenda No.314 – 07.

(File No. 9318/2022)

Proposed Gravel quarry lease over an extent of 1.85.5Ha at S.F.No.35/3A, 35/3B, 35/4 and 35/5 of Melachokkanathapuram Village, Bodinayakanur Taluk, Theni District, Tamil Nadu by Thiru.S.Radhakrishnan - For Environmental Clearance. (SIA/TN/MIN/276461/2022, dt: 04.06.2022)

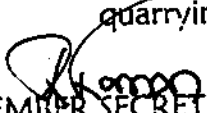
The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S.Radhakrishnan has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.85.5Ha at S.F.No.35/3A, 35/3B, 35/4 and 35/5 of Melachokkanathapuram Village, Bodinayakanur Taluk, Theni District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 3 years. The mining plan is for the period of 10 years & the production should not exceed 5336m³ of Gravel. The annual peak production 5336m³ of Gravel (1st year). The ultimate depth – 2m BGL.

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

- i) Letter from DFO, Theni District in regard to shortest distance/ of the proposed quarrying area from Bodi West Hills Reserve Forest.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- ii) The proponent should produce a letter from the concerned Asst Director (Geology & Mines) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals and also does not come under any notified/declared protected zones in terms of the recent Judgment of Hon'ble Madras High Court.

Agenda No. 314 – 08.

(File No. 9353/2022)

Proposed Gravel quarry lease over an extent of 4.17.66Ha at S.F.No.1438/1B, 1438/2B, 1438/3, 1438/1C, 1438/2C, 1486/1A and 1486/1B of Shanmugasundrapuram Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru.N.Gubendran for Environmental Clearance.(SIA/TN/MiN/276517/2022, dt: 07.06.0222)


The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.N.Gubendran has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 4.17.66Ha at S.F.No.1438/1B, 1438/2B, 1438/3, 1438/1C, 1438/2C, 1486/1A and 1486/1B of Shanmugasundrapuram Village, Andipatti Taluk, Theni District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 3 year. The mining plan is for the period of 3year & the production should not exceed 66638 m³ of Gravel. The maximum depth of mining would be 2 metres below ground level.

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

- i) NBWL Clearance as the proposed site lies within the default 10 km distance from the Srivilliputhur, Megamalai Tiger Reserve.
- ii) The proponent should produce a letter from the concerned Asst Director (Geology & Mines) stating that the location of quarry site does not lie


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

adjoining to the rivers, streams, canals and also does not come under any notified/declared protected zones in terms of the above Judgment.

Agenda No. 314-09

(File No. 9116/2022)

Proposed Rough Stone and Gravel quarry over an extent of 4.30.0 Ha in S.F.No. 246 of Karattupalayam "B" Village, Nambiyur Taluk, Erode District, Tamil Nadu by Thiru.P.Balaji- Environmental Clearance (SIA/TN/MIN/262455/2022 dated 18.03.2022)

The proposal was placed in this 314th Meeting of SEAC held on 23.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

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

Details of the Proposal		
1.	Name of the Owner / Firm	P.Balaji S/o.K.M.Palanisamy No. 1/96, Kallankattuvalasu, Polavakkalipalayam, Gobichettipalayam Taluk, Erode District – 638 476
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	246
4.	Village in which situated	Karattupalayam "B"
5.	Taluk in which situated	Nambiyur
6.	District in which situated	Erode
7.	Extent of Quarry (in ha.)	4.30.0 ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Total Production (Quantity)	419060 m ³ of Rough stone, 42894 m ³ of

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC-TN

	in m ³)	Weathered Rock & 47490 m ³ of gravel, 40161 m ³ of Existing Gravel Dump; Annual Peak production capacity: 1,04,095 m ³ of Rough stone.
11.	Latitude & Longitude of all corners of the quarry site	11°24'24.60"N to 11°24'33.48"N 77°19'33.20"E to 77°19'40.19"E
12.	Topo sheet No.	57 - E/07
13.	Man power requirement per day:	47 Employees
14.	Precise Area Communication approved by Deputy Director, with date	Rc.No.983/kanimam/2021, dated:30.12.2021
15.	Mining plan approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.983/mines/2021, dated:07.02.2022
16.	500mts letter approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.983/mines/2021, dated:18.02.2022
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	2.3 KLD 0.5 KLD 1.0 KLD 0.8 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 350318 Liters of HSD will be utilized for entire project life
19.	Depth of Mining	Existing Depth: 11.5 m Proposed & Approved Depth : 44m BGL
20.	Depth of Water table	70-65m BGL
21.	Project cost	Rs. 1,09,20,000/-
22.	EMP cost	Capital cost: Rs. 15,91,000/- Recurring cost: Rs. 23,13,400/-
23.	CER cost	5 lakhs
24.	VAO letter dated	02.02.2022

MEMBER SECRETARY
SEAC - TN

CHAIRMAN
SEAC - TN

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total excavation of 419060 m³ of Rough stone, 42894 m³ of Weathered Rock & 47490 m³ of gravel, by maintaining the Ultimate pit depth of 44 m and 40161 m³ of Existing Gravel Dump placed within the mining lease, with not exceeding the Annual Peak production capacity of 1,04,095 m³ of Rough stone & 35,334 m³ of Gravel, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular. 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

6. The PP shall maintain a safety zone of 7.5 m invariably along the South side of the proposed quarry adjacent to the neighbouring quarry and it shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.
7. 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.
8. 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.
9. Since the habitations are situated at a distance range of 700 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 NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
11. The Project Proponent (PP) shall furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

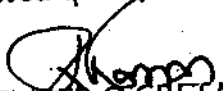
12. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
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 lakhs and the amount shall be spent for the activities in Panchayath Union Primary School, Nambiyur, Erode District & Elephant water hole in consultation with concern DFO as committed, before obtaining CTO from TNPCB.

Agenda No: 314-10

(File No: 9408/2022)

Proposed Earth quarry lease over an extent of 3.46.98 Ha (Patta Land) in S.F.No. 62/1, 63/1B & 63/2B Kothapatti Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru R.Nagaraj- For Environmental Clearance (SIA/TN/MIN/285353/2022 Dated 26.07.2022)

The proposal was placed in the 314th meeting of SEAC held on 23.09.2022. The project proponent presented the details of the proposed quarry. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The SEAC noted of the following:

1. The Project Proponent, Thiru. R.Nagaraj has applied for Environmental Clearance for the proposed Earth quarry over an extent of 3.46.98 Ha (Patta Land) in S.F.No. 62/1, 63/1B & 63/2B Kothapatti Village, Andipatti Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 3 years and the proposed mining plan for the period of 3 years with the production should not exceed 33532 cu.m. of Earth. The ultimate depth is 2m BGL.

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

1. The Srivilliputhur Megamalai Tiger Reserve is located at a distance of 1.9km (SE) and hence the PP shall obtain NBWL clearance, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.
2. The proponent should produce a letter from the concerned Asst Director (Geology & Mines) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals and also does not come under any notified/declared protected zones in terms of the above Judgment.

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


AGENDA No: 314-11

(File No: 7661/2022)

Proposed Rough stone quarry lease over an Extent of 4.55.0 Ha in S.F. Nos. 126/2(P), 127/1(P), 133/1(P), 133/2(P) Thennilai East Village of Pugalur Taluk, Karur District, Tamil Nadu by Tvl. Teru Murugan Blue Metal- For Environmental Clearance.

(SIA/TN/MIN/54182/2020, dated 01.11.2021)

The proposal was placed in this 314th meeting of SEAC held on 28.09.2022. The


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

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, Tvl. Teru Murugan Blue Metal has applied seeking Environmental Clearance for the proposed Rough stone quarry lease over an Extent of 4.55.0 Ha in S.F. Nos. 126/2(P), 127/1(P), 133/1(P), 133/2(P) Thennilai East Village of Pugalur Taluk, karur District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.
3. ToR issued along with Public Hearing vide T.O Lr No.SEIAA-TN/F.No.7661/SEAC/ToR-787/2020 Dated: 06.10.2020
4. Public Hearing minutes dated: 14.09.2021
5. EIA Submitted on 01.11.2021

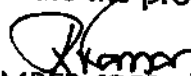
Sl. No	Details of the proposal	
1.	Name of the Owner/Firm	Tvl. Teru Murugan Blue Metals, Thiru. P. Subramani, Managing Partner S.F.No.506, Kattumunnur, Pugalur Taluk Karur – 639 111
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough stone
3.	S.F No. Of the quarry site with area break-up	S.F. Nos. 126/2(P), 127/1(P), 133/1(P), 133/2(P)
4.	Village	Thennilai (East)
5.	Taluk	Pugalur
6.	District	Karur
7.	Extent of quarry (in ha.) Govt land/patta land:	4.55.0Ha
8.	Period of quarrying proposed	5 years
9.	Type of mining	Opencast Mechanised
10.	Production (Quantity in m3)	As per the mining plan, the production for 5 years not to exceed 2,44,209 m ³ of Rough stone for an ultimate depth of 42m below

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		ground level.																					
		The Annual peak production as per mining plan is 52,650 m ³ of Rough stone (4 th year).																					
11.	Depth of quarrying	42m below ground level																					
12.	Latitude & Longitude of all corners of the quarry site	<table><tr><td>10° 59' 08.89"N</td><td>77° 53' 06.81"E</td></tr><tr><td>10° 59' 11.08"N</td><td>77° 53' 06.20"E</td></tr><tr><td>10° 59' 10.18"N</td><td>77° 53' 03.11"E</td></tr><tr><td>10° 59' 09.38"N</td><td>77° 53' 01.45"E</td></tr><tr><td>10° 59' 14.38"N</td><td>77° 53' 59.75"E</td></tr><tr><td>10° 59' 14.68"N</td><td>77° 53' 00.62"E</td></tr><tr><td>10° 59' 16.79"N</td><td>77° 53' 07.67"E</td></tr><tr><td>10° 59' 15.40"N</td><td>77° 53' 08.09"E</td></tr><tr><td>10° 59' 13.07"N</td><td>77° 53' 08.78"E</td></tr><tr><td>10° 59' 09.80"N</td><td>77° 53' 09.34"E</td></tr></table>		10° 59' 08.89"N	77° 53' 06.81"E	10° 59' 11.08"N	77° 53' 06.20"E	10° 59' 10.18"N	77° 53' 03.11"E	10° 59' 09.38"N	77° 53' 01.45"E	10° 59' 14.38"N	77° 53' 59.75"E	10° 59' 14.68"N	77° 53' 00.62"E	10° 59' 16.79"N	77° 53' 07.67"E	10° 59' 15.40"N	77° 53' 08.09"E	10° 59' 13.07"N	77° 53' 08.78"E	10° 59' 09.80"N	77° 53' 09.34"E
10° 59' 08.89"N	77° 53' 06.81"E																						
10° 59' 11.08"N	77° 53' 06.20"E																						
10° 59' 10.18"N	77° 53' 03.11"E																						
10° 59' 09.38"N	77° 53' 01.45"E																						
10° 59' 14.38"N	77° 53' 59.75"E																						
10° 59' 14.68"N	77° 53' 00.62"E																						
10° 59' 16.79"N	77° 53' 07.67"E																						
10° 59' 15.40"N	77° 53' 08.09"E																						
10° 59' 13.07"N	77° 53' 08.78"E																						
10° 59' 09.80"N	77° 53' 09.34"E																						
13.	Topo Sheet No.	58 - F/13																					
14.	Man Power requirement per day	39 Nos																					
15.	Precise area communication	Rc.No.555/Mines/2019, Dated: 13.03.2020																					
16.	Mining Plan	Rc.No.555/Mines/2019, Dated: 22.05.2020.																					
17.	500m cluster letter	Rc.No.555/Mines/2019, Dated: 27.05.2020.																					
18.	Total Water requirement	5.0KLD																					
19.	Power requirement for domestic purpose	TNEB																					
20.	Depth of water table	63m-58m																					
21.	Whether any habitation within 300m distance	No as per the VAO Letter																					
22.	Project Cost	Rs. 66,47,300/-																					
23.	EMP cost	Capital Cost Rs. 14,40,000/- Recurring Cost Rs. Rs. 24,08,900/-Annum																					
24.	CER cost	Rs.10 Lakh																					
25.	VAO certificate regarding habitation within 300m radius	Dated: 18.05.2020																					

From the presentation made & the documents furnished by the Project proponent SEAC decided to recommend the proposal for the grant of Environmental Clearance to excavate the production quantity of not exceeding 2,34,636 m³ of Rough stone keeping


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


the ultimate depth of 42m BGL, with an annual peak production shall not exceed 52.650 m³ of Rough stone at any time during the execution of the project 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:

2. 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.
1. 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.
2. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
3. The proponent shall 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.
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. Considering the safe environment of the quarry, the PP shall leave a bench having the width of not less than 10 m which act as the safety berm against the highwall of 9 m exists at the North-east side of the current pit, shown in the section drawn along XY-EF of 'Development and Production Plan & Section' submitted as a part of Mining Plan.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

6. The PP shall maintain a safety zone of 7.5 m invariably along the South side of the proposed quarry adjacent to the neighbouring quarry and it shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.
7. The PP shall carry out the shallow depth Jack hammer drilling (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.
8. 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.
17. Since few habitations are situated at a distance of 430 m from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai- Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
11. The Project Proponent (PP) shall submit the 'Slope stability action plan' to the office of concerned AD (Mines) before obtaining CTO from TNPCB incorporating a safety berm width of not less than 10 m against the highwall of 9 m existing at the North-east side of the pit existent as shown in the section drawn along X-Y in

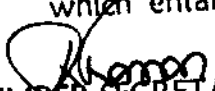

MEMBER SECRETARY
SEAC-TN

32


CHAIRMAN
SEAC-TN

the 'Yearwise Development & Production Plan and Sections' and accordingly the benches shall be formed downwards with required bench geometry.

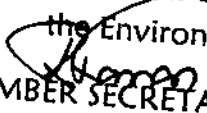
12. However, the PP shall carry out the scientific studies to assess the slope stability of the existing benches and quarry wall within one year of the commencement of mining operations, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
13. 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.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
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. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
17. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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.

18. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
19. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
20. 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.
21. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated. In addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
22. 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.
23. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
24. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.


MEMBER SECRETARY
SEAC - TN



CHAIRMAN
SEAC - TN

25. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
26. 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.
27. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
28. The proponent shall ensure that the transportation of the quarried stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried stones; and transport of stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
29. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
30. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
31. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skilful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
32. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

33. 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.
34. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
35. All the conditions imposed by the 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.
36. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
37. That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
38. 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.
39. 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.
40. As accepted by the Project Proponent the CER cost is Rs. 10 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

AGENDA No: 314-12

(File No: 9313/2022)

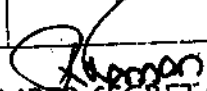
Proposed Gravel Quarry lease over an Extent of 4.21.00 Ha Patta land in S.F.Nos.101 at Thirumalaipuram Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. P. Pothiraj- For Environmental Clearance. (SIA/TN/MIN/276786/2022, dated 09.06.2022)

The proposal was earlier placed in 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. P. Pothiraj has applied seeking Environmental Clearance for Proposed Gravel Quarry lease over an Extent of 4.21.00 Ha Patta land in S.F.Nos. 101 at Thirumalaipuram Village, Aruppukottai Taluk, Virudhunagar 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.

Details of the Proposal		
1.	Name of the Owner/Firm	Thiru. P. Pothiraj S/o. Shri. Pothiraj 78, West street, Krishnapuram Suthamadam Aruppukottai Virudhunagar-626101
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Gravel
3.	S.F No. Of the quarry site with area break-up	101
4.	Village	Thirumalaipuram
5.	Taluk	Aruppukottai
6.	District	Virudhunagar
7.	Extent of quarry (in ha.)	4.21.00Ha
8.	Period of quarrying proposed	3 years
9.	Type of mining	Open-cast mechanized method is proposed without drilling and blasting


MEMBER SECRETARY
SEAC -TN

37


CHAIRMAN
SEAC - TN

10.	Production (Quantity in m3)	As per the mining plan, the production for 3 years not to exceed 71,910m ³ of Gravel for an ultimate depth of 2m BGL. The Annual peak production as per mining plan is 23,970 m ³ of Gravel (1 st year).
11.	Depth of quarrying	2m BGL
12.	Latitude & Longitude of all corners of the quarry site	09° 22' 55.08"N to 09° 22' 57.9"N 78° 14' 23. 6"E to 78° 14' 33.6"E
13.	Topo Sheet No.	58-K/3 & 7
14.	Man Power requirement per day	12 Nos
15.	Precise area communication	Roc.No. KV3/205/2022 dated 29.04.2022
16.	Mining Plan	Rco.No. KV3/205/2022 dated 12.05.2022
17.	500m cluster letter	Roc.No. KV3/205/2022 dated 12.05.2022
18.	Total Water requirement 3. Drinking & domestic purposes (in KLD) 4. Dust suppression & Green Belt (in KLD)	0.65kLD 0.2 kLD 0.3 & 0.15 kLD
19.	Depth of water table	40m-45m
20.	Whether any habitation within 300m distance	No habitations within the radius of 300m as per VAO letter
21.	Project Cost (including EMP cost)	Rs. 17,52,250/-
22.	EMP cost	Capital Cost -Rs. 8.60 lakh Recurring Cost - Rs. 1.80 Lakh/Annum
23.	CER cost	Rs. 2,00,000/-
24.	VAO certificate regarding habitation within 300m radius	Letter Dated: 02.05.2022

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 71,910m³ of Gravel for an ultimate depth of 2m BGL and the annual peak production as per mining plan is 23,970 m³ of Gravel (1st year) subject to the standard conditions & normal conditions stipulated by MoEF&CC, in addition to the following specific conditions:


MEMBER SECRETARY
SEAC -TN

38


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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and other competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The drains should be regularly de silted and maintained properly.
6. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
7. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
8. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan

modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

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


MEMBER SECRETARY
SEAC - TN

40



CHAIRMAN
SEAC - TN

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
28. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
29. That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
30. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
31. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
32. As accepted by the Project Proponent the CER cost is Rs. 2 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCCB.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN

AGENDA No: 314-13

(File No: 9327/2022)

Proposed Rough stone and Gravel Quarry lease over an Extent of 1.81.0Ha Patta land in S.F.No. 182/2A2 at Vilangampadi Village, Tindivanam Taluk, Villupuram District, Tamil Nadu by Thiru.S.Kumaresan, – For Environmental Clearance.
(SIA/TN/MIN/276786/2022, dated 09.06.2022)

The proposal was placed in this 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project/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 S.Kumaresan S/o.Mr.Suburayan No.13, 1st cross street Pon Nagar Reddiyarpalayam Pondichery-605010
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone and Gravel
3.	S.F No. of the quarry site with area break-up	182/2A2
4.	Village	Vilangampadi
5.	Taluk	Tindivanam
6.	District	Viluppuram
7.	Extent of quarry (in ha.)	1.81.0Hectare / Patta Land
8.	Period of quarrying proposed	5 Years
9.	Type of mining	Opencast, Semi-Mechanized mining
10.	Production (Quantity in m3)	Geological Reserves: 723520 m ³ Rough stone, 36176m ³ of Gravel. As per the mining plan, lease period is 10 years and the production for first 5 year of Mining Plan not to exceed 1,83,500 m ³ Rough stone.



MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

		21,600m ³ of Gravel for an ultimate depth of 45m BGL & Annual peak production of 42,550 m ³ of Rough stone (2 nd year).
11.	Depth of quarrying	Ultimate Depth: 45 m; Planned depth of working for first five years: 35 m.
12.	Latitude & Longitude of all corners of the quarry site	12°7' 28.83"N to 12°7'35.38"N 79° 36' 09.31"E to 79° 36' 17.15"E
13.	Topo Sheet No.	57-P/12
14.	Man Power requirement per day	16 Nos
15.	Precise area communication	Rc.No.B/G/M/01/2021, Dated 30.05.2022
16.	Mining Plan	Roc.No. B/G/M/01/2021, Dated 08.06.2022
17.	500m cluster letter	Roc.No. B/G/M/01/2021, Dated 08.06.2022
18.	Total Water requirement	4.0kLD
	5. Drinking & domestic purposes (in KLD)	2.0 kLD
	6. Dust suppression & Green Belt (in KLD)	1.0 kLD & 1.0 kLD
19.	Depth of water table	55m-50m
20.	Whether any habitation within 300m distance	No as per VAO letter
21.	VAO certificate regarding habitation within 300m radius	Letter dated : 09.06.2022
22.	Project Cost	Rs.1,09,45,500/-
23.	EMP cost	Capital cost: Rs.11,49,000/- Recurring cost:Rs.12,31,000/- Annum
24.	CER cost	Rs. 6.10 Lakh

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 1,83,500m³ Rough stone, 21,600m³ of Gravel and not to exceed the annual peak production capacity of 42,550 m³ of Rough Stone, for an ultimate depth of 45m BGL 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 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 maintain a safety zone of 7.5 m invariably along the South side of the proposed quarry adjacent to the neighbouring quarry and it shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.
7. The PP shall carry out the shallow depth Jack hammer drilling (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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

8. 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.
9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
10. Since few habitations are situated at a distance of 1.3 km from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
11. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
12. The 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.
13. However, the PP shall carry out the scientific studies to assess the slope stability of the highwall benches and quarry wall during 5th year from the commencement of mining operations (or) before extending the quarry operations beyond the first five year-planned depth of 35 m, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

14. 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.
15. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
16. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
17. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
18. As accepted by the Project Proponent the CER cost is Rs. 6.10 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

AGENDA No: 314-14


(File No: 9348/2022)

Proposed Rough stone and Gravel Quarry lease over an Extent of 0.50.5 Ha (Patta Land) in S.F.Nos. 11/1 at Perundurai Village, Perundurai Taluk, Pudukkottai District, Tamil Nadu by Thiru V.Muthu- For Environmental Clearance. (SIA/TN/MIN/276841/2022, dated 09.06.2022)

The proposal was placed in this 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru V.Muthu has applied seeking Environmental Clearance for Proposed Rough stone and Gravel Quarry lease over an Extent of 0.50.5 Ha (Patta Land) in S.F.Nos. 11/1 at Perundurai Village, Perundurai


MEMBER SECRETARY
SEAC -TN

47


CHAIRMAN
SEAC- TN

Taluk, Pudukkottai 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.
3. As per the mining plan, the production for 5 years not to exceed 23,265 m³ Rough stone, 540 m³ of Gravel for an ultimate depth of 38m BGL (3m Gravel + 35m Rough stone).

Based on the presentation and the documents furnished by the Proponent, the SEAC noted that there is an existing quarry (S.F. No. 11/1) and hence directed the Proponent to submit the following documents:

1. The copy of certified compliance report for the previous EC obtained as the aforesaid quarry was operated from 03.03.2016 to 02.03.2021 under the provisions of the OM issued by the MOEF & CC (F. No. IA3-22/10/2022-IA. III - E 177258), dated, 8th June 2022, obtained from IRO/MoEF & CC, Chennai (or) the TNPCB (or) the CPCB.
2. The PP shall furnish slope stability action plan for the systematic working of the proposed quarry by maintaining proper benches as per the statutory provisions incorporating the haul road with appropriate gradient as the depth of the proposed quarry is exceeding 30 m.
3. The photograph/video indicating the installation of fencing and tree plantations developed around the quarry.


On receipt of the aforesaid details, the subject will be taken up for further deliberations.

AGENDA No: 314-15

(File No: 9369/2022)

Proposed Rough stone and Gravel Quarry lease over an Extent of 1.40.5 Ha (Patta Land) in S.F.Nos. 475/1A, 475/1B, 475/1C, 475/1D, 475/1E, 475/1F, 475/2A, 475/2B, 475/2C, 475/2E, 475/2F and 475/2G at Thennampatti Village, Vendasandur Taluk, Dindigul District, Tamil Nadu by Tmt J Latha - For Environmental Clearance. (SIA/TN/MIN/280702/2022, dated 01.07.2022)

The proposal was placed in this 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).


MEMBER SECRETARY
SEAC -TN

48


CHAIRMAN
SEAC- TN

The SEAC noted the following:

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

Detail of the Proposal		
1.	Name of the Owner/Firm	Tmt.J.Latha W/o.Jayasankar No.5/82. Kaliyamman Kovil Street, Nandhavanapatti Silapadi Dindigul - 624005
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone and Gravel
3.	S.F No. Of the quarry site with area break-up	475/1A, 475/1B, 475/1C, 475/1D, 475/1E, 475/1F, 475/2A, 475/2B, 475/2C, 475/2E, 475/2F and 475/2G
4.	Village	Thennampatti
5.	Taluk	Vedasandur
6.	District	Dindigul
7.	Extent of quarry (in ha.)	1.40.5 Ha/ Patta Land
8.	Validity of Mining Lease Period	5 years
9.	Period of quarrying proposed	5 Years
10.	Type of mining	Opencast Mechanized mining
11.	Production (Quantity in m3)	As per the mining plan, the production for 5 years not to exceed 1,68,210 m ³ of Rough stone, 9,553 m ³ of Weathered Rock and 9,994 m ³ of Gravel for an ultimate depth of 37m BGL. The Annual peak production as per mining plan is 34,270 m ³ of Rough stone (5 th year).
12.	Depth of quarrying	Proposed: 37m BGL Permitted & Accepted: 32 m BGL
13.	Latitude & Longitude of all corners of the quarry site	10°29'12.81"N to 10°29'17.84"N 78°04'28.33"E to 78°04'32.89"E
14.	Topo Sheet No.	58 J/03
15.	Man Power requirement per day	22 Nos
16.	Precise area communication	Na.Ka.En.334/2021/Kaniman/2020 dated:


MEMBER SECRETARY
SEAC -TN.

CHAIRMAN
SEAC- TN

		09.05.2022
17.	Mining Plan	Roc.No.334/2021(Mines) dated: 10.05.2022
18.	500m cluster letter	Roc.No.334/2021(Mines) dated: 10.05.2022
19.	Total Water requirement	2.1kLD
	1. Drinking & domestic purposes (in KLD)	1.1 kLD
	2. Dust suppression & Green Belt (in KLD)	0.5 kLD & 0.5 kLD
20.	Power requirement	TNEB
21.	Depth of water table	58m- 55m
22.	Whether any habitation within 300m distance	No as per VAO letter
23.	VAO certificate regarding habitation within 300m radius	Letter dated : 26.05.2022
24.	Project Cost	Rs. 67,63,000/-
25.	EMP cost	Capital cost: Rs. 3,48,000/- Recurring cost: Rs. 50,04,000/- annum
26.	CER cost	Rs. 5 Lakh

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance considering the safe environment of the quarry by not extracting the last benches (as shown in the sections drawn along XY - CD, X1Y1 - EF, X1Y1 - AB), the ultimate depth of mining is restricted upto 43m BGL only for the removal quantity 1,65,410 m³ of Rough stone after removing the bottom benches, 9,553 m³ of Weathered Rock and 9,994 m³ of Gravel for an ultimate depth of 32m BGL with not exceeding the annual peak production of 34,165 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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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 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 maintain a safety zone of 7.5 m invariably along the South side of the proposed quarry adjacent to the neighbouring quarry and it shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.
7. The PP shall carry out the shallow depth Jack hammer drilling (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.
8. 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

9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
10. As the habitations are located nearby, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
11. The PP shall carry out maximum of two rounds of controlled blast only 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 300 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. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
14. The 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.
15. 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.
16. 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.
17. 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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.

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. 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.
20. As accepted by the Project Proponent the CER cost is Rs. 5 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

AGENDA No: 314-16

(File No: 9374/2022)

Proposed Rough stone and Gravel Quarry lease over an Extent of 3.65.0 Ha Patta lands in S.F.Nos. 676/1B (P), 676/4B (P) at Thanakkarkulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by R.Ravichandran – For Environmental Clearance. (SIA/TN/MIN/281536/2022, dated 04.07.2022)

The proposal was placed in this 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

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

Details of the Proposal		
1.	Name of the Owner/Firm	Thiru. R.Ravichandran S/o. Rathinam Nadar Plot No.18-19, Pioneer Kumarasamy Nagar Perumalpuram Post Palayamkottai Tirunelveli - 627007


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone and Gravel
3.	S.F No. of the quarry site with area break-up	676/1B (P), 676/4B (P)
4.	Village	Thanakkarkulam
5.	Taluk	Radhapuram
6.	District	Tirunelveli
7.	Extent of quarry (in ha.)	3.65.0 Ha
8.	Validity of Mine Lease Period	5 years
9.	Period of approved Mining Plan	5 Years
10.	Type of mining	Opencast, Semi-Mechanized mining
11.	Production (Quantity in m3)	As per the mining plan, the production for 5 years not to exceed 5,50,808m ³ of Rough stone and 52,284 m ³ of Gravel for an ultimate depth of 40m (2m Gravel + 38m Rough Stone) below ground level. The Annual peak production as per mining plan is 1,15,713 m ³ of Roughstone (3 rd year).
12.	Depth of quarrying	40m (2m Gravel + 38m Rough Stone) BGL
13.	Latitude & Longitude of all corners of the quarry site	08° 13' 05.04' N to 08° 13' 12.17' N 77° 39' 12.40' E to 77° 39' 21.73' E
14.	Topo Sheet No.	58 - H/12
15.	Man Power requirement per day	35 Nos
16.	Precise area communication	Rc.No.M2/23135/2020, Dated: 05.05.2022
17.	Mining Plan	Rc.No. M2/23135/2020 Dated: 13.05.2022
18.	500m cluster letter	Rc.No. M2/23135/2020 Dated: 13.05.2022
19.	Water requirement	2.5kLD
	3. Drinking & domestic purposes (in KLD)	0.6 kLD
	4. Dust suppression & Green Belt (in KLD)	1.5 kLD & 0.4 kLD
20.	Depth of water table	62m-58m
21.	Whether any habitation within 300m distance	Nil as per VAO letter
22.	VAO certificate regarding habitation within 300m radius	Letter dated : 25.05.2022

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

23.	Project Cost	Rs. 1,42,60,000/-
24.	EMP cost	Capital cost: Rs. 14,90,000/- Recurring cost: Rs. 22,22,000/- Annum
25.	CER cost	Rs. 7,00,000/-

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production quantity of 5,50,808m³ of Rough stone and 52,284 m³ of Gravel by maintaining an ultimate depth of 40m (2m Gravel + 38m Rough Stone) below ground level and not to exceed the annual peak production capacity of 1,15,713 m³ of Rough stone & 22,604 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:

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 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. The PP shall maintain a safety distance of 50 m and 60 m from the boundary of the proposed quarry to the wind mill & tank situated nearby respectively


MEMBER SECRETARY
SEAC -TN

55


CHAIRMAN
SEAC- TN

6. The PP shall carry out the shallow depth Jack hammer drilling (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
7. 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.
8. 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.
9. Since few habitations are situated at a distance of 1.4 km from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
11. The 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.
12. However, the PP shall carry out the scientific studies to assess the slope stability of the highwall benches and quarry wall during 4th year from the commencement of mining operations, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

13. 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.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
17. As accepted by the Project Proponent the CER cost is Rs. 7 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

AGENDA No: 314-17


(File No: 9381/2022)

Proposed Red Earth quarry lease over an Extent of – 1.47.5 Ha Patta Land in S.F.Nos. 192/1 at V.Parangani Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru R. Ragothaman – For Environmental Clearance. (SIA/TN/MIN/282010/2022, dated 07.07.2022)

The proposal was placed in this 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru R. Ragothaman has applied seeking Environmental Clearance for proposed Red Earth quarry lease over an Extent of 1.47.5 Ha Patta Land in S.F.Nos. 192/1 at V.Parangani Village, Vanur Taluk, Viluppuram District.


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, as amended.

Sl. No	Details of the Proposal
1.	Name of the Owner/Firm Thiru R. Ragothaman S/o. Rajendhiran, No.14/33, Manthoppu Street, K K Road, Viluppuram. Tamil Nadu – 605602.
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite) Red Earth
3.	S.F No. Of the quarry site with area break-up 192/1
4.	Village V.Parangani
5.	Taluk Vanur
6.	District Viluppuram
7.	Extent of quarry (in ha.) 1.47.5 Hectare / Patta Land
8.	Period of quarrying proposed Two Years
9.	Type of mining Opencast Semi-Mechanized mining
10.	Production (Quantity in m3) As per the mining plan, the production for 5 years not to exceed 8240m ³ of Red Earth for an ultimate depth of 2m BGL. The Annual peak production shall be 4120 m ³ of Red Earth (1 year).
11.	Depth of quarrying 2m
12.	Latitude & Longitude of all corners of the quarry site 12°02'40.06"N to 12°02'44.89"N 79°41'23.85"E to 79°41'27.92"E
13.	Topo Sheet No. 57-P/12
14.	Man Power requirement per day 2 Nos
15.	Precise area communication Roc.No. A/G & M/167/2021 dated 28.06.2022
16.	Mining Plan Roc.No. A/G & M/167/2021 dated 30.06.2022
17.	500m cluster letter Roc.No. A/G & M/167/2021 dated 30.06.2022
18.	Water requirement 5. Drinking & domestic purposes (in KLD) 1.5kLD 0.5 kLD

MEMBER SECRETARY
SEAC - TN

CHAIRMAN
SEAC- TN

	6. Dust suppression & Green Belt (in KLD)	0.5 kLD & 0.5 kLD
19.	Depth of water table	25m-20m
20.	Whether any habitation within 300m distance	No as per VAO letter
21.	VAO certificate regarding habitation within 300m radius	Letter dated: 04.07.2022
22.	Project Cost	Rs.18,72,400/-
23.	EMP cost	Capital cost: Rs.6,60,000/- Recurring cost: Rs.1,08,000/- Annum
24.	CER cost	Rs.2,00,000/-

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the quantity of 8240m³ of Red Earth to an ultimate depth of 2m BGL in a period of 2 years** and the annual peak production as per mining plan is 4120 m³ of Red Earth (1 year) 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

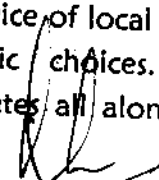

MEMBER SECRETARY
SEAC -TN

59


CHAIRMAN
SEAC- TN

4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.
13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
14. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried material shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried stones; and transport of stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
18. The Project Proponent shall 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.


MEMBER SECRETARY
SEAC -TN

61


CHAIRMAN
SEAC- TN

19. The project proponent shall ensure that the provisions of the MMDR Act, 1957, 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
25. That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
26. 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


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

27. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

28. As accepted by the Project Proponent the CER cost is Rs. 2 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

AGENDA No: 314-18

(File No: 9402/2022)

**Proposed Rough stone quarry lease over an Extent of 1.52.00 Ha (Government Land) in S.F.Nos. 155/3 in Kaplampadi Village, Melmalaiyanur Taluk, Villuppuram District and TamilNadu by Tmt.M.Vijayalakshmi- For Environmental Clearance.
(SIA/TN/MIN/282010/2022, dated 07.07.2022)**

The proposal was earlier placed in 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

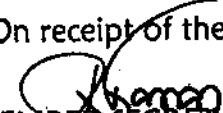
The SEAC noted the following:

1. The project proponent, Tmt.M.Vijayalakshmi has applied seeking Environmental Clearance for Proposed Rough stone quarry lease over an Extent of 1.52.00 Ha (Government Land) in S.F.Nos. 155/3 in Kaplampadi Village, Melmalaiyanur Taluk, Villuppuram District and 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.
3. As per the mining plan, the production for 5 years not to exceed 1,45,312 Cu.m of Roughstone for an ultimate depth of 45.0m (20m AGL & 25m BGL).

Based on the documents furnished and the presentation of the project, the Committee decided to call for the following additional particulars from the proponent:

1. Letter from the DFO, Villuppuram District detailing the location (along with GPS coordinates) and distance of the proposed mine lease area from the nearby Reserve Forests.

On receipt of the aforesaid details, the subject will be taken up for further deliberations.


MEMBER SECRETARY
SEAC -TN

63


CHAIRMAN
SEAC- TN

AGENDA No: 314-19

(File No: 9409/2022)

Proposed Rough Stone and Gravel Quarry lease over an Extent of 4.87.5Ha Patta Lands in S.F.Nos. 21/25, 22/3A, 22/3B, 22/3C, 22/3D, 22/4, 22/5, 22/6A, 22/6B, 23/10B, 23/13, 23/3B, 23/4, 23/5, 23/6A, 23/6B, 23/6C, 23/7, 23/9A, 8/11 and 8/12 in Madipakkam Village, Cheyyar Taluk, Tiruvannamalai District and Tamil Nadu by Thiru.K.Maharajan – For Environmental Clearance. (SIA/TN/MIN/282010/2022, dated 07.07.2022)

The proposal was placed in this 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Maharajan has applied seeking Environmental Clearance for Proposed Rough Stone and Gravel Quarry lease over an Extent of 4.87.5Ha Patta Lands in S.F.Nos. 21/25, 22/3A, 22/3B, 22/3C, 22/3D, 22/4, 22/5, 22/6A, 22/6B, 23/10B, 23/13, 23/3B, 23/4, 23/5, 23/6A, 23/6B, 23/6C, 23/7, 23/9A, 8/11 AND 8/12 in Madipakkam Village, Cheyyar Taluk, Tiruvannamalai, 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.K.Maharajan, S/o,Kanniyappan Gounder, No.914, Annamalaiyar Street, Tiruvannamalai District. Pin code – 604 407
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite) Rough Stone and Gravel
3.	S.F No. Of the quarry site with area break-up 21/25, 22/3A, 22/3B, 22/3C, 22/3D, 22/4, 22/5, 22/6A, 22/6B, 23/10B, 23/13, 23/3B, 23/4, 23/5, 23/6A, 23/6B, 23/6C, 23/7, 23/9A, 8/11 and 8/12
4.	Village Madipakkam

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC - TN

5.	Taluk	Cheyyar
6.	District	Tiruvannamalai
7.	Extent of quarry (in ha.)	4.87.5Ha (Patta Land)
8.	Validity of Mine Lease Period	10 years
9.	Validity of approved Mining Plan	10 Years
10.	Type of mining	Opencast Semi-Mechanised method
11.	Production (Quantity in m3)	As per the mining plan, the total excavation volume for the duration of first 5 years not to exceed 4,61,210m ³ of Rough Stone, 28,102 m ³ of Weathered Rock and 57,994 m ³ of Gravel. The Annual peak production of ROM as per mining plan is 93,030 m ³ of Rough Stone (IV year); 38254 m ³ of Gravel & 18582 m ³ of Weathered Rock (I year).
12.	Depth of quarrying	Ultimate depth: 63 m BGL Planned depth for first 5 year of Mining Plan: 23m BGL
13.	Latitude & Longitude of all corners of the quarry site	Latitude: 12°41' 15.16"N to 12°41' 24.19"N Longitude : 79°36'53.17"E to 79°37'02.93"E
14.	Topo Sheet No.	57-P / 10
15.	Man Power requirement per day	19 persons permanently and 15 people temporarily
16.	Precise area communication	Rc.No. 39/Kanimam/2022 dated 08.04.2022
17.	Mining Plan	Rc.No. 39/Kanimam/2022 dated 06.06.2022
18.	500m cluster letter	Rc.No. 39/Kanimam/2022 dated 06.06.2022
19.	Water requirement 7. Drinking & domestic purposes (in KLD) 8. Dust suppression & Green Belt (in KLD)	3.0kLD 1.0 kLD 1.0 kLD & 1.0 kLD
20.	Power requirement	TNEB
21.	Depth of water table	69m to 72m
22.	Whether any habitation within 300m distance	No as per VAO letter
23.	VAO certificate regarding habitation within 300m radius	Letter dated: 26.04.2022
24.	Project Cost	Rs.1,10,15,000/-
25.	EMP cost	Capital Cost Rs. 13.45 Lakh

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		Recurring Cost Rs. 17.75 lakh /annum
26.	CER cost	Rs.5,00,000/-

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total excavation volume of not to exceeding 4,61,210m³ of Rough Stone, 28,102 m³ of Weathered Rock and 57,994 m³ of Gravel for the duration of first 5 years and it shall not exceed the Annual peak production capacity of ROM which includes 93,030 m³ of Rough Stone; 38254 m³ of Gravel & 18582 m³ of Weathered Rock 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:

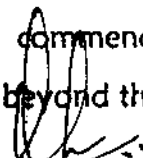
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC 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 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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 carry out the shallow depth Jack hammer drilling (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
7. 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.
8. 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.
9. Since few habitations and poultry farm are situated at a distance of 650 m & 425 m respectively from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
11. The PP shall carry out the scientific studies to assess the slope stability of the highwall benches and quarry wall during 5th year from the commencement of mining operations (or) before extending the quarry operations beyond the first five


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

year-planned depth of 23 m, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

12. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
13. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
14. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
15. As accepted by the Project Proponent the CER cost is Rs. 5 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

AGENDA No: 314- 20

(File No: 8592/2021)

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

The proposal was earlier placed for appraisal in the 252nd meeting of SEAC held on 10.03.2022. 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/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended

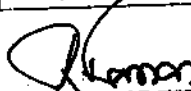
Sl. No.	Details of the Project	
1.	Name of the Owner/Firm	Thiru.V.Ramadass

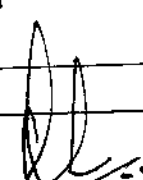
**MEMBER SECRETARY
SEAC -TN**

68

**CHAIRMAN
SEAC-TN**

		M/s.S.R.M.Brick Works Old Erumaivettipalayam Village Ponneri Taluk Tiruvallur -600067
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Brick Earth
3.	S.F No. Of the quarry site with area break-up	39/2B
4.	Village	Athangikavanur
5.	Taluk	Uthukottai
6.	District	Tiruvallur
7.	Extent of quarry (in ha.)	0.64.0Hectare / Patta Land
8.	Period of quarrying proposed	One Year
9.	Type of mining	Opencast Semi-Mechanized mining
10.	Production (Quantity in m ³)	As per the mining plan, the production for one year not to exceed 6,006m ³ Brick Earth for an ultimate depth of 1.5m.
11.	Depth of quarrying	1.5m
12.	Latitude & Longitude of all corners of the quarry site	13°15'15.01"N to 13°15'18.72"N 80° 3'0.49" E to 80°3'2.84" E
13.	Topo Sheet No.	Toposheet No. 66-C/03
14.	Man Power requirement per day	6 Nos
15.	Precise area communication	Rc.No.359/2020/G&M-1, Dated 21.04.2021
16.	Mining Plan	Rc.No.359/2020/G&M-1, Dated 30.04.2021
17.	500m cluster letter	Roc.No.359/2020/Mines, Dated: 30.04.2021
18.	Total Water requirement 9. Drinking & domestic purposes (in KLD) 10. Dust suppression & Green Belt (in KLD)	1.31kLD 0.1 kLD 0.71 kLD & 0.5 kLD
19.	Depth of water table	20m-15m
20.	Whether any habitation within 300m distance	No, as per VAO letter
21.	VAO certificate regarding habitation within 300m radius	Letter dated: 07.05.2021
22.	Project Cost (including EMP cost)	Rs. 11,58,000/-


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

23.	EMP cost	Rs.9.58,000/-
24.	CER cost	Rs. 2 Lakh

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

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

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

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

On receipt of the aforesaid additional particulars from the Proponent, the proposal was again been placed for appraisal in this 298th meeting of SEAC held on 22.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the proponent has furnished two different soil analyses report for the same


MEMBER SECRETARY
SEAC -TN

70


CHAIRMAN
SEAC -TN

project site and the composition of the soil reported in the said two reports vastly differ. Hence, the SEAC decided to call for the following details from the Proponent.


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

Subsequently the proposal was placed in the 543rd meeting of Authority held on 23.08.2022 along with the minutes of 298th meeting of SEAC held on 22.07.2022 pertaining to the said proposal. The Authority noted that based on the presentation and documents furnished by the project proponent, the Committee noted that the proponent has furnished two different soil analyses report for the same project site and the composition of the soil reported in the said two reports vastly differ. Hence the Committee decided to call for the following details from the Project Proponent.

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

After detailed deliberation, the Authority decided to request the Member Secretary SEIAA-TN to obtain the following additional particulars from the Proponent along with the details sought by SEAC :

1. Location and proprietorship details of the Brick kiln for which the earth is mined.
2. Details pertaining to the fire wood to be used in the brick kiln such as type of fire wood, quantity, where it is sourced from etc shall be furnished.
3. Study report on impact of Brick kiln on the surrounding area and impact on livelihood.


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN

4. Cost of restoration of the project site in full.
5. Quantum of Brick that can be made from the mined Brick Earth.
6. Details of energy alternative to fire wood.
7. Measures proposed to be taken to prevent dust emission during transportation of excavated earth.
8. The anticipated CO₂ emissions due to the project activity.


The Proponent furnished the details sought vide letter dated 22.08.2022 and the subject was placed in this 314th meeting of SEAC held on 23.09.2022. Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 6,006m³ of Brick Earth to an ultimate depth of 1.5m BGL in a period of one year 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.
13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
14. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried material shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried stones; and transport of stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
18. The Project Proponent shall 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.
19. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skilful, scientific and


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

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.

20. 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.
21. 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.
22. 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.
23. 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.
24. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
25. That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
26. 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.


MEMBER SECRETARY
SEAC -TN

75


CHAIRMAN
SEAC- TN

27. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

28. As accepted by the Project Proponent the CER cost is Rs. 2 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No: 314-21

(File No: 9314/2022)

Proposed Rough Stone and Gravel Quarry lease over an extent of 2.65.5 Ha in S.F.Nos. 224/3A, 224/3B, 224/4A, 224/4B, 240/1B1, 240/1B2, 240/2A, 240/2B AND 240/2C of Alapakkam Village, Nemili Taluk, Ranipet District, Tamil Nadu by Thiru.D.Mohanadoss - Environmental Clearance - Regarding. (SIA/TN/MIN/276834/2022, dated: 07.06.2022)

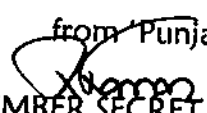
The proposal was placed for appraisal in this 314th meeting of SEAC held on 23.09.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

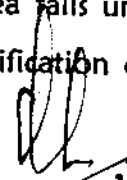
SEAC noted the following:

1. The Project Proponent, Thiru.D. Mohanadoss, has applied for Environmental Clearance for the proposed Rough Stone and Gravel Quarry lease over an extent of 2.65.5 Ha in S.F.Nos. 224/3A, 224/3B, 224/4A, 224/4B, 240/1B1, 240/1B2, 240/2A, 240/2B AND 240/2C of Alapakkam Village, Nemili Taluk, Ranipet 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. As per the mining plan, the lease period is for 10 years. The mining plan is for the period of first 5 years. The total production for 5 years not to exceed 2,07,460m³ of rough stone, 71,120 m³ of Gravel and 16,214 m³ with ultimate depth of 20m BGL.

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

1. As per the land use classification, the proposed mine lease area falls under the "Nanjai Land" category. Hence the PP shall get the land classification changed from 'Punjai' to 'industrial use'.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

2. As per the provisions contained in Tamil Nadu Change of Land Use (From Agriculture to Non-agriculture Purposes in Non-planning Areas) Rules, 2017, agriculture land in the state cannot be used for the development purpose, without the consent of the concerned designated local authority (Municipality / Town Panchayat / Village Panchayat) in which the land is situated.
3. Hence, the proponent is requested to submit the aforesaid permission obtained from the Competent Authority.
4. Further, from the KML file uploaded in the online through Parivesh Portal, it is ascertained that a well exists within the lease area. Hence, the proponent is requested to submit the details regarding
 - i. The current status of the well
 - ii. The Depth of Water level in the well
 - iii. Whether the well is in use for agricultural activities?

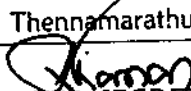
On receipt of the above details, SEAC would further deliberate on this project and decide the further course of action.

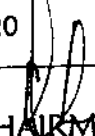
Agenda - 314-TA-1

Proposal Seeking Environmental Clearance for Marapparai Rough stone Cluster quarries over an Cluster Extent of 16.09.28 ha Marapparai Village, Tiruchengode Taluk and Namakkal District.

The salient features of the project and the environmental impact assessment as presented by the proponents is given below.

PROPOSED QUARRIES					
CODE	Name of the Owner	S.F.Nos	Extent	ToR No	SEAC Meeting No
P1	Thiru. R.Paramasivam, S/o. Ramasamy, No.4-122/2, Road, Andagalur Gate, Rasipuram Taluk, Namakkal District, Tamil Nadu	20/2B (Part) and 21/5C (part)	1.00.0 ha	Lr.No. SEIAA-TN /F.No.7773/SEAC/ToR-811 /2020 Dated :09.11.2020	269 th SEAC Meeting
P2	Thiru.K.Periyasamy, S/o. Kandasamy, No.5/49, Thennamarathupalayam,	21/5B(Part)	1.00.0 ha	Lr.No. SEIAA-TN/F.No.7774 /SEAC/ToR-818/2020 Dated :11.11.2020	265 th SEAC Meeting


MEMBER SECRETARY
SEAC -TN.



CHAIRMAN
SEAC -TN

	Marapparai, Tiruchengode Taluk, Namakkal District, Tamil Nadu State -- 637 410				
P3	Tmt.B.Megala, D/o.Balasundaram, Thennamarathupalayam, Marapparai, Tiruchengode Taluk, Namakkal District, Tamil Nadu State -- 637 410	224(Part)	1.40.0ha	Lr. No. SEIAA-TN /F.No.8445/SEAC /ToR-999/2021 Dated :28.07.2021	270 th SEAC Meeting
P4	Thiru.M.Krishnan, S/o. Marappan, Periya manali Road, Vaiyappamalai Post, Tiruchengode Taluk, Namakkal District -- 637 410	176/2, 173/3(P). & 176/11(P)	0.90.25ha	Lr.No. SEIAA-TN/F.No.8179 /SEAC/ToR-939/2020 Dated :16.04.2021	267 th SEAC Meeting
P5	Thiru. S.Nandhakumar, S/o. Sellappan, No.4/103, Mettukadu, Nallampalayam, Konnayar, Tiruchengode Talu Namakkal District -- 637 202	22/2	1.16.0ha	Lr.No. SEIAA-TN/F.No. 8268/SEAC/ToR-947/2021 Dated :30.04.2021	267 th SEAC Meeting
P6	Thiru.S.Rangasamy, S/o. Subbayan, Kattipalayam, Karungalpatti (Post), Tiruchengode Taluk, Namakkal District -- 637 410	176/1A, 176/5A, 176/6A & 316/2B2	2.02.3 ha	Lr.No. SEIAA-TN/F.No.8312 /SEAC/ToR-962/2020 Dated :30.04.2021	270 th SEAC Meeting

Proponent – P1 – Thiru R.Paramasivam

In the 269th SEAC Meeting held on 05.05.2022 are as follows:

1. The proponent applied for ToR in BI Category on 20.08.2020 proposal No SIA/TN/MIN/55800/2020 Dated: 20.08.2020
2. The unit was issued ToR vide Letter No SEIAA-TN/F.No. 7773/SEAC/ToR-811/2020 Dated: 09.11.2020
3. The project area is an existing quarry operated in the year of 2008 to 2013, Existing depth is 5m.
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.
6. Nearest Reserve forest is Palanthinnipatti RF 7.8 km NE
7. No Coastal Regulation Zone (CRZ) within the radius of 10 km from the lease area.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National park & wild Life sanctuary within the radius of 1 km from the lease area.
10. No critically polluted area is notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.

11. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 5km.

12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 460m North West side of the lease area.

The SEAC noted the following:

1. The Project proponent Thiru. R. Paramasivam has applied for the Environmental Clearance for proposed Rough stone and Gravel quarry lease over an extent of 1.00.0 ha at S.F.Nos 20/2B (Part) and 21/5C (part) Marapparai Village, Tiruchengode Taluk, Namakkal 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. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed – 115582m³ of Rough stone and 10048m³ of Gravel. The annual peak production as per mining plan is 28785m³ of Rough stone (2nd year) & 10,048m³ of Gravel (1st year) with ultimate depth of 47m
 4. The PP was issued with ToR vide Lr. No. SEIAA-TN/F.No.7773/SEAC/ToR-811/2020 Dt. 9.11.2020 with restricting the depth of mining to ultimate depth of 42m and quantity of 1152372m³ of Rough stone & 10048m³ of Gravel for a period of five years with a bench height of 5m as per the approved mining plan considering the hydro geological regime of the surrounding area
- Based on the presentation and the documents furnished by the project proponent, SEAC decided to conduct an on-the-spot site-inspection by the sub-committee members to verify the facts. On receipt of the inspection report, the committee would further deliberate will be done

Proponent – P2 – Thiru K.Periyasamy

In the 265th SEAC Meeting held on 21.04.2022 are as follows:


MEMBER SECRETARY
SEAC -TN

79


CHAIRMAN
SEAC- TN

1. The proponent applied for ToR in B1 Category on 27.08.2020 proposal No. No.SIA/TN/MIN/55795/2020, Dated: 20.08.2020
2. The unit was issued ToR vide Letter No SEIAA-TN/F.No.7774/SEAC/TOR-818/2020 Dated: 11.11.2020
3. The project area is an existing quarry operated in the year of 2008 to 2013, Existing depth is 6m
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.
6. Nearest Reserve forest is Palanthinnipatti RF 7.8 km NE
7. No Coastal Regulation Zone (CRZ) within the radius of 10 km from the lease area.
8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National park & wild Life sanctuary within the radius of 1 km from the lease area.
10. No critically polluted area are notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.
11. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 5km.
12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 410m North West side of the lease area.

The SEAC noted the following:

1. The Project proponent Thiru. K.Periyasamy has applied for the Environmental Clearance for proposed Rough stone and Gravel quarry lease over an extent of 1.00.0 ha at S.F.Nos 21/5B (P) Marapparai Village, Tiruchengode Taluk, Namakkal 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. As per the Mining plan, the lease period is for 5 years. The production for 5


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

years not to exceed – 1,14,385m³ of Rough stone and 8,568m³ of Gravel with an ultimate depth of mining is 37m (2m Gravel + 35m Rough stone). The annual peak production as per mining plan is 30,345cu.m of Rough stone.


4. ToR issued vide ToR issued vide Lr. No. SEIAA.TN/F.No.7745/SEAC/ToR-818/2020 Dated 11.11.2020
5. Public hearing conducted on 21.10.21

Based on the presentation and the documents furnished by the project proponent, SEAC noted that, there are some houses located near the project site and the same has been raised during public hearing and hence SEAC decided to conduct on the spot site inspection report, SEAC would further deliberate on the project and decide the further course of action

Proponent – P3 – Tmt. P. Mekala

In the 270th SEAC Meeting held on 06.05.2022 are as follows:

1. The proponent applied for ToR in B1 Category on 09.03.2021 proposal No SIA/TN/MIN/61676/2021, Dated: 09.03.2021
2. The unit was issued ToR vide Letter No. SEIAA-TN/F.No. 8445/SEAC/ToR-999/2021 Dated: 28.07.2021
3. The project area is an existing quarry operated in the year of 2013-2018, Existing depth is 14m
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.
6. Nearest Reserve forest is Palanthinnipatti RF 7.8 km NE
7. No Coastal Regulation Zone (CRZ) within the radius of 10 km from the lease area.
8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National park & wild Life sanctuary within the radius of 1 km from the lease area.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

10. No critically polluted area is notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.

11. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 5km.

12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 520m North West side of the lease area.

The SEAC noted the following:

1. The Project proponent Tmt. B. Mekala has applied for Environmental Clearance for proposed Rough stone quarry lease over an extent of 1.40.0 ha at S.F.Nos 22/4 (Part) Marapparai Village, Tiruchengode Taluk, Namakkal 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. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed – 86,650m³ of Rough stone with an ultimate depth of mining is 46m (1m top soil + 45m Rough stone). The annual peak production as per mining plan is 17840cu.m of Rough stone.
4. ToR issued vide – Lr No. SEIAA-TN.F.No. 8445/SEAC/ToR-999/2021 Dated 28.07.2021
5. Public hearing was conducted on Dated 21.10.2021

Based on the presentation and documents furnished by the project proponent. SEAC noted that, there are some houses located near the project site and the same has been raised during public hearing and hence SEAC decided to conduct an on – the spot site – inspection by the sub committee members to verify the facts. On receipt of the inspection report, SEAC would further deliberate on the project and decide the further course of action.

Proponent – P4 – Thiru. M.Krishnan – File No 8179

In the 267th SEAC Meeting held on 28.04.2022 are as follows:

1. The proponent applied for ToR in B1 Category on 24.12.2020 proposal No SIA/TN/MIN/59394/2020, Dated: 24.12.2020


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

2. The unit was issued ToR vide Letter No SEIAA-TN/F.No.8179/SEAC/TOR-939/2020 Dated: 16.04.2021
3. The project area is an existing quarry operated in the year of 12.08.2014 to 11.08.2019 in S.F.Nos 176/1B, 176/2, 176/6B, 176/11, 176/3 & 176/9 Over an extent of 3.07.5 ha , now applied for reducing the area such as 0.90.25 ha only in S.F.Nos 176/2, 176/3 (P) & 176/11 (P)
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.
6. Nearest Reserve forest is Palanthinnipatti RF 9.0 km NE
7. No CRZ within the radius of 10 km from the lease area.
8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National park & wild Life sanctuary within the radius of 1 km from the lease area.
10. No critically polluted area are notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.
11. No Protected Area, Eco Sensitive Zone &. Eco Sensitive Area within the radius of 5km.
12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 510m South East side of the lease area.

The SEAC noted the following:

1. The Project proponent Thiru. M. Krishnan has applied for Environmental Clearance for proposed Rough stone quarry lease over an extent of 0.90.25 ha at S.F.Nos 176/2, 176/3 (P) & 176/11 (P) Marapparai Village, Tiruchengode Taluk, Namakkal 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. As per the Mining plan, the lease period is for 5 years. The production for 5 years not to exceed 1,06,675m³ of Rough stone and 3,102 m³ of Gravel with an

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

ultimate depth of mining is 32m (2m Gravel + 30m Rough stone) below ground level. The annual peak production as per mining plan is 22,870m³ of Rough stone and 1,222m³ of Gravel.


4. ToR issued vide – Lr No. SEIAA-TN.F.No. 8445/SEAC/ToR-999/2021 Dated 28.07.2021. Public hearing was conducted on Dated 21.10.2021

Based on the presentation and documents furnished by the project proponent. SEAC noted that, there are some houses located near the project site and the same has been raised during public hearing and hence SEAC decided to conduct an on – the spot site – inspection by the sub committee members to verify the facts. On receipt of the inspection report, SEAC would further deliberate on the project and decide the further course of action.

Proponent – P5 – Thiru. S.Nandhakumar – File No 8268

In the 267th SEAC Meeting held on 28.04.2022 are as follows:

1. The proponent applied for ToR in B1 Category on 21.01.2021 proposal No SIA/TN/MIN/60076/2021, Dated: 21.01.2021
2. The unit was issued ToR vide Letter No TN/F.No.8268/SEAC/TOR-947/2021 Dated: 30.04.2021
3. The project area is an existing quarry operated in the year of 28.07.2014 to 27.07.2019 in S.F.Nos 22/2 Over an extent of 1.16.0 ha
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.
6. Nearest Reserve forest is Palanthinnipatti RF 8.0 km NE
7. No Coastal Regulation Zone (CRZ) within the radius of 10 km from the lease area.
8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National park & wild Life sanctuary within the radius of 1 km from the lease area.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

10. No critically polluted area are notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.
11. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 5km.
12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 330m North West side of the lease area.

The SEAC noted the following:

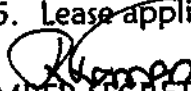
1. The Project proponent Thiru. S. Nandhakumar has applied for Environmental Clearance for proposed Rough stone & Gravel quarry lease over an extent of 1.16.0 ha at S.F.No 22/2 Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC noted that, there are some houses located near the project site and the same has been raised during public hearing and hence SEAC decided to conduct an on – the spot site – inspection by the sub committee members to verify the facts. On receipt of the inspection report, SEAC would further deliberate on the project and decide the further course of action.

Proponent – P6 – Thiru. S.Rangasamy – File No 8312

In the 270th SEAC Meeting held on 06.05.2022 are as follows:

1. The proponent applied for ToR in B1 Category on 01.02.2021 proposal No SIA/TN/MIN/60400/2021 Dated: 01.02.2021
2. The unit was issued ToR vide Letter No SEIAA-TN/F.No. 8312/SEAC/ToR-962/2021 Dated: 30.04.2021
3. The project area is an existing quarry operated in the year of 11.06.2012 to 10.06.2017 in S.F.Nos 176/5 Over an extent of 1.48.5 ha
4. Quarrying Operation will be done by Opencast Semi Mechanized method.
5. Lease applied area is not covered under HACA region.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

6. Nearest Reserve forest is Palanthinnipatti RF 8.6 km NE
7. No Coastal Regulation Zone (CRZ) within the radius of 10 km from the lease area.
8. No interstate boundary & Western Ghats Boundary within the radius of 5km from the lease area.
9. No National park & wild Life sanctuary within the radius of 1 km from the lease area.
10. No critically polluted area are notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 5km from the lease area.
11. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 5km.
12. No habitation within the radius of the 300m from the lease area and nearest habitation is located at a distance of 460m North West side of the lease area.

The SEAC noted the following:

1. The Project proponent Thiru. S.Rangasamy has applied for Environmental Clearance for proposed Rough stone & Gravel quarry lease over an extent of 2.02.3 ha at S.F.No 176/1A, 176/5A, 176/6A & 316/2B2 Marapparai Village, Tiruchengode Taluk, Namakkal 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.8312/SEAC/ToR-962/2021 Dated 30.04.2021
4. Public hearing was conducted on Dated 21.10.2021

Based on the presentation and documents furnished by the project proponent. SEAC noted that, there are some houses located near the project site and the same has been raised during public hearing and hence SEAC decided to conduct an on - the spot site - inspection by the sub committee members to verify the


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

facts. On receipt of the inspection report, SEAC would further deliberate on the project and decide the further course of action.

INSPECTION PROCEEDINGS

- ❖ A subcommittee comprising the following members was constituted by SEAC to inspect and study the field condition in the proposal seeking Environmental Clearance for Rough stone and Gravel quarry in Marapparai Village, Tiruchengode Taluk & Namakkal District, Tamil Nadu

Dr. D. NARASIMHAN, Member SEAC – TN

Dr. P. BALAMADESWARAN, Member SEAC – TN

OBSERVATIONS OF THE SUB-COMMITTEE

PI-Thiru. R. Paramasivam

Sl No.	Criteria	Observation in the filed
1.	Existing /Fresh	Existing pit observed within the project area operated in the year of 2008 to 2013, Existing depth is 5m.
2	Drilling , Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 21 Nos
4	Waste	No waste anticipated, entire quarried out material will be commercially consumed.
5	Habitation / Forest location	Habitation:- There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(1) of TNMMCR, 1959. However, it has been observed that a structure (shed) located at a distance of 270m North East. Nearest Reserve Forest: Palanthinnipatti RF 7.8 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 47m bgl As per ToR recommendation, the depth was reduced to 42m bgl only. Water table in this area is 62m from GL. Hence there is no possibility of intersection ground water table.
7	Trees within the project area	It is observed 11 Nos of Neem trees within the project area
8	Water bodies near the project site	No water bodies within the radius of 50m from the project site, as per the legal requirements.

MEMBER SECRETARY
SEAC -TN

87

CHAIRMAN
SEAC-TN

9	Mined material transport route	500 meters away from habitation
---	--------------------------------	---------------------------------

RECOMMENDATIONS OF THE SUB COMMITTEE

1. The Sub-committee has observed that the green belt is being developed on the Haulroad leading to the quarry site. However, it is recommended that the proponent shall maintain the green belt all around the quarry site covering a width of 10 m during the quarrying operations.
2. It is observed that there are about 11 nos of Neem trees within the project site it is recommended to transplant the Trees in the boundary barrier.
3. Since the existing pit is not installed with the fencing, it is recommended to fence around the project site before commencement of mining operation.
4. One Shed is located about 270m North East side of the project site but it is well protected with the controlled blasting operations. Further, no houses are located within the radius of 300m from this project site.

Hence, the Hence, the subcommittee opines the proposal for the grant of environmental clearance for the proposed Rough stone and Gravel Quarry lease area over an extent of 1.00.0 Ha at S.F.Nos. 20/2B(Part) and 21/5C (part) of Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. R. Paramasivam, may be considered for the appraisal of the SEAC.

P2-Thiru. K. Periyasamy- 7774

OBSERVATIONS OF THE SUB-COMMITTEE

Sl No.	Criteria	Observation in the filed
1.	Existing /Fresh	Existing pit observed within the project area operated in the year of 2008 to 2013, Existing depth is 6m
2	Drilling , Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 21 Nos
4	Waste	No waste anticipated, entire quarried out material will be commercially consumed.
5	Habitation / Forest location	Habitation:- There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(i) of TNMMCR, 1959. However, it


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

		has been observed that a structure (shed) located at a distance of 160m North West and at distance of 220m North. Nearest house is located at a distance of 170m South West. Nearest Reserve Forest: Palanthinnipatti RF 7.8 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 42m bgl As per ToR recommendation, the depth has been reduced to 37m bgl. Water table in this area is 62m from GL. Hence there is no possibility of intersection ground water table.
7	Trees within the project area	Two Neem trees located North side of the project area.
8	Water bodies near the project site	No water bodies exist within the radius of 50m from the project site, as per the legal requirements.
9	Mined material transport route	500 meters away from habitation

RECOMMENDATIONS OF THE SUB COMMITTEE

1. The Sub-committee has observed that the green belt is being developed on the Haulroad leading to the quarry site. However, it is recommended that the proponent shall maintain the green belt all around the quarry site covering a width of 10 m during the quarrying operations.
2. It is observed that there are about 2 nos of Neem trees within the project site it is recommended to transplant the Trees in the boundary barrier.
3. Since the existing pit is not installed with the fencing, it is recommended to fence around the project site before commencement of mining operation.
4. Even though an Individual house is located 170m South West side of the project site, no objections/complaints were made to the SEAC sub-committee by the House owner during the interaction with the SEAC sub-committee. However, the sub-committee observes the Rule 36 (1-A) (a) (a) of Tamil Nadu Minor Mineral Concession Rules, 1959 which states that
*"...No lease shall be granted for quarrying stone within 300 metres (three hundred metres) from any inhabited site;
Provided that the existing quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety,*


MEMBER SECRETARY
SEAC -TN

89


CHAIRMAN
SEAC -TN

Chennai."

5. Hence, it is recommended to adopt the controlled blasting operation after obtaining the prior permission from the Director of Mines Safety, Chennai Region which shall be obtained before obtaining the CTO from the TNPCB.

Hence, the subcommittee opines the proposal for the grant of environmental clearance for the proposed Rough stone and Gravel Quarry lease area over an extent of 1.00.0 Ha at S.F.Nos. 21/5B(Part) of Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. R. Paramasivam, may be considered for the appraisal of the SEAC.

P3-Tmt. B.Mekala- 8448

OBSERVATIONS OF THE SUB-COMMITTEE

Sl No.	Criteria	Observation in the filed
1.	Previous lease details	Existing pit observed within the project area operated in the year of 2013-2018, Existing depth is 14m. Previous EC Details No. SEIAA-TN/F.No. 971/EC/1(a)/378/2013 dated: 06.06.2013.
2	Drilling , Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 21 Nos
4	Waste	No waste anticipated, entire quarried out material will be commercially consumed.
5	Habitation / Forest location	Habitation:- There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(1) of TNMMCR, 1959. However, it has been observed that a structure (shed) located at a distance of 160m North West and at distance of 220m North. Nearest house is located at a distance of 170m South West. Nearest Reserve Forest Palanthinnipatti RF 7.8 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 42m bgl As per ToR recommendation, the depth has been reduced to 37m bgl Water table in this area is 62m from GL.

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

		Hence there is no possibility of intersection ground water table.
7	Greenbelt	No sufficient greenbelt development has been carried out.
8	Water bodies near the project site	No water bodies exist within the radius of 50m from the project site, as per the legal requirements.
9	Mined material transport route	500 meters away from habitation

RECOMMENDATIONS OF THE SUB COMMITTEE

1. The quarry has been fully fenced, but adequate greenbelt development activities were not carried out during previous EC period.
2. The Sub-committee has observed that the green belt is being developed on the Haul road leading to the quarry site. However, it is recommended that the proponent shall maintain the green belt all around the quarry site covering a width of 10 m during the quarrying operations.
3. Mining operation was carried out in the year of 2013-14 to 2017-18 vide EC Lr. No. SEIAA-TN/F. No. 971/EC/1(a)/378/2013 dated: 06.06.2013 Hence, the PP shall obtain the Certified Compliance report from IRO/MoEF & CC, Chennai (or) the DEE/TNPCB.
4. Even though an Individual house is located 170m South West side of the project site along with a Poultry farm is located and Crusher are located at a distance of 180m South East and 250m South respectively, no objections/complaints were made to the SEAC sub-committee by the House owner during the interaction with the SEAC sub-committee. However, the sub-committee observes the Rule 36 (1-A) (a) (a) of Tamil Nadu Minor Mineral Concession Rules, 1959 which states that
*"...No lease shall be granted for quarrying stone within 300 metres (three hundred metres) from any inhabited site;
Provided that the **existing quarries** which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai."*
5. Hence, it is recommended to adopt the controlled blasting operation after obtaining the prior permission from the Director of Mines Safety, Chennai Region which shall be obtained before obtaining the CTO from the TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Hence, the subcommittee opines the proposal for the grant of environmental clearance for the proposed Rough stone and Gravel Quarry lease area over an extent of 1.40 Ha at S.F.Nos. 22/4 (Part) of Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Tmt. B. Mekala, may be considered for the appraisal of the SEAC.

P4 – Thiru. M. Krishnan - 8179

OBSERVATIONS OF THE SUB-COMMITTEE

Sl No.	Criteria	Observation in the filed
1.	Previous lease details	Existing pit observed in the project area operated in the year of 12.08.2014 to 11.08.2019 in S.F.Nos 176/1B, 176/2, 176/6B, 176/11, 176/3 & 176/9 Over an extent of 3.07.5 ha , now applied for reducing the area such as 0.90.25 ha only in S.F.Nos 176/2, 176/3 (P) & 176/11 (P) Previous EC Details Previous EC Details Rc. No. : 81/Mines/2013 Dated: 12.08.2014 Proponent obtained Certified Compliance Report Vide Lr.No EP/12.1/2022-23/SEIAA/50/TN/679 dated 29.06.2022 Lease Period: 12.08.2014 to 11.08.2019
2	Drilling , Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 17 Nos
4	Waste	No waste anticipated, entire quarried out material will be utilized for commercial applications.
5	Habitation / Forest location	Habitation:- There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(1) of TNMMCR, 1959. Nearest Structures Labour Shed 20m South (belongs to owner), Crusher – 20m (belongs to owner) Poultry farm 220m South West Farm house – 230m South West Nearest Reserve Forest Palanthinnipatti RF 8.5 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 37m bgl As per ToR recommendation depth has been reduced to 32m bgl

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC- TN

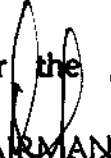
		Water table in this area is 62m from GL. Hence there is no possibility of intersection ground water table.
7	Greenbelt	No adequate greenbelt development has been carried out.
8	Water bodies near the project site	No water bodies exist within the radius of 50m from the project site, as per the legal requirements.
9	Mined material transport route	500 meters away from habitation

RECOMMENDATIONS OF THE SUB COMMITTEE

1. It is an existing quarry greenbelt development has been carried out south and west side of the area only, but however the greenbelt is required to be developed around the project area.
 2. Mining operation was carried out during the period of 12.08.2014 to 11.08.2019 vide Lr. No. SEIAA-TN/ F.No. 1820/EC/1(a)/1193/2013 Dated: 10.04.2014 by the same Proponent, proponent obtained certified compliance report vide Lr. No EP/12.1/2022-23/SEIAA/50/TN/679 dated 29.06.2022.
 3. Since a Labour Shed and Crusher are located at a distance of about 20m South (belongs to owner) along with Poultry farm & Farm house South West are situated at a distance of 220 m & 230m South West respectively, the Proponent shall be advised to carryout controlled blasting with line drilling method to reduce ground vibration.
 4. However, the sub-committee observes the Rule 36 (1-A) (a) (a) of Tamil Nadu Minor Mineral Concession Rules, 1959 which states that
*"...No lease shall be granted for quarrying stone within 300 metres (three hundred metres) from any inhabited site;
Provided that the existing quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai."*
 5. Hence, it is recommended to adopt the controlled blasting operation after obtaining the prior permission from the Director of Mines Safety, Chennai Region which shall be obtained before obtaining the CTO from the TNPCB.
 6. It is observed fencing has not been fully carried out and hence it is recommended to erect barbed wire fencing around the project area with name board before obtaining the CTO from the TNPCB.
- Hence, the subcommittee opines the proposal for the grant of


MEMBER SECRETARY
SEAC -TN

93


CHAIRMAN
SEAC- TN

environmental clearance for the proposed Rough stone and Gravel Quarry lease area over an extent of 0.90.25 Ha at S.F.Nos. 176/2, 176/3 (P) & 176/11 (P) of Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. M.Krishnan, may be considered for the appraisal of the SEAC.
SUBMITTED TO THE COMMITTEE FOR FURTHER ACTION

P5 – Thiru. S.Nandhakumar

OBSERVATIONS OF THE SUB-COMMITTEE

Sl No.	Criteria	Observation in the filed
1.	Previous lease details	Area has been quarried earlier in the Same S.F.No during the period of 28.07.2014 to 27.07.2019 vide EC No SEIAA-TN/F.No.2173/EC/1(a)/1233/2014 dated 15.04.2014 Proponent obtained Certified Compliance report E.P/12.1/2022-23/SEIAA/53/TN/674 dated 29.06.2022 Existing depth 10m bgl
2	Drilling , Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 12 Nos
4	Waste	No waste anticipated, entire quarried out material will be utilized for commercial applications.
5	Habitation / Forest location	Habitation:- There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(1) of TNMMCR, 1959. A Farm house is located in North side of the area about 20m from the boundary, and hence as per precise area communication letter, a 50m safety distance has been left to carry out the quarrying operations from the boundary. Nearest Structures: Labour Shed 70m South (belongs to owner), Habitation (group of houses) 210m west side of the project area. Palanthinnipatti RF 7.8 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 37m bgl As per ToR recommendation depth has been reduced to 32m bgl


MEMBER SECRETARY
SEAC -TN


CHAIRMAN,
SEAC- TN

		Water table in this area is 62m from GL. Hence there is no possibility of intersection ground water table.
7	Greenbelt	No adequate greenbelt development has been carried out.
8	Water bodies near the project site	No water bodies exist within the radius of 50m from the project site, as per the legal requirements.
9	Mined material transport route	500 meters away from habitation

RECOMMENDATIONS OF THE SUB COMMITTEE

1. Previous mining operation was carried out after leaving necessary safety distance to the farm house located North side of the project area.
2. It is an existing quarry and the dense greenbelt shall be carried out in the unutilized safety area of the quarry.
3. Mining operation was carried out during the period of 28.07.2014 to 27.07.2019 vide EC No SEIAA-TN/F.No.2173/EC/1(a)/1233/2014 dated 15.04.2014. The Proponent obtained certified compliance report vide 28.07.2014 to 27.07.2019.
4. The Proponent shall be instructed to carryout controlled blasting with line drilling method to reduce ground vibration.
5. Since a Labour Shed and Crusher are located at a distance of about 20m South (belongs to owner) along with Poultry farm & Farm house South West are situated at a distance of 220 m & 230m South West respectively, the Proponent shall be advised to carryout controlled blasting with line drilling method to reduce ground vibration.
6. However, the sub-committee observes the Rule 36 (I-A) (a) of Tamil Nadu Minor Mineral Concession Rules, 1959 which states that
*"...No lease shall be granted for quarrying stone within 300 metres (three hundred metres) from any inhabited site;
Provided that the existing quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai."*
7. Hence, it is recommended to adopt the controlled blasting operation after obtaining the prior permission from the Director of Mines Safety, Chennai Region which shall be obtained before obtaining the CTO from the TNPCB.
8. It is observed fencing has not been fully carried out and hence it is recommended to erect barbed wire fencing around the project area with name board before obtaining the CTO from the TNPCB.


MEMBER SECRETARY
SEAC -TN

95


CHAIRMAN
SEAC-TN

Hence, the subcommittee opines the proposal for the grant of environmental clearance for the proposed Rough stone and Gravel Quarry lease area over an extent of 1.16.0 Ha at S.F.Nos. 22/2 of Marapparai Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. S.Nandhakumar, may be considered for the appraisal of the SEAC.

P6 – Thiru. S.Rengasamy

OBSERVATIONS OF THE SUB-COMMITTEE

Sl No.	Criteria	Observation in the filed
1.	Previous lease details	The previously granted in favour of Thiru. S.Rangasamy, over an extent of 1.48.5 ha, of patta land in S.F.Nos. 176/5 and vide Rc.No. 288/Mines/2011. Dated: 12.05.2012 for the period of 11.06.2012 to 10.06.2017 Existing depth 17m bgl
2	Drilling , Blasting and Heavy Machinery use	Planned to adopt the Drilling & Blasting operations
3	Adequate and qualified statutory personnel	In the mining plan it is proposed to deploy 14 Nos
4	Waste	No waste anticipated, entire quarried out material will be utilized for commercial purposes.
5	Habitation / Forest location	Habitation:- There is no habitation within 50 mts radial distance of lease hold area as per Rule 36(1) of TNMMCR, 1959. Nearest Structures Farm house – 170m, 200m and 230m North, Shed is about 250m North East Palanthinnipatti RF 7.8 km NE
6.	Ground water table intersection.	Depth proposed in mining plan is 42m bgl As per ToR recommendation depth has been reduced to 37m bgl Water table in this area is 62m from GL. Hence there is no possibility of intersection ground water table.
7	Greenbelt	No sufficient greenbelt development has been carried out.
8	Water bodies near the project site	No water bodies within the radius of 50m from the project site as per the legal requirements.
9	Mined material transport route	500 meters away from habitation

MEMBER SECRETARY
SEAC -TN

CHAIRMAN
SEAC -TN

RECOMMENDATIONS OF THE SUB COMMITTEE

1. It is an existing quarry no proper greenbelt development carried out in the previous lease period
2. Mine Not fully fenced proponent advised to erect barbed wire fencing before commencing the mining operation
3. Proponent advised to carryout controlled blasting with line drilling method to reduce ground vibration

Hence, the subcommittee recommend the **proposal for the grant of environmental clearance** for Rough stone and Gravel Quarry lease area over an extent of 2.02.3 Ha at S.F.Nos. 176/1A, 176/5A, 176/6A & 316/2B2 of Marapparai & Paruthipalli Village, Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. S.Rengasamy.

During the inspection of aforesaid quarries, the sub-committee has observed that one of the quarries in the cluster belongs to Thiru. K. Sengodagoundar operating in S.F. No: 22/381 & 22/382 which have obtained the lease & prior EC for a period of 23.02.2018 to 22.02.2023 carried out the blasting operations by using the NONEL based initiation system but without giving sufficient warning signal as required under the provisions of Reg. 164 (1-A) (b) of MMR 1961. This shows lack of coordination among the proponents among the cluster quarry proponents for ensuring the safe environment. Therefore, the Sub-committee had recommended the following measures to be followed without any deviations by all the aforesaid six proponents besides adopting the above 'Proposal-based individual recommendations'.

Based on the subcommittee report and the documents furnished by the Project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for the projects P1 to P6** subject to not exceeding the Total Excavation Volume & the Annual Peak production quantity as stipulated in the following Table 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:

PROPOSED QUARRIES					
Quarry No	Name of the Owner	S.F.Nos	Extent	Totl Excavation Volume (m ³) & Ultimate Pit Depth (m)	Annual Peak Production Capacity, m ³ /Annam
P1	Thiru. R.Paramasivam, S/o. Ramasamy, No.4-122/2 Road, Andagalur Gate,	20/2B (Part) and	1.00.0 ha	115582m ³ of Rough stone and 10048m ³ of Gravel & 47m	28785m ³ of Rough stone (2 nd

MEMBER SECRETARY
SEAC -TN

97

CHAIRMAN
SEAC-TN

	Rasipuram Taluk, Namakkal District, Tamil Nadu	21/5C (part)			year) & 10,048m ³ of Gravel
P2	Thiru.K.Periyasamy, S/o. Kandasamy, No.5/49, Thennamarathupalayam, Marappalai, Tiruchengode Taluk, Namakkal District, Tamil Nadu State – 637 410	21/5B(Part)	1.00.0 ha	1,14,385m ³ of Rough stone and 8,568m ³ of Gravel & 37m (2m Gravel + 35m Rough stone).	30,345cu.m
P3	Tmt.B.Megaia, D/o.Balasundaram, Thennamarathupalayam, Marappalai, Tiruchengode Taluk, Namakkal District, Tamil Nadu State – 637 410	224(Part)	1.40.0ha	The production for 5 years not to exceed – 86,650m ³ of Rough stone & 46m (1m top soil + 45m Rough stone).	17840cu.m of Rough stone.
P4	Thiru.M.Krishnan, S/o. Marappan, Periya manali Road, Vaiyappamalai Post, Tiruchengode Taluk, Namakkal District – 637 410	176/2, 173/3(P), & 176/11(P)	0.90.25ha	The production for 5 years not to exceed 1,06,675m ³ of Rough stone and 3,102 m ³ of Gravel & is 32m (2m Gravel + 30m Rough stone) below ground level.	22,870m ³ of Rough stone and 1,222m ³ of Gravel.
P5	Thiru. S.Nandhakumar, S/o. Sellappan, No.4/103, Mettukadu, Nallampalayam, Konnayar, Tiruchengode Talu Namakkal District – 637 202	22/2	1.16.0ha	The production for 5 years 34603m ³ of Rough stone and 2520 m ³ of Gravel & is 27m BGL..	6983m ³ of Rough stone (2 nd year) & 840m ³ of Gravel (1 st , 2 nd &3 rd year)
P6	Thiru.S.Rangasamy, S/o. Subbayan, Kattipalayam, Karungalpatti (Post), Tiruchengode Taluk, Namakkal District – 637 410	176/1A, 176/5A, 176/6A & 316/2B2	2.02.3 ha	The production for 5 years 70750m ³ of Rough stone and 8050 m ³ of Gravel & is 37m (2m Gravel + 35m).	16590m ³ of Rough stone (1 st year) & 2754m ³ of Gravel (3 rd year)

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


MEMBER SECRETARY
SEAC - TN

98


CHAIRMAN
SEAC- TN

time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.


2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before obtaining the CTO, as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The 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.
4. The PP shall maintain a safety zone of 7.5 m invariably along the South side of the proposed quarry adjacent to the neighbouring quarry and it shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.
5. The PP shall ensure that a 'Code of Practice for carrying out the blasting operation in the cluster environment' is framed by the statutory Mine Managers of all the quarries in consultation with each other confirming safe withdrawal of persons from danger zone during the blasting and developing a full proof system of warning persons in the danger zone on both the quarries before blasting and the same shall be implemented.
6. The PP shall furnish the aforesaid 'Code of Practice for carrying out the blasting operation near the common boundary', 'sequence of quarrying


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

operation' and 'modalities for working' near the common boundary, framed jointly by the statutory Mine Managers of all the quarries within six months of commencement of quarrying operation to the SEIAA, AD (Geology & Mines), DEE/TNPCB, IRO/MoEF and Director of Mines Safety, Chennai.

7. 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.
8. 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.
9. Since few habitations are situated at a distance of 400 m to 700 m from the mine lease boundary of cluster, the Project Proponents of all the quarries located in the cluster shall carry out a scientific study collectively on "Cumulative Environmental Impact of blasting operations carried out in the quarries situated in the cluster such as Ground Vibrations, Air Blast and Fly rock on the surrounding structures and other important features" within six months from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
11. The PP shall carry out the scientific studies to assess the slope stability of the existing highwall benches and quarry wall within one year from the commencement of mining operations by involving a reputed Research and Academic Institution such as NIRM, IIT (ISM), IIT-Madras, NIT-Dept of Mining



MEMBER SECRETARY
SEAC -TN

100


CHAIRMAN
SEAC- TN

Engg. Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

12. 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.
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.


MEMBER SECRETARY
SEAC -TN

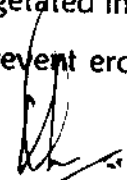
101


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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

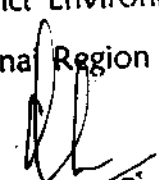
13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix -II of this minute.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN

Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Ascle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சளம், ஆனந்தகுன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலை
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	பூசக மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலை
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உவா
21	<i>Diospyro ebenum</i>	Karungali	கருங்காளி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகை
23	<i>Ficus amphissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றாப்பூசக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயில் மரம், ஆயிலி
27	<i>Lanea coromandelica</i>	Odlum	ஒடலம்
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	வில்வ மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பின்பட்டை
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	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

MEMBER SECRETARY
SEAC -TN

107

CHAIRMAN,
SEAC - TN

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


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC - TN

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

சுரங்கம்

கறங்கங்களில் சூவாதி செயல்பாடுகளுக்கான கற்றுத்தழல் அனுமதி கிழகம். நித்தனைகளுக்கு உட்பட்ட வறங்கப்பட்டுள்ளது SEAAV —, தேதி உட்பட்ட, கற்றுத்தழல் அனுமதி — தேதி வளர செயல்படுத்தக்கூடாது உள்ளது.

பகலம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான கறங்கத் திட்டம்	சூவாதிபின் எல்லையை கற்றி வேலி அமைக்க வேண்டும் கறங்கப்பாறையின் ஆழம் தளமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். கறத்தில் மாக ஏற்படாதவாறு கறங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு புராமதிகப்பெயர்வு மறங்கன் எண்ணிக்கை:	வாகணங்கள் செல்லும் பாறையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறைபாக தண்ணீர் லாநிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இளஞ்சல் அளவைமறம் தூசி மாகவட்டப்படும் சூவாதிபின் எல்லையை கற்றி அடத்திபாண பகலம் பகுதியை ஏற்படுத்த வேண்டும்.
கறங்கத்தில் பெரு எவக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கறகன் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்மிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கறங்கத்தில் இருந்து ஏற்படும் இளஞ்சல் அளவு 85 செ.மீ.யில் (85A) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
கறங்க சட்ட விதிகள் ஈண்டு கறங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கொதுமுள்ள கறிப்பாற வசதிகளை செய்யு தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வறியாக வாகணங்கள் செல்லும் சாலைகளை தெடர்ந்து தங்கு புராமதிக வேண்டும். கறங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்திலைகள் பாதிக்கப்படக் கூடாது.	
தீர்திலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வாகையில் திரத்தடி தீர்த் தரத்திலை தெடர்ந்து கண்காணிக்க வேண்டும். கறங்கத்திலிருந்து கணிம பொதுக்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் கிரமத்திலையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகணங்களை இயக்க வேண்டும்.	
கறங்கப்பணிகள் முடிக்கப்பட்டவுடன் கறங்க மூடல் திட்டத்தில் உள்ளவாறு கறங்கத்திலை மூட வேண்டும்.	
கறங்க நடவடிக்கைகளை முடித்தபின்னர் கறங்கப் பகுதி மற்றும் கறங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்யு தாவறங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வாகையில் பலவாறுபகுதியை உருவாக்க வேண்டும்.	
முலையகம் நித்தனைகளை அறிய பாதிவேறு (https://parivahan.nic.in) என்ஹி இணையதளத்தைப் பார்க்கவும். மேலும் எந்தவித கற்றுத்தழல் சாந்த புரங்களுக்கு சென்னையில் உள்ள கற்றுத்தழல் மற்றும் வள அமைச்சகத்தின் ஒருங்கிணைந்த வட்டபு அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வறியத்தின் மாகவட்ட கற்றுத்தழல் பொறியாளரை அணுகவும்.	

MEMBER SECRETARY
SEAC -TN

109

CHAIRMAN
SEAC - TN