

State Expert Appraisal Committee-1 (SEAC-1)

Minutes of 559<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 05.05.2025 (Monday) at SEAC Conference Hall, 9th Floor, MetroS (CMRL building), Nandanam, Chennai-600035 for Mining Projects.

Confirmation of Earlier Minutes

The minutes of the 558<sup>th</sup> SEAC meeting held on 29.04.2025 were circulated to the Members in advance. The Committee decided to confirm the minutes.

Agenda No:559 -01

(File No:11887/2025)

Proposed Gravel quarry over an Extent 2.37.0 Ha at S.F. Nos: 128/1A1, 128/2 Alagappasamuthiram Village, Panruti Taluk, Cuddalore District, Tamil Nadu by Thiru. K. Pavadai- For Environmental Clearance. (SIA/TN/MIN/525229/2025, Dated: 22.02.2025).

The proposal was placed in the 559<sup>th</sup> Meeting of SEAC held on 05.05.2025. 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. K. Pavadai, has applied for Environmental Clearance for the proposed gravel quarry over an extent 2.37.0 Ha at S.F. Nos: 128/1A1, 128/2 Alagappasamuthiram Village, Panruti Taluk, Cuddalore District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. It is noted that the Project Proponent has obtained the soil test report from the Department of Technical Education, Tamil Nadu, Government College of Engineering, bearing reference number Lr.No:GCE/DPI/CIVIL/SOIL/2024/C-270, dated 31.01.2025, indicating that the Gravel 76.40%, Sand 18.80%, Silt and Clay 04.80%.
4. The salient features of the project are as follows:

File No.	11887	Category	B2
----------	-------	----------	----

  
MEMBER SECRETARY  
SEAC-TN

1

  
CHAIRMAN  
SEAC- TN

		525229		1(a)
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	K. Pavadai S/o. Kasinathan No. 9, Mela Street Serakuppam, Vadalur Cuddalore District – 607 303.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Gravel quarry	
3.	S.F Nos. of the quarry site	:	128/1A1, 128/2	
4.	Village in which situated	:	Alagappasamuthiram	
5.	Taluk in which situated	:	Panruti	
6.	District in which situated	:	Cuddalore	
7.	Extent of quarry (in ha.)	:	2.37.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	Latitude : 11°41'19.79"N to 11°41'27.73"N Longitude : 79°35'07.09"E to 79°35'11.53"E	
9.	Topo Sheet No.	:	58M/10	
10.	Type of mining	:	It is a conventional mechanized quarrying operation without drilling and blasting.	
11.	Details of Environmental Setting.	:	<b>Nearest Habitation:</b> 740m – North East <b>Nearest School:</b> Kurinji Matriculation School, Varisankuppam – 1.2km – North West <b>Nearest Water Bodies:</b> Odai – 300m – South West <b>Nearest Reserve Forest:</b> Kangiruppu RF –8.0km – South West <b>Nearest Sanctuary:</b>	

MEMBER SECRETARY  
SEAC -TN

2

CHAIRMAN  
SEAC - TN

			Ossudu Lake Bird Sanctuary – 32.7km – North East <b>Nearest Highway:</b> National Highway – Panruti – Kumbakonam (NH-36) – 3.7km - West State Highway – Silambinathampettai – Kurinjipadi (SH -252) – 3.8km – South East
12.	NBWL Clearance/ Conservation Measures	:	Not Applicable
13.	Details of Previous History	:	It is Fresh Quarry
14.	CCR If Applicable	:	Not Applicable
15.	Life of Project	:	3 Years
	Lease Period	:	3 Years
	Mining Plan Period	:	3 Years
16.	Mining Plan Details	:	As per approved Mining Plan Gravel quarry
	Geological Resources m <sup>3</sup>	:	84,270m <sup>3</sup> of Gravel
	Minable Resources m <sup>3</sup>	:	50,790m <sup>3</sup> of Gravel
	Annual Peak Production in m <sup>3</sup>	:	19584m <sup>3</sup> of Gravel
	Depth	:	5m (3m AGL +2m BGL)
17.	Depth of water table	:	55m BGL
18.	Man Power requirement per day:	:	13 Nos
19.	Water requirement	:	2.0 KLD
	a) Domestic	:	0.2 KLD (Sanitation & Drinking)
	b) Dust Suppression	:	0.8 KLD
	c) Green Belt	:	1.0 KLD
20.	Power requirement	:	8,470 liters of HSD for 3 Years

21.	Precise area communication approved by the Assistant Director, Department of G&M.	:	Rc. No. 149/Mines/2024, Dated: 28.01.2025
22.	Mining Plan approved by Assistant Director, Department of G&M.	:	Rc. No. 149/Mines/2024, Dated: 07.02.2025
23.	500m Cluster Letter approved by the Assistant Director, Department of G&M	:	Rc. No. 149/Mines/2024, Dated: 07.02.2025
24.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 10.02.2025
25.	Project Cost	:	Rs. 48,32,000/-
26.	EMP cost (in Rs. Lakhs).	:	Capital cost Rs.1,98,000 /- Recurring Cost Rs.22,000 /-
27.	CER cost (in Rs. Lakhs).	:	Rs. 50,000/-
28.	SEAC Recommendation.	:	Recommended
29.	Recommended Quantities	:	Validity 30 Years subject to the following upper limits
		:	Annual Max in m <sup>3</sup> 19,584m <sup>3</sup> of Gravel
		:	Depth in Mtrs 5m (3m AGL +2m BGL)
30.	Standard Conditions	:	Annexure I
31.	Is the depth proposed more than 40m.	:	No
32.	If 31 above is YES	:	Special Conditions II
33.	Is the proposed area located near Reserve Forest	:	No
34.	If 33 above is YES	:	Special Conditions III
35.	Special Conditions	:	As below

**Committee Recommendation:**

  
MEMBER SECRETARY  
SEAC -TN

4

  
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 for the annual peak production capacity of not exceeding 19,584 m<sup>3</sup> of Gravel for an ultimate depth of 5m (3m – AGL & 2m - BGL), subject to the following specific conditions and it 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:

1. The PP shall ensure that the loaded trucks are covered with a tarpaulin to avoid the spillage & dust pollution while transportation.
2. The PP shall carry out the required number of plantations as committed in the EMP without deviation before obtaining the CTO from the TNPCB.
3. The PP shall not carry out drilling & blasting operations in the proposed quarry.
4. The PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
5. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
6. As accepted by the Project Proponent the CER cost of Rs. 50,000/- and the amount shall be spent for the activities as committed towards Government Aided RC Middle School, Molandikuppam, Panruti Taluk, Cuddalore District. before obtaining CTO from TNPCB.

Agenda No: 559 - 02

(File No: 11908/2025)

Proposed Gravel Quarry lease over an extent of 2.23.0Ha at S.F.No. 142/1A(Part), Kannankottai Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by M/s. P.S.K. Engineering Construction & Co- for Environmental Clearance.

(SIA/TN/MIN/527411/2025, Dated: 04/03/2024)



MEMBER SECRETARY  
SEAC -TN



CHAIRMAN  
SEAC- TN

The proposal was placed in the 559<sup>th</sup> meeting of SEAC held on 05.05.2025. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent made a detailed presentation.


The SEAC noted the following:

1. The project proponent, M/s. P.S.K. Engineering Construction & Co has applied seeking Environmental Clearance for Proposed Gravel Quarry lease over an extent of 2.23.0Ha at S.F.No. 142/1A(Part), Kannankottai Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the precise area communication, the lease period is 2 Months and mining plan period is for 2 Months & production should not exceed 20,000m<sup>3</sup> of Gravel. As per the approved mining plan, the annual peak production shall not 20,000m<sup>3</sup> of Gravel for an ultimate depth of 0.9m BGL.
4. The PP has furnished the details of soil (mineral) test report from Department of Geology, Tamil Nadu, University of Madras, wherein it is reported that the sample soil contains 78.00% of Gravel, 9.00% of Sand, and 6.00% of Silt & 7.00% of Clay.
5. The salient features of the proposal as furnished by the project proponent are as follows:

File No: 11908/2025		Category	B2
SIA/TN/MIN/527411/2025			1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm and Address	:	M/s. P.S.K. Engineering Construction & Co, No. 2/72, Kalappanaickenpatti, Nadukkombai Post, Namakkal District – 637 404
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Gravel quarry
3.	S.F Nos. of the quarry site	:	142/1A(PART)

  
MEMBER SECRETARY  
SEAC-TN

6

  
CHAIRMAN  
SEAC- TN

4.	Village in which situated	:	Kannankottai
5.	Taluk in which situated	:	Gummidipoondi
6.	District in which situated	:	Tiruvallur
7.	Extent of quarry (in ha.)	:	2.23.0 Ha
8.	Latitude & Longitude of all corners of the quarry site.	:	Latitude Between: 13°22'38.52" N to 13°22'43.77" N Longitude Between: 79°57'30.89" E to 79°57'38.95" E
9.	Topo Sheet No.	:	57 O/15
10	Type of mining	:	It is a conventional mechanized quarrying operation without drilling and blasting.
11	Details of Environmental Setting.	:	<b>Reserve Forest:</b> Palavakkam RF – 3.0km – South West <b>Wild Life Sanctuary:</b> Pulicat Lake Wildlife Sanctuary– 32.0km – North East
12	NBWL Clearance/ Conservation Measures	:	Not Applicable
13	Details of Previous History	:	it is a fresh lease
14	CCR If Applicable	:	Not Applicable
15	Life of Project	:	2 Months
	Lease Period	:	2 Months
	Mining Plan Period	:	2 Months
16	Mining Plan Details	:	As per approved Mining Plan Rc. No. 293/2024/G&M-2, Dated: 18.02.2025
	Geological Resources m <sup>3</sup> (RoM)	:	Gravel 20,070
	Minable Resources m <sup>3</sup> (RoM)	:	Gravel 20,070
	Production Capacity in m <sup>3</sup>	:	Gravel 20,000
	Maximum Depth in meters	:	0.9m BGL
17	Depth of water table	:	22m BGL

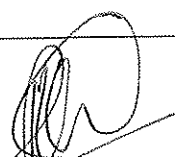
MEMBER SECRETARY  
SEAC -TN

7

CHAIRMAN  
SEAC- TN

18	Man Power requirement per day:	:	13 Nos						
19	Water requirement: 1. Drinking & Domestic 2. Dust Suppression 3. Green belt	:	2.0 KLD 0.3 KLD 1.0 KLD 0.7 KLD						
20	Power requirement	:	3,330 Liters of HSD for the entire life						
21	Precise area communication approved by District Collector of Dept. of Geology & Mining.	:	Rc. No. 293/2024/Mines.1, Dated: 27.01.2025						
22	Mining Plan approved by the Assistant Director of Dept. of Geology & Mining	:	Rc. No. 293/2024/G& M-2, Dated: 18.02.2025						
23	500m cluster letter issued by the Assistant Director of Dept. of Geology & Mining.	:	Rc. No. 293/2024/G&M-1, Dated: 18.02.2025						
24	VAO Certificate Regarding Structures within 300m Radius	:	Letter Obtained						
25	Project Cost (excluding EMP cost)	:	Rs.19.29 Lakhs /-						
26	EMP cost (in Rs. Lakhs).	:	Capital cost: Rs. 81,000/- Recurring cost: Rs. 7000/-						
27	CER cost (in Rs. Lakhs).	:	Rs. 50,000/-						
28	SEAC Recommendation.	:	Recommended						
29	Recommended Quantities	:	<table border="1"> <tr> <td>Validity</td> <td>30 years subject to the following upper limits.</td> </tr> <tr> <td>Production Capacity in m<sup>3</sup></td> <td>20,000</td> </tr> <tr> <td>Depth in Mtrs</td> <td>0.9m BGL</td> </tr> </table>	Validity	30 years subject to the following upper limits.	Production Capacity in m <sup>3</sup>	20,000	Depth in Mtrs	0.9m BGL
Validity	30 years subject to the following upper limits.								
Production Capacity in m <sup>3</sup>	20,000								
Depth in Mtrs	0.9m BGL								
30	Standard Conditions	:	Annexure I						

  
MEMBER SECRETARY  
SEAC-TN

  
CHAIRMAN  
SEAC- TN

31	Is the depth Proposed more than 40m.	:	YES	✓ NO
32	If 31 above is YES	:	Special Conditions II	
33	Is the proposed area located near Reserve Forest	:	YES	✓ NO
34	If 33 above is YES	:	Special Conditions III	
35	Other Special Conditions	:	-	

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production capacity of not exceeding 20,000m<sup>3</sup> of Gravel for an ultimate depth of 0.90m BGL subject to the following specific conditions and it 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:

- 1) The PP shall ensure that the excavated Gravel will be used for filling and levelling of low-lying areas for road projects and other infrastructure development work in and around the district.
- 2) The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
- 3) The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
- 4) As accepted by the Project Proponent the CER cost is Rs. 50,000/- and the amount shall be spent for the committed activities at Panchayat Union Middle School, Thalakancheri, Tiruvallur District. before obtaining CTO from TNPCB.

Sl.no	Description	CER Cost INR
1.	Providing Compound Gate, RO Water Purifier and Desks & Benches	Rs.50,000

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

Total	Rs.50,000
-------	-----------

Agenda No: 559 - 03

(File No:11913/2025)

Existing Rough Stone Quarry lease over an extent of 1.00.0 Ha at S.F.No. 199/1 (PART), of Masinaickenpatti Village, Valapady Taluk, Salem District, Tamil Nadu by: Tmt. K. Neela, - For Environmental Clearance. (SIA/TN/MIN/446096/2023, Dated: 27/09/2023)

The proposal is placed in 559<sup>th</sup> SEAC meeting held on 05.05.2025. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. K. Neela, has applied for Environmental Clearance for the Existing Rough Stone Quarry lease over an extent of 1.00.0 Ha at S.F.No. 199/1 (PART), of Masinaickenpatti Village, Valapady Taluk, Salem District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the proposal are given below.

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

- i. The PP shall Furnish the Certified Compliance Report (CCR).
- ii. The PP need to enumerate the details of Structures located within 300m radius from the proposed quarry site.

On receipt of the same, further deliberations shall be done. Hence, the proponent is advised to submit the details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.

Agenda No:559 -04

(File No:11914/2025)

Existing Rough Stone quarry over an area of 1.00.0Ha at S.F. No: 446/1(P), Marakkottai Village, Kadayampatti Taluk, Salem District, Tamil Nadu by Thiru. R.

  
MEMBER SECRETARY  
SEAC -TN

10

  
CHAIRMAN  
SEAC- TN

Rajesh- For Environmental Clearance. (SIA/TN/MIN/439466/2025, Dated: 07.08.2023).

The proposal was placed in the 559<sup>th</sup> meeting of SEAC held on 05.05.2025. The Project Proponent made a detailed power point presentation about the proposed project. 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. Rajesh has applied for Environmental Clearance for the existing Rough Stone quarry over an area of 1.00.0Ha at S.F. No: 446/1(P), Marakkottai Village, Kadayampatti Taluk, Salem 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.

Based on the presentation and details furnished by the project proponent, SEAC decided to defer the proposal and call for additional particulars as follows.

1. The PP shall obtain Certified Compliance Report (CCR) from Integrated Regional Office, MoEF&CC, Chennai for the earlier Environmental Clearance obtained from DEIAA.
2. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m & upto 1km shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, Temples etc., and spell out the mitigation measures to be proposed for the protection of the above structures, if any during the quarrying operations.
3. The PP shall clarify the variation in elevation and depth between the previous mining plan and the proposed mining plan.

On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

Agenda No:559 -05

(File No: 11944/2025)

Proposed Gravel quarry over an Extent 1.18.0 Ha at S.F. Nos: 310/2, Kovilur Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by Thiru. R. Manikandan - For Environmental Clearance. (SIA/TN/MIN/529186/2025, Dated: 13/03/2025).

The proposal was placed in the 559<sup>th</sup> Meeting of SEAC held on 05.05.2025. 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. R. Manikandan, has applied for Environmental Clearance for the proposed gravel quarry over an Extent 1.18.0 Ha at S.F. Nos: 310/2, Kovilur Village, Ariyalur Taluk, Ariyalur 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. It is noted that the Project Proponent has obtained the soil test report from the Department of Technical Education, Tamil Nadu, Government College of Engineering, with reference number Lr.No:GCE/DPI/CIVIL/SOIL/2024/C-279, dated 06.03.2025, indicating that the Gravel 78.60%, Sand 17.40%, Silt and Clay 04.00%.
4. The salient features of the project are as follows:

File No.	11944		Category	B2	
	529186			1(a)	
Sl. No	Salient Features of the Proposal				
1.	Name of the Owner/Firm	:	Thiru. R. Manikandan, S/o. Rajagopal, No. 1-88, West Street, Vandarayankatalai, Elakurichi Post, Ariyalur Taluk & District – 621 715.		
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Gravel quarry		

MEMBER SECRETARY  
SEAC -TN

12

CHAIRMAN  
SEAC- TN

3.	S.F Nos. of the quarry site	: 310/2
4.	Village in which situated	: Kovilur
5.	Taluk in which situated	: Ariyalur
6.	District in which situated	: Ariyalur
7.	Extent of quarry (in ha.)	: 1.18.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	: Latitude : 10°58'28.83"N to 10°58'37.43"N Longitude : 79°09'53.99"E to 79°09'56.03"E
9.	Topo Sheet No.	: 58-N/01
10.	Type of mining	: It is a conventional mechanized quarrying operation without drilling and blasting.
11.	Details of Environmental Setting.	: <b>Nearest Habitation:</b> 1.2km – North West <b>Nearest School:</b> Government High School, Kovilur – 1.80km – North East <b>Nearest Water Bodies:</b> Canal – 600m – South East <b>Nearest Reserve Forest:</b> Sullangudi RF – 3.7km – South West <b>Nearest Sanctuary:</b> Karaivetti Bird Sanctuary – 11.6km – North West <b>Nearest highway</b> i.National Highway – Ariyalur – Thiruvaiyaru (NH-136) – 8.0km - South West ii.State Highway – Kumbakonam – Thiruvaiyaru (SH -22) – 6.6km – South East
12.	NBWL Clearance/ Conservation Measures	: Not Applicable
13.	Details of Previous History	: It is Fresh Quarry

14.	CCR If Applicable	: Not Applicable
15.	Life of Project	: 1 Year
	Lease Period	: 1 Year
	Mining Plan Period	: 1 Year
16.	Mining Plan Details	: As per approved Mining Plan Gravel quarry
	Geological Resources m <sup>3</sup>	: 23,368 m <sup>3</sup> of Gravel
	Minable Resources m <sup>3</sup>	: 13,688 m <sup>3</sup> of Gravel
	Annual Peak Production in m <sup>3</sup>	: 13,688m <sup>3</sup> of Gravel
	Depth	: 2m BGL
17.	Depth of water table	: 55m BGL
18.	Man Power requirement per day:	: 14 Nos
19.	Water requirement	2.0 KLD
	a. Domestic	0.2 KLD (Sanitation & Drinking)
	b. Dust Suppression	0.8 KLD
	c. Green Belt	1.0 KLD
20.	Power requirement	: 2,280 liters for HSD for the entire life.
21.	Precise area communication approved by the Assistant Director, Department of G&M.	: Rc. No. 359/G&M/2022, Dated: 13.01.2025
22.	Mining Plan approved by Assistant Director, Department of G&M.	: Rc. No. 359/Mines/2022, Dated: 04.02.2025
23.	500m Cluster Letter approved by the Assistant Director, Department of G&M	: Rc. No. 359/Mines/2022, Dated: 04.02.2025
24.	VAO Certificate Regarding Structures within 300m Radius	: Letter Dated: 21.02.2025
25.	Project Cost	: Rs. 16,73,000/-

26.	EMP cost (in Rs. Lakhs).	:	Capital cost Rs.1,41,000/- Recurring Cost Rs.22,000/-	
27.	CER cost (in Rs. Lakhs).	:	Rs.50,000/-	
28.	SEAC Recommendation.	:	Recommended	
29.	Recommended Quantities	:	Validity	30 Years subject to the following upper limits
		:	Annual Max in m <sup>3</sup>	13,688 m <sup>3</sup> of Gravel
		:	Depth	2m BGL
30.	Standard Conditions	:	Annexure I	
31.	Is the depth recommended more than 40m.	:	No	
32.	If 31 above is YES	:	Special Conditions II	
33.	Is the proposed area located near Reserve Forest	:	Yes	
34.	If 33 above is YES	:	Special Conditions III	
35.	Special Conditions	:	As below	

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 13,688m<sup>3</sup> of Gravel for an ultimate depth of 2m BGL subject to the following specific conditions and it 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:

1. The PP shall ensure that the loaded trucks are covered with a tarpaulin to avoid the spillage & dust pollution while transportation.
2. The PP shall carry out the required number of plantations as committed in the EMP without deviation before obtaining the CTO from the TNPCB.

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

3. The PP shall not carry out drilling & blasting operations in the proposed quarry.
4. The PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
5. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
6. As accepted by the Project Proponent the CER cost of Rs. 50,000/- and the amount shall be spent for the activities as committed towards Government High School, Kovilur, Ariyalur Taluk & District, before obtaining CTO from TNPCB.

Agenda No: 559 - 06

(File No:11922/2025)

Proposed Ordinary Earth Quarry over an extent of 3.33.6 Ha at S.F. Nos. 377/2 (Part) in Maduravasal Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu by Mr. B. Sundarrajan - For Environmental Clearance. (SIA/TN/MIN/524246/2025 dated 05.03.2025)

The proposal was placed in this 559<sup>th</sup> meeting of SEAC held on 05.05.2025. 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, Mr. B. Sundarrajan, has applied for Environmental Clearance for the Proposed Ordinary Earth Quarry over an extent of 3.33.6 Ha at S.F. Nos. 377/2 (Part) in Maduravasal Village, Uthukottai Taluk, Tiruvallur 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. The Committee noted the 500m cluster letter dated 27.01.2025 that Mr. D. Gopinath quarry over an extent of 3.34.5 Ha is located within a radius of 500m which when added to the proposed quarry of 3.33.6 Ha extent, will come under B1 category (>5 Ha). However, Mr.D.Gopinath has obtained EC dated 18.02.2025 and subsequently obtained CTO from TNPCB on 03.04.2025 which

  
MEMBER SECRETARY  
SEAC - TN

16

  
CHAIRMAN  
SEAC- TN

is valid until 23.05.2025 only. Hence, the Committee decided to appraise the proposed quarry of Mr.B.Sundarrajan under B2 category.

4. The PP has submitted the soil test report obtained from University of Madras dated 19.12.2024. The soil is classified as "Ordinary Earth".

5. The salient features of the proposal are given below:

File No. 11922/2025		Category	B2
SIA/TN/MIN/524246/2025			1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm and Address	:	Mr. B. Sundarrajan S/o. Babu, No.17, 3rd Street, Nehru Nagar, Ambattur, Chennai-53.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary Earth Quarry
3.	S.F Nos. of the quarry site	:	377/2 (Part)
4.	Village in which situated	:	Maduravasal
5.	Taluk in which situated	:	Uthukottai
6.	District in which situated	:	Tiruvallur
7.	Extent of quarry (in ha.)	:	3.33.6 Ha
8.	Latitude & Longitude of all corners of the quarry site.	:	13°17'18.07"N to 13°17'25.87"N 80° 4'7.10"E to 80°4'16.32"E
9.	Topo Sheet No.	:	66- C/03
10.	Type of mining	:	Opencast- Semi Mechanized Mining without drilling and blasting
11.	Details of Environmental Setting.	:	<u>Habitations:</u> ✓ Panappakkam Village – 750m - W <u>Water bodies:</u>

MEMBER SECRETARY  
SEAC -TN

17

CHAIRMAN  
SEAC- TN

		✓ Arani River- 3.21 km- NW <u>Nearest Reserve Forest:</u> ✓ Palavakkam RF- 6.84 km- NW <u>Wildlife sanctuary:</u> ✓ Pulicat Bird Sanctuary- 21.66 km- N
12.	NBWL Clearance/ Conservation Measures	Not Applicable
13.	Details of Previous History	: It is a Fresh Quarry
14.	CCR If Applicable	: Not Applicable
15.	Life of Project	: 50 days
	Lease Period	: 50 days
	Mining Plan Period	: 50 days
16.	Mining Plan Details	: As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	: Ordinary Earth                      33,360 m <sup>3</sup>
	Mineable Resources m <sup>3</sup> (RoM)	: Ordinary Earth                      30,024 m <sup>3</sup>
	Production Capacity in m <sup>3</sup>	: Ordinary Earth                      30,024 m <sup>3</sup>
	Maximum Depth in meters	: 0.9m BGL
17.	Depth of water table	: 12m to 15m BGL
18.	Man Power requirement per day:	: 09 Nos
19.	Water requirement:	1.2 KLD
	1. Drinking & Utilized	: 0.2 KLD
	2. Dust Suppression	: 0.5 KLD
	3. Green belt	: 0.5 KLD
20.	Power requirement	: 5000 Litres of Diesel will be utilized
21.	Precise area communication approved by the District Collector	: Rc.No.29/2022/Mines-2, dated 31.12.2024

22	Mining Plan approved by the Assistant Director of Dept. of Geology & Mining	:	Rc.No.29/2022/G&M-2, dated 27.01.2025		
23	500m cluster letter issued by the Assistant Director of Dept. of Geology and Mining.	:	Rc.No.29/2022/G&M-2, dated 27.01.2025		
24	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 13.02.2025.		
25	Project Cost (excluding EMP cost)	:	Rs. 9,86,000/-		
26	EMP cost (in Rs. Lakhs).	:	Capital Cost - 1.13Lakh /- for 50 days		
27	CER cost (in Rs. Lakhs).	:	Rs. 2,00,000/-		
28	SEAC Recommendation.	:	Recommended		
29	Recommended Quantities	:	Validity	30 years subject to the following upper limits.	
			Production Capacity in m <sup>3</sup>	Ordinary Earth	30,024 m <sup>3</sup>
			Depth in Mtrs	0.9m BGL	
30	Standard Conditions	:	Annexure I		
31	Is the depth proposed more than 40m.	:	NO		
32	If 31 above is YES	:	Special Conditions II		
33	Is the proposed area located near Reserve Forest	:	NO		
34	If 33 above is YES	:	Special Conditions III		
35	Other Special Conditions	:	-		

**Committee Recommendation:**

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

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

production capacity of not exceeding 30,024 m<sup>3</sup> Ordinary Earth for an ultimate depth of 0.9m BGL subject to the following specific conditions and it 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:

1. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
2. The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
6. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
7. The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.
8. As accepted by the Project Proponent, the CER cost is Rs. 2 Lakhs and the amount shall be spent towards Panchayat Union Primary School, Maduravasal Village for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 559 - 07

(File No:11923/2025)

Proposed Ordinary Earth Quarry over an extent of 3.34.10 Ha at S.F. No: 406 (Part), Perambakkam Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by Mr. S. Vel

  
MEMBER SECRETARY  
SEAC -TN

20

  
CHAIRMAN  
SEAC- TN

Pandian - For Environmental Clearance. (SIA/TN/MIN/524157/2025 dated 05.03.2025)

The proposal was placed in this 559<sup>th</sup> meeting of SEAC held on 05.05.2025. 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, Mr. S. Vel Pandian, has applied for Environmental Clearance for the proposed Ordinary Earth Quarry over an extent of 3.34.10 Ha at S.F. No: 406 (Part), Perambakkam Village, Tiruvallur Taluk, Tiruvallur 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. The PP has proposed the Ordinary Earth mining as two pits – Pit I and Pit II.
4. The PP has submitted the soil test report obtained from University of Madras dated 19.12.2024. The soil is classified as "Ordinary Earth".
5. The salient features of the proposal are given below:

File No. 11923/2025		Category	B2
SIA/TN/MIN/524157/2025			1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm and Address	:	Mr. S. Vel Pandian, S/o. Sundaravathanam, No. 19/9, Avvai Nagar, 1 st Street, Kolathur, Chennai-99.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary Earth Quarry
3.	S.F Nos. of the quarry site	:	406 (part)
4.	Village in which situated	:	Perambakkam
5.	Taluk in which situated	:	Tiruvallur

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

6.	District in which situated	:	Tiruvallur
7.	Extent of quarry (in ha.)	:	3.34.10 Ha
8.	Latitude & Longitude of all corners of the quarry site.	:	13°2'55.41"N To 13°3'3.92"N 79°49'12.26"E To 79°49'30.94"E
9.	Topo Sheet No.	:	57/O-16
10.	Type of mining	:	Opencast- Semi Mechanized Mining without drilling and blasting
11.	Details of Environmental Setting.	:	<p><b>Habitations:</b></p> <p>✓ Panappakkam Village - 230m- SW</p> <p><b>Water bodies:</b></p> <p>✓ Coovam River – 690m - SE</p> <p><b>Reserve Forest:</b></p> <p>✓ Mannur RF- 11.38km- SE</p> <p><b>Wildlife sanctuary:</b></p> <p>✓ Karikili Bird Sanctuary- 49.32km- S</p>
12.	NBWL Clearance/ Conservation Measures	:	Not Applicable
13.	Details of Previous History	:	It is a Fresh Quarry
14.	CCR If Applicable	:	Not Applicable
15.	Life of Project	:	50 Days
	Lease Period	:	50 Days
	Mining Plan Period	:	50 Days
16.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	:	Ordinary Earth      33,410 m <sup>3</sup>
	Minable Resources m <sup>3</sup> (RoM)	:	Ordinary Earth      30,069 m <sup>3</sup>
	Production Capacity in m <sup>3</sup>	:	Ordinary Earth      30,069 m <sup>3</sup>
	Maximum Depth in meters	:	0.9m BGL
17.	Depth of water table	:	12m – 15m BGL

18.	Man Power requirement per day:	:	09 Nos		
19.	Water requirement: 1. Drinking & Utilized 2. Dust Suppression 3. Green belt	:	1.2 KLD 0.2 KLD 0.5 KLD 0.5 KLD		
20.	Power requirement	:	5011 Liters of Diesel will be utilized		
21.	Precise area communication approved by the District Collector	:	Roc.No.404/2021/mines-2, dated 31.12.2024.		
22.	Mining Plan approved by the Assistant Director of Dept. of Geology & Mining	:	Rc.No.404/2021/G&M-2, Dated 27.01.2025.		
23.	500m cluster letter issued by the Assistant Director of Dept. of Geology and Mining.	:	Rc.No.404/2021/G&M-2, Dated 27.01.2025.		
24.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated: 10.02.2025.		
25.	Project Cost (excluding EMP cost)	:	Rs. 9,87,000/-		
26.	EMP cost (in Rs. Lakhs).	:	Rs. 1.13 Lakhs/- for 50 days		
27.	CER cost (in Rs. Lakhs).	:	Rs. 2,00,000/-		
28.	SEAC Recommendation.	:	Recommended		
29.	Recommended Quantities	:	Validity	30 years subject to the following upper limits.	
			Production Capacity in m <sup>3</sup>	Ordinary Earth	30,069m <sup>3</sup>
			Depth in Mtrs	0.9m BGL	
30.	Standard Conditions	:	Annexure I		
31.	Is the depth proposed more	:	NO		

	than 40m.		
32.	If 31 above is YES	:	Special Conditions II
33.	Is the proposed area located near Reserve Forest	:	NO
34.	If 33 above is YES	:	Special Conditions III
35.	Other Special Conditions	:	-

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC-1 decided to recommend the proposal for the grant of Environmental Clearance for the production capacity of not exceeding 30,069 m<sup>3</sup> Ordinary Earth for an ultimate depth of 0.9m BGL subject to the following specific conditions and it 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:

1. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
2. The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
6. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.

  
MEMBER SECRETARY  
SEAC-TN

  
CHAIRMAN  
SEAC- TN

7. The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.
8. As accepted by the Project Proponent, the CER cost is Rs. 2 Lakhs and the amount shall be spent towards Panchayat Union Primary School, Perambakkam Village for the activities as committed before obtaining CTO from TNPCB.

Agenda No:561 -08

(File No:11939/2025)

Proposed Ordinary Earth quarry over an area of 1.26.81 Ha at S. F. No: 312/1 (Part), Pattaraiperumbudur Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by Mr. A. Arokiyadoss - For Environmental Clearance. (SIA/TN/MIN/529028/2025, Dated: 12.03.2025).

The proposal was placed in the 559<sup>th</sup> meeting of SEAC held on 05.05.2025. The Project Proponent made a detailed power point presentation about the proposed project. 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, by Mr. A. Arokiyadoss has applied for Environmental Clearance for the proposed ordinary earth quarry over an area of 1.26.81 Ha at S. F. No: 312/1 (Part), Pattaraiperumbudur Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. It is noted that the Project Proponent has obtained the soil test report from the Dept of Civil Engineering, College of Engineering Guindy Campus, Anna University, with reference number, dated 21.04.2023, indicating that the Gravel 06%, Sand 19%, Silt 61%, and Clay 14%.
4. The salient features of the proposed quarry as follows:

File No.	11939	Category	B2
----------	-------	----------	----

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

		529028	1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	A.Arokiyadoss, S/o. Aruldoss, No.21, V.O.C. Street, Varadharajapuram Village, Poonamallee Taluk, Tiruvallur District.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary Earth Quarry
3.	S.F Nos. of the quarry site	:	312/1 (Part)
4.	Village in which situated	:	Pattaraiperumbudur
5.	Taluk in which situated	:	Tiruvallur
6.	District in which situated	:	Tiruvallur
7.	Extent of quarry (in ha.)	:	1.26.81 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	Latitude : 13°8'39.80"N to 13°8'42.67"N Longitude : 79°49'25.53"E to 79°49'30.70"E
9.	Topo Sheet No.	:	57- O/16
10.	Type of mining	:	Opencast- Semi Mechanized Mining
11.	Details of Environmental Setting.	:	<p><b>Nearest Habitation:</b> Pattaraiperumbudur Village – 720m -N</p> <p><b>Nearest Water bodies:</b> i. Kusasthalai River- 765m-W ii. Kaivandoor Tank- 967m- E</p> <p><b>Nearest Reserved Forests:</b> Athipattu RF- 5.77km- NW</p> <p><b>Nearest Wildlife Sanctuaries:</b> Pulicat Bird Sanctuary- 48.32km- NE</p> <p><b>Nearest highway :</b> (NH- 716)- Chennai- Nellore Road- 658m- N, (SH- 114)- Tiruvallur Road- 8.89km- E</p>

12.	NBWL Clearance/ Conservation Measures	:	Not Applicable
13.	Details of Previous History	:	It is Fresh Lease
14.	CCR If Applicable	:	NA
15.	Details of EC/ToR Granted in the Cluster.	:	-
16.	Life of Project	:	40 Days
	Lease Period	:	40 Days
	Mining Plan Period	:	40 Days
17.	Mining Plan Details	:	As per approved Mining Plan Ordinary Earth
	Geological Resources m <sup>3</sup>	:	12,681m <sup>3</sup>
	Minable Resources m <sup>3</sup>	:	11,413m <sup>3</sup>
	Production Capacity in m <sup>3</sup>	:	11,413 m <sup>3</sup> .
	Depth	:	0.9m BGL
18.	Depth of water table	:	-
19.	Man Power requirement per day:	:	9 Nos
20.	Water requirement	:	1.2KLD
	a) Domestic	:	0.2 KLD (Drinking & Utilized)
	b) Dust Suppression	:	0.5 KLD
	c) Green Belt	:	0.5 KLD
21.	Power requirement	:	1,900 Litres
22.	Precise area communication approved by the District Collector,	:	Roc.No.357/2020/ Mines.2, Dated: 18.02.2025
23.	Mining Plan approved by Assistant Director, Department of G&M.	:	Rc.No.357/2020/G&M-2, Dated:04.03.2025.

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

24.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	:	Rc.No. 357/2020/G&M-2, Dated: 04.03.2025	
25.	VAO Certificate Regarding Structures within 300m Radius	:	10.03.2025	
26.	Project Cost	:	Rs. 4,46,000/-	
27.	EMP cost (in Rs. Lakhs).	:	Rs. 94,000/-	
28.	CER cost (in Rs. Lakhs).	:	Rs. 2,00,000/-	
29.	SEAC Recommendation.	:	Recommended	
30.	Recommended Quantities	:	Validity	30 Years subject to the following upper limits.
		:	Production Capacity in m <sup>3</sup>	11,413 m <sup>3</sup> .
		:	Depth	0.9m BGL
31.	Standard Conditions	:	Annexure I	
32.	Is the depth recommended more than 40m.	:	No	
33.	If 32 above is YES	:	Special Conditions II	
34.	Is the proposed area located near Reserve Forest	:	No	
35.	If 34 above is YES	:	Special Conditions III	
36.	Special Conditions	:	As below	

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production quantity of not exceeding 11,413m<sup>3</sup> of ordinary earth for an ultimate depth of 0.9m BGL subject to the following specific conditions and it shall be valid for the project life including production value as laid down in the mining plan approved and

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

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:

1. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
2. The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
6. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
7. The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.
8. As accepted by the Project Proponent the CER cost of Rs. 2,00,000/- and the amount shall be spent for the activities as committed towards Panchayat Union Primary School- Pattraiperumpudur- Village, before obtaining CTO from TNPCB.

Agenda No: 559 - 09

(File No:11946/2025)

Proposed Ordinary Earth Quarry lease over an extent of 3.15.0Ha at S.F.No. 18/1 (Part), Ayanallur Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by: M. Dhananjeyan, - For Environmental Clearance. (SIA/TN/MIN/528690/2025, Dated: 12/03/2025)

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

The proposal is placed in 559<sup>th</sup> SEAC meeting held on 05.05.2025. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M. Dhananjeyan, has applied for Environmental Clearance for the Proposed Ordinary Earth Quarry lease over an extent of 3.15.0Ha at S.F.No. 18/1 (Part), Ayanallur Village, Gummidipoondi Taluk, Tiruvallur 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. Based on the presentation and details furnished by the project proponent, SEAC also noted that the Pulicat Bird Sanctuary located at 6.6km (Approximately) from the proposed quarry site.

Hence the committee decided defer the proposal and to call for additional particulars as follows,

i. The PP shall Furnish the NBWL Clearance from the Competent Authority On receipt of the same, further deliberations shall be done. Hence, the proponent is advised to submit the details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.

Agenda No: 559 - 10

(File No:11951/2025)

Proposed Rough stone and Gravel quarry over an Extent 2.00.0 Ha at S.F.No: 418/1(Part) Vedarampatti Village, Karimangalam Taluk, Dharmapuri District, Tamil Nadu by Thiru. V. Mullaiventhan- For Environmental Clearance.

(SIA/TN/MIN/529149/2025, Dated: 13.03.2025).

The proposal was placed in the 559<sup>th</sup> Meeting of SEAC held on 05.05.2025. 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. V. Mullaiventhan, has applied for Environmental Clearance for the Proposed Rough stone and Gravel quarry over an Extent 2.00.0 Ha at S.F.No: 418/1(Part) Vedarampatti Village, Karimangalam Taluk,

  
MEMBER SECRETARY  
SEAC -TN

30

  
CHAIRMAN  
SEAC- TN

Dharmapuri District, Tamil Nadu.

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

3. The salient features of the project are as follows:

File No	11951 SIA/TN/MIN/529149/2025	Category	B2 1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm and Address	:	Thiru.V.Mullaiventhan, S/o. Vajjiravel, No.10/87, Thiru.Vi.Ka.Nagar, Harur Taluk, Dharmapuri District - 636903
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone & Gravel Quarry
3.	S.F Nos. of the quarry site	:	418/1(Part)
4.	Village in which situated	:	Vedarampatti
5.	Taluk in which situated	:	Karimangalam
6.	District in which situated	:	Dharmapuri
7.	Extent of quarry (in ha.)	:	2.00.0Ha
8.	Latitude & Longitude of all corners of the quarry site.	:	12°10'28.54"N to 12°10'33.68"N 78°20'36.34"E to 78°20'42.32"E
9.	Topo Sheet No.	:	57-L /08
10	Type of mining	:	Opencast - Mechanized Mining
11	Details of Environmental Setting.	:	Nearest Village: Navalai Village- 1.33km- NE Nearest School: Panchayat Union Middle School- Sekkandahalli- 1.8km- NW Nearest Water Bodies: Sekkandahalli Tank- 1.5km- W

MEMBER SECRETARY  
SEAC -TN

31

CHAIRMAN  
SEAC- TN

		Reserve Forests/ Protected forests: Maniyambadi R.F- 5.69km- SW Nearest Sanctuary: Cauvery South Wildlife Sanctuary- 46.30km- NW Nearest highway: SH-60A(Harur to Dharmapuri)-road-5.02km- S	
12	NBWL Clearance/ Conservation Measures	Not Applicable	
13	Details of Previous History	: Not Applicable	
14	CCR If Applicable	: Not Applicable	
15	Life of Project	: 10 Years	
	Lease Period	: 10 Years	
	Mining Plan Period	: 10 Years	
16	Mining Plan Details	: As per approved Mining Plan	
	Geological Resources m <sup>3</sup> (RoM)	Rough stone	9,40,094m <sup>3</sup>
		Gravel	20,002m <sup>3</sup>
	Mina ble Resources m <sup>3</sup> (RoM)	Rough stone	3,17,436m <sup>3</sup>
		Gravel	15,738m <sup>3</sup>
	Annual Peak Production in m <sup>3</sup>	Rough stone	38,556m <sup>3</sup>
Gravel		6,100m <sup>3</sup>	
Depth	50m (BGL)		
17	Depth of water table	: 65m - 70m	
18	Man Power requirement per day:	: 20 Nos	
19	Water requirement:	3.0 KLD	
	1. Drinking & Domestic	: 1.0 KLD	

	2. Dust Suppression 3. Green belt		1.0 KLD 1.0 KLD	
20	Power requirement	:	2,56,572 Litres	
21	Precise area communication approved by the Assistant Director, Dept. of G&M	:	Roc.No.357/2024/Mines, Dated: 06.02.2025	
22	Mining Plan approved by Assistant Director, Dept. of Geology & Mining.	:	Roc. No. 357/2024/Mines, Dated: 04.03.2025	
23	500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining.	:	Roc. No. 357/2024/Mines, Dated: 05.03.2025	
24	VAO Certificate Regarding Structures within 300m Radius	:	07.03.2025	
25	Project Cost	:	Rs. 32,30,000/-	
26	EMP cost (in Rs. Lakhs).	:	Rs. 271.05 Lakhs	
27	CER cost (in Rs. Lakhs).	:	Rs. 5.0 Lakhs	
28	SEAC Recommendation.	:	Recommended	
29	Recommended Quantities	:	Validity	30 years subject to the following upper limits.
		:	Annual Max	Roughstone-38,556m <sup>3</sup>
		:	RoM in m <sup>3</sup>	Gravel- 6,100m <sup>3</sup>
30	Standard Conditions	:	Annexure I	
31	Is the depth recommended more than 40m	:	No	
32	If 31 above is Yes	:	Special Conditions II	
33	Is the proposed area located near Reserve Forest	:	No	
34	If 33 above is YES	:	Special Conditions III	

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

33	Special Conditions	:	As below
----	--------------------	---	----------

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding Rough stone - 38,556m<sup>3</sup> & Gravel - 6,100m<sup>3</sup> and it 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, 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 PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
2. Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.
3. The PP shall register promptly through online in the Shram Suvidha Portal which is the official portal of Ministry of Labour & Employment, Govt of India to obtain Labour Identification Number (LIN) before obtaining the CTO from the TNPCB.
4. The project proponent shall maintain 7.5m greenbelt in safety zone and such plantation should not be disturbed.
5. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
6. The PP shall abide by all the conditions as stipulated in accordance with the provisions of MMR 1961 and DGMS Circular No.7 of 1997 while carrying out the controlled blasting operations through a statutorily competent persons appointed by him.

  
MEMBER SECRETARY  
SEAC -TN

34

  
CHAIRMAN  
SEAC- TN

7. The PP shall not carry out the deep hole larger diameter blasting and the secondary blasting of oversize fragments /boulders during the life of the lease period.
8. However, the PP shall jointly with the other quarries situated in the cluster carry out the Scientific Studies on the cumulative impacts due to the blasting operation in the cluster to design the controlled blasting techniques and the preparation of SoP for safe & eco-friendly blasting operation, within a period of six months from the commencement of mining operation, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Dept of Mining Engg -Anna University Chennai. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
9. For the safety of the persons employed in the quarry, the PP shall implement the slope monitoring mechanism to monitor the movement of the slopes in the highwall and the working benches of existing quarry within a period of one year from the date of lease execution, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Dept of Mining Engg -Anna University Chennai, for evolving the stability mitigation measures along with . A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
10. The proponent shall make necessary arrangements to suppress the dust pollution caused during the quarrying & truck transportation by continuous mode of water spraying.
11. The PP shall fulfil the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules,

1986, Explosives Act 1884, Explosive rules 1983 and other laws, orders pertaining to the geometry of quarry and its operation without any deviation.

12. As accepted by the Project Proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent towards the Govt Higher Secondary School, Navalai Village for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 559 - 11

(File No:11937/2025)

Proposed Rough Stone & Gravel Quarry of over an extent of 1.21.0 Ha at S.F.Nos. 107/10 & 108/4 in Solur Village, Ambur Taluk, Tirupathur District, Tamil Nadu by Thiru. K.Ganapathi - For Environmental Clearance. (SIA/TN/MIN/526062/2025 dated 03.03.2025)

The proposal was placed in this 559<sup>th</sup> meeting of SEAC held on 05.05.2025. 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.Ganapathi, has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry over an extent of 1.21.0 Ha at S.F. Nos. 107/10 & 108/4 in Solur Village, Ambur Taluk, Tirupathur 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.

During the meeting, PP requested additional time to submit the modified mining plan. Hence, the Committee decided to defer the proposal to a later date.

Agenda No: 559 – TA-01

(File No:11933/2025)

Proposed Ordinary Earth quarry of over an extent of 2.22.0 Ha at S.F. Nos. 457/2 (Part) in Kizhanoor Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by M/S. Larsen & Toubro Limited - For Environmental Clearance (SIA/TN/MIN/528732/2025 dated 11.03.2025)

The proposal was placed in this 559<sup>th</sup> meeting of SEAC held on 05.05.2025. 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, M/S. Larsen & Toubro Limited, has applied for Environmental Clearance for the Proposed Ordinary Earth quarry of over an extent of 2.22.0 Ha at S.F. Nos. 457/2 (Part) in Kizhanoor Village, Tiruvallur Taluk, Tiruvallur 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. The PP stated that the purpose of the project is for formation of new six lane road from Tiruvallur Bypass to Vengathur as per TNRIDC directions.
4. The PP has submitted the soil test report obtained from University of Madras dated 06.01.2025. The soil is classified as "Ordinary Earth".
5. The proposal was earlier placed in the 558<sup>th</sup> meeting of SEAC held on 30.04.2025. During the meeting, the PP requested additional time to submit the necessary documents. Hence, the Committee decided to defer the proposal to a later date.
6. Now, the PP submitted the necessary documents and hence the proposal was placed in this 559<sup>th</sup> meeting of SEAC held on 05.05.2025.
7. The PP has submitted the modified mining plan approved by Assistant Director of Department of Geology and Mining vide Rc.No.579/2024/G&M-2 Dated 02.05.2025 for the revised production quantity of 19,980 m<sup>3</sup> over an extent of 2.22.0 Ha instead of earlier accorded quantity of 30,105 m<sup>3</sup> over an extent of 3.34.5 Ha.
8. The salient features of the proposal are given below:

File No. 11933/2025		Category	B2
SIA/TN/MIN/528732/2025			1(a)
Sl. No	Salient Features of the Proposal		

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

1.	Name of the Owner/Firm and Address	: M/s. Larsen & Toubro Limited, South Segment TI IC, TC-3, Tower-A, 6th Floor, 'B'Wing, Post Box No. 979, Mount Poonamallee Road, Manapakkam, Chennai- 600 089.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Ordinary Earth quarry
3.	S.F Nos. of the quarry site	: 457/2 (Part)
4.	Village in which situated	: Kizhanoor
5.	Taluk in which situated	: Tiruvallur
6.	District in which situated	: Tiruvallur
7.	Extent of quarry (in ha.)	: 2.22.0 Ha
8.	Latitude & Longitude of all corners of the quarry site.	: 13°11'9.07"N to 13°11'15.29"N 79°57'14.46"E to 79°57'22.71"E
9.	Topo Sheet No.	: 57/O-16
10.	Type of mining	: Opencast- Semi Mechanized Mining without drilling and blasting
11.	Details of Environmental Setting.	: <b>Habitations:</b> ✓ Chittathur Village – 800m - SW <b>Water bodies:</b> ✓ Perathur Tank- 0.97 km - E <b>Reserve Forest:</b> ✓ Vembedu RF- 6.1 Km - NW <b>Wildlife sanctuary:</b> ✓ Pulicat Bird Sanctuary- 36.67 km- NE
12.	NBWL Clearance/ Conservation Measures	: Not Applicable
13.	Details of Previous History	: The Applied Lease Area Is Fresh

14.	CCR If Applicable	:	Not Applicable
15.	Life of Project	:	3 Months
	Lease Period	:	3 Months
	Mining Plan Period	:	3 Months
16.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	:	Ordinary Earth 33,450 m <sup>3</sup>
	Minable Resources m <sup>3</sup> (RoM)	:	Ordinary Earth 19,980 m <sup>3</sup>
	Production Capacity in m <sup>3</sup>	:	Ordinary Earth 19,980 m <sup>3</sup>
	Maximum Depth in meters	:	0.9 m BGL
17.	Depth of water table	:	12-15m BGL
18.	Man Power requirement per day:	:	9 Nos
19.	Water requirement:	:	1.2 KLD
	1. Drinking & Utilized	:	0.2 KLD
	2. Dust Suppression	:	0.5 KLD
	3. Green Belt	:	0.5 KLD
20.	Power requirement	:	5020 Litres of Diesel will be utilized
21.	Precise area communication approved by the District Collector.	:	Rc.No.579/2024/Mines-2/dated 27.02.2025.
22.	Mining Plan approved by the Assistant Director of Dept. of Geology & Mining	:	Rc.No.579/2024/G&M-2/dated 06.03.2025.
23.	500m cluster letter issued by the Assistant Director of Dept. of Geology and Mining.	:	Rc.No.579/2024/G&M-2/dated 06.03.2025.
24.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated: 27.02.2025.

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

25.	Project Cost (excluding EMP cost)	:	Rs. 9,88,000/-
26.	EMP cost (in Rs. Lakhs).	:	Rs. 1.15 Lakhs/- for 3 months
27.	CER cost (in Rs. Lakhs).	:	Rs. 2,00,000/-
28.	SEAC Recommendation.	:	Recommended
29.	Recommended Quantities	Validity	30 years subject to the following upper limits.
		Production Capacity in m <sup>3</sup>	Ordinary Earth 19,980m <sup>3</sup>
		Depth in Mtrs	0.9 m BGL
30.	Standard Conditions	:	Annexure I
31.	Is the depth proposed more than 40m.	:	NO
32.	If 31 above is YES	:	Special Conditions II
33.	Is the proposed area located near Reserve Forest	:	NO
34.	If 33 above is YES	:	Special Conditions III
35.	Other Special Conditions	:	-

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC-1 decided to recommend the proposal for the grant of Environmental Clearance for the production capacity of not exceeding 19,980 m<sup>3</sup> Ordinary Earth for an ultimate depth of 0.9m BGL subject to the following specific conditions and it 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:

1. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.

2. The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
6. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
7. The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.
8. As accepted by the Project Proponent, the CER cost is Rs. 2 Lakhs and the amount shall be spent towards Panchayat Union Primary School, Chittathur Village for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 559 – TA-02

(File No:11934/2025)

Proposed Ordinary Earth Quarry lease over an extent of 2.23.2 Ha at S.F.No. 367 (Part), of Ramathandalam Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by: M/S. Larsen & Toubro Limited - For Environmental Clearance. (SIA/TN/MIN/528771/2025, Dated: 11/03/2025)

The proposal is placed in 559<sup>th</sup> SEAC meeting held on 05.05.2025. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/S. Larsen & Toubro Limited has applied for Environmental Clearance for the Proposed Ordinary Earth Quarry lease over an extent of 2.23.2 Ha at S.F.No. 367 (Part), of Ramathandalam Village, Tiruvallur

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

Taluk, Tiruvallur 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. Earlier, the proposal was placed in 558<sup>th</sup> SEAC meeting held on 30.04.2025. During the meeting the PP Request for additional time to submit necessary document. Hence the committee decided to defer the proposal.
4. Now the proposal was placed in 559<sup>th</sup> SEAC meeting held on 05.05.2025, PP has submitted the Revised mining plan vide Rc.No.581/2024/G&M-2, Dated: 02.05.2025.
5. The salient features of the proposal are given below.

File No: 11934/2025		Category	B2
SIA/TN/MIN/528771/2025			1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm and Address	:	M/s. Larsen & Toubro Limited, South Segment TI IC, TC 3, Tower A, 6th Floor, 'B' Wing, Post Box No.979, Mount Poonamallee Road, Manapakkam, Chennai – 600 089.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary Earth Quarry
3.	S.F Nos. of the quarry site	:	S. F. No: 367 (Part),
4.	Village in which situated	:	Ramathandalam Village,
5.	Taluk in which situated	:	Tiruvallur Taluk,
6.	District in which situated	:	Tiruvallur District.
7.	Extent of quarry (in ha.)	:	2.23.2Ha
8.	Latitude & Longitude of all corners of the quarry site.	:	13°11'19.78"N To 13°11'26.07"N 79°54'47.57"E To 79°54'52.36"E
9.	Topo Sheet No.	:	57/O-16

10	Type of mining	:	Opencast- Semi Mechanized Mining
11	Details of Environmental Setting.	:	<p><u>Habitation</u></p> <ul style="list-style-type: none"> <li>Ramathandalam Village- 0.10km- South</li> </ul> <p><u>Water Bodies</u></p> <ul style="list-style-type: none"> <li>It is a Ramathandalam Tank &amp; Kusasthalai River-2.65km-N</li> </ul> <p><u>Nearest Reserve Forest:</u></p> <ul style="list-style-type: none"> <li>Pullarambakkam R.F- 2.61Km- NW</li> </ul> <p><u>National parks / Wild Life Sanctuary:</u> Pulicat Bird Sanctuary- 38.59km- NE</p>
12	NBWL Clearance/ Conservation Measures	:	Not Applicable
13	Details of Previous History	:	It is a Fresh Quarry
14	CCR If Applicable	:	Not Applicable
15	Life of Project	:	3 months
	Lease Period	:	3 months
	Mining Plan Period	:	3 months
16	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	:	Ordinary Earth - 22,320 m <sup>3</sup>
	Minable Resources m <sup>3</sup> (RoM)	:	Ordinary Earth – 19,976 m <sup>3</sup>
	Production Capacity in m <sup>3</sup>	:	Ordinary Earth - 19,976 m <sup>3</sup>
	Maximum Depth in meters	:	0.9m (BGL)
17	Depth of water table	:	12m to 15m BGL
18	Man Power requirement per day:	:	8 No's
19	Water requirement:	:	1.2 kLD
	1. Drinking & Domestic	:	0.2kLD
	2. Dust Suppression	:	0.5 kLD
	3. Green belt	:	0.5 kLD

20	Power requirement	:	3350 Litres will be utilized for Ordinary Earth
21	Precise area communication approved by the District Collector.	:	Roc.No.145/2024/ Mines.2, Dated: 12.02.2025
22	Mining Plan approved by Assistant Director (Addl charge) of Department of G&M.	:	Rc.No.581/2024/G&M-2, Dated: 02.05.2025.
23	500m Cluster Letter approved by the Assistant Director (Addl charge) Director of Department of G&M	:	Roc.No.145/2024/G&M-22, Dated: 07.03.2025
24	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 08.03.2025
25	Project Cost (excluding EMP cost)	:	Rs. 6,98,000/-
26	EMP cost (in Rs. Lakhs).	:	Rs. 1.0 Lakhs
27	CER cost (in Rs. Lakhs).	:	Rs.2.0 Lakhs
28	SEAC Recommendation.	:	Recommended
29	Recommended Quantities	:	Validity 3 months
		:	Production Ordinary Earth - Capacity in m <sup>3</sup> 19,976 m <sup>3</sup>
		:	Depth in m 0.9m BGL
30	Standard Conditions	:	Annexure I
31	Is the depth recommended more than 40m.	:	No
32	If 31 above is YES	:	Special Conditions II
33	Is the proposed area located near Reserve Forest	:	No
34	If 33 above is YES	:	Special Conditions III
35	Other Special Conditions	:	-

**Committee recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production capacity of not exceeding 19,976 m<sup>3</sup> of Ordinary Earth for an ultimate depth of 0.9m BGL subject to the following specific conditions and it 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. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.

1. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
2. The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
6. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
7. The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

8. As accepted by the Project Proponent the CER cost is Rs. 2,00,000/- and the amount shall be spent Panchayat Union Primary School, Ramathandalam Village for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 559 – TA - 03

(File No:11935/2025)

Proposed Ordinary Earth quarry over an area of 2.22.0 Ha at S. F. No: 192 (Part), Thandalam Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by M/S. Larsen & Toubro Limited - For Environmental Clearance. (SIA/TN/MIN/528784/2025, Dated: 11.03.2025).

The proposal was placed in the 559<sup>th</sup> meeting of SEAC held on 05.05.2025. The Project Proponent made a detailed power point presentation about the proposed project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/S. Larsen & Toubro Limited has applied for Environmental Clearance for the proposed ordinary earth quarry over an area of 2.22.0 Ha at S. F. No: 192 (Part), Thandalam Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed in the 558<sup>th</sup> meeting of SEAC held on 30.04.2025. During the meeting, the PP requested additional time for the presentation. Accordingly, the SEAC decided to defer consideration of the proposal.
4. Now, the proposal was placed in the 559<sup>th</sup> meeting of SEAC held on 05.05.2025. During the appraisal, it was noted that the PP has obtained a revised production and conceptual plan, vide RC.No.592/2024/G&M-2, dated 02.05.2025. The letter stated the following:”In view of the above, the approval accorded earlier for the quantum of 20,160 cbm of ordinary earth over an extent of 2.24.00

  
MEMBER SECRETARY  
SEAC -TN

46

  
CHAIRMAN  
SEAC- TN

hectares is hereby revised to 19,980 cbm of ordinary earth over an extent of 2.22.00 hectares.”

5. The proposed quarry is situated at the Government WRD Tank (Thandalam Eri), with the precise area specified by the District Collector of Thiruvallur in Rc.No.592/2024/Mines.2, Dated:27.02.2025. The letter states “The purpose is the formation of New six lane road from Pannapakkam to Thiruvallur Bypass with paved shoulders and 2 lane service road on the both sides in section – 2 package – 2 of CPRR under EPC mode TNRIDC work.”
6. It is also noted that the Project Proponent has obtained a soil test report from the Department of Geology, Guindy Campus, University of Madras, Chennai dated 06.01.2025. The report indicates the following composition: Gravel – 22%, Sand – 12%, Silt – 27%, and Clay – 39%.
7. The salient features of the proposed quarry as follows:

File No.	11935		Category	B2	
	528784			1(a)	
Sl. No	Salient Features of the Proposal				
1.	Name of the Owner/Firm	:	M/s. Larsen & Toubro Limited South Segment TI IC, TC 3, Tower A, 6th Floor, 'B'Wing, Post Box No.979, Mount Poonamallee Road, Manapakkam, Chennai – 600 089.		
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary Earth Quarry		
3.	S.F Nos. of the quarry site	:	192 (Part)		
4.	Village in which situated	:	Thandalam		
5.	Taluk in which situated	:	Tiruvallur		
6.	District in which situated	:	Tiruvallur		
7.	Extent of quarry (in ha.)	:	2.22.0 Ha		

8.	Latitude & Longitude of all corners of the quarry site	:	Latitude : 13°9'12.05"N to 13°9'19.81"N Longitude:79°56'40.68"E to 79°56'45.30"E
9.	Topo Sheet No.	:	57/O-16
10.	Type of mining	:	Opencast- Semi Mechanized Mining
11.	Details of Environmental Setting.	:	<p><b>Nearest Village:</b> Dr.NDS Nagar (Thandalam)Village – 0.7 Km-South</p> <p><b>Nearest water bodies:</b> i.Kalayanakuppam Periya Eri- 889.83m- NW ii.Poondi Reservoir -6.06km-NW iii.Veeraraghavapuram Lake- 776.m- NE, iv.Kalayanakuppam Periya Eri- 889m- NW,</p> <p><b>Nearest Reserved Forests:</b> Pullarambakkam R.F- 7.61km- NW</p> <p><b>National Parks/ Wildlife Sanctuaries:</b> Pulicat Bird Sanctuary- 40.33km- NE</p> <p><b>Nearest highway :</b> (NH- 716)- Chennai-Tirupathi Road- 5.7km- S, (SH- 114)- Tiruvallur Road- 0.65km- N</p>
12.	NBWL Clearance/ Conservation Measures	:	Not Applicable
13.	Details of Previous History	:	It is Fresh Lease
14.	CCR If Applicable	:	NA
15.	Details of EC/ToR Granted in the Cluster.	:	-
16.	Life of Project	:	3 Months
	Lease Period	:	3 Months
	Mining Plan Period	:	3 Months

17.	Mining Plan Details	:	As per approved Mining Plan
			Ordinary Earth
	Geological Resources m <sup>3</sup>	:	22,400 m <sup>3</sup>
	Minable Resources m <sup>3</sup>	:	19,980 m <sup>3</sup>
	Production Capacity in m <sup>3</sup>	:	19,980 m <sup>3</sup>
	Maximum Depth in meters	:	0.9m BGL
18.	Depth of water table	:	12m – 15m
19.	Man Power requirement per day:	:	09 Nos
20.	Water requirement	:	1.2KLD
	a) Domestic	:	0.2 KLD (Drinking & Utilized)
	b) Dust Suppression	:	0.5 KLD
	c) Green Belt	:	0.5 KLD
21.	Power requirement	:	3360 Litres
22.	Precise area communication approved by the District Collector,	:	Rc.No.592/2024/Mines.2,Dated:27.02.2025
23.	Mining Plan approved by Assistant Director, Department of G&M.	:	Rc.No.592/2024/G&M-2,Dated:06.03.2025
24.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	:	Rc.No.592/2024/G& M-2,Dated:06.03.2025
25.	VAO Certificate Regarding Structures within 300m Radius	:	08.03.2025
26.	Project Cost	:	Rs. 7,69,000/-
27.	EMP cost (in Rs. Lakhs).	:	Rs. 1,04,000/-
28.	CER cost (in Rs. Lakhs).	:	Rs. 2,00,000/-
29.	SEAC Recommendation.	:	Recommended

30.	Recommended Quantities	:	Validity	30 years subject to the following upper limits.
				Ordinary Earth
		:	Production Capacity in m <sup>3</sup>	19,980 m <sup>3</sup> .
		:	Depth in Mtrs	0.90m BGL
31.	Standard Conditions	:	Annexure I	
32.	Is the depth proposed more than 40m.	:	No	
33.	If 32 above is YES	:	Special Conditions II	
34.	Is the proposed area located near Reserve Forest	:	No	
35.	If 34 above is YES	:	Special Conditions II	
36.	Special Conditions	:	As below	


**Committee recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production quantity of not exceeding 19,980 m<sup>3</sup> of ordinary earth for an ultimate depth of 0.9m BGL subject to the following specific conditions and it 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:

1. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
2. The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.

  
MEMBER SECRETARY  
SEAC -TN

50

  
CHAIRMAN  
SEAC- TN

4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
6. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
7. The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.
8. As accepted by the Project Proponent the CER cost of Rs. 2,00,000/- and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Thandalam Village, before obtaining CTO from TNPCB.

Agenda No: 559 - TA - 04

(File No: 11936/2025)

Proposed Ordinary Earth Quarry lease over an extent of 3.33.9 Ha at S.F.No. 462/1 (Part) of Thirupachur Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by M/s. Larsen & Toubro Limited - for Environmental Clearance. (SIA/TN/MIN/528797/2025, Dated: 11/03/2025)

The proposal was placed in the 559<sup>th</sup> meeting of SEAC held on 05.05.2025. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent made a detailed presentation.

The SEAC noted the following:

1. The project proponent, M/s. Larsen & Toubro Limited has applied seeking Environmental Clearance for Proposed Ordinary Earth Quarry lease over an extent of 3.33.9 Ha at S.F.No. 462/1 (Part) of Thirupachur Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

3. Earlier, the proposal was placed in the 558<sup>th</sup> meeting of SEAC held on 30.04.2025. During the meeting the PP Request for additional time to submit necessary document. Hence the committee decided to defer the proposal.
4. Now, the proposal placed in 559<sup>th</sup> SEAC meeting held on 05.05.2025 PP submit the Revised mining plan vide Rc.No.581/2024/G&M-2, Dated: 02.05.2025.
5. As per the precise area communication, the lease period is 3 Months and Revised mining plan period is for 3 Months & production should not exceed 19,890m<sup>3</sup> of Ordinary earth. As per the approved mining plan, the annual peak production shall not 19,890m<sup>3</sup> of Ordinary earth for an ultimate depth of 0.9m BGL.
6. The PP has furnished the details of soil (mineral) test report from Department of Geology, Tamil Nadu, University of Madras, wherein it is reported that the sample soil contains 0.7% of Gravel, 12% of Sand, and 44% of Silt & 37% of Clay.
7. The salient features of the proposal as furnished by the project proponent are as follows:

File No: 11936/2025		Category	B2
SIA/TN/MIN/528797/2025			1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm and Address	:	M/s. Larsen & Toubro Limited South Segment TI IC, TC-3, Tower-A, 6th Floor, 'B'Wing, Post Box No. 979, Mount Poonamallee Road, Manapakkam, Chennai- 600 089.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary earth
3.	S.F Nos. of the quarry site	:	S.F.No. 462/1 (Part)
4.	Village in which situated	:	Thirupachur Village
5.	Taluk in which situated	:	Tiruvallur Taluk

6.	District in which situated	:	Tiruvallur District		
7.	Extent of quarry (in ha.)	:	3.33.9 Hec		
8.	Latitude & Longitude of all corners of the quarry site.	}	PILLAR ID	LATITUDE	LONGITUDE
			1	13°7'25.07"N	79°52'55.75"E
			2	13°7'25.09"N	79°53'1.03"E
			3	13°7'18.26"N	79°53'1.06"E
			4	13°7'18.23"N	79°52'55.78"E
9.	Topo Sheet No.	:	57/O-16		
10	Type of mining	:	Opencast Semi Mechanized Mining		
11	Details of Environmental Setting.	:	Pullarabakkam- R.F- 7.86km- N Pulicat Bird Sanctuary- 48.12km- NE		
12	NBWL Clearance/ Conservation Measures	:	Not applicable		
13	Details of Previous History	:	It is Fresh lease		
14	CCR If Applicable	:	Not Applicable		
15	Life of Project	:	3 Months		
	Lease Period	:	3 Months		
	Mining Plan Period	:	3 Months		
16	Mining Plan Details	:	Revised Mining Plan	Rc.No.581/2024/G&M-2, Dated: 02.05.2025.	
	Geological Resources m <sup>3</sup> (RoM)	:	Ordinary Earth	33,390	
	Mineable Resources m <sup>3</sup> (RoM)	:	Ordinary Earth	19,890	
	Production Capacity in m <sup>3</sup>	:	Ordinary Earth	19,890	
	Maximum Depth in meters	:	0.9m BGL		
17	Depth of water table	:	12m – 15m		
18	Man Power requirement per	:	09 Nos		

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

	day:			
19	Water requirement: 1. Drinking & Domestic 2. Dust Suppression 3. Green belt	:	1.2 KLD 0.2 KLD 0.5 KLD 0.5 KLD	
20	Power requirement	:	5,000 Liters	
21	Precise area communication approved by Assistant Director of Dept. of Geology & Mining.	:	Roc.No. 581/2024/Mines- 2 Dated: 27.02.2025	
22	Mining Plan approved by the Assistant Director of Dept. of Geology & Mining	:	Rc.No.581/2024/G&M-2, Dated: 02.05.2025.	
23	500m cluster letter issued by the Assistant Director of Dept. of Geology & Mining.	:	Roc.No. 581/2024/G&M-2 Dated: 07.03.2025	
24	VAO Certificate Regarding Structures within 300m Radius	:	Letter Obtained	
25	Project Cost (excluding EMP cost)	:	Rs. 9,86,479/-	
26	EMP cost (in Rs. Lakhs).	:	Rs. 1.15 Lakhs/-	
27	CER cost (in Rs. Lakhs).	:	Rs. 2,00,000/-	
28	SEAC Recommendation.	:	Recommended	
29	Recommended Quantities	:	Validity	30 years subject to the following upper limits.
			Production Capacity in m <sup>3</sup>	Ordinary Earth – 19,890
			Depth in Mtrs	0.90m BGL
30	Standard Conditions	:	Annexure I	
31	Is the depth Proposed more than 40m.	:	YES      ✓ NO	

32	If 31 above is YES	:	Special Conditions II	
33	Is the proposed area located near Reserve Forest	:	YES	✓ NO
34	If 33 above is YES	:	Special Conditions III	
35	Other Special Conditions	:	-	

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production capacity of not exceeding 19,890m<sup>3</sup> of Ordinary Earth up to an ultimate depth of 0.90m BGL subject to the following specific conditions and it 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:

- 1) The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
- 2) The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
- 3) The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
- 4) The PP shall not carry out drilling & blasting operations in the proposed quarry.
- 5) In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
- 6) The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
- 7) The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act &

MEMBER SECRETARY  
SEAC -TN

55

CHAIRMAN  
SEAC- TN

Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.

- 8) As accepted by the Project Proponent the CER cost is Rs. 2,00,000/- and the amount shall be spent for the committed activities at Government High School, Egattur village before obtaining CTO from TNPCB.

CER PROPOSAL BY THE PROPONENT	
<ul style="list-style-type: none"><li>• RO – Water Plant</li><li>• Plantation in school ground</li><li>• Environmental Related Books</li><li>• Toilet Construction</li></ul>	Rs. 2,00,000/-

Agenda No: 559- TA-05

(File No:12021/2025)

Proposed Ordinary Earth Quarry lease over an extent of 2.56.0 Ha at S.F.No. 65 (Part), of Devadanam Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by: M/s. Buildfic Engineering Private Limited - For Environmental Clearance.

(SIA/TN/MIN/532562/2025, Dated: 02/04/2025)

The proposal was earlier placed in 558<sup>th</sup> SEAC meeting held on 30.04.2025. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Buildfic Engineering Private Limited has applied for Environmental Clearance for the Proposed Ordinary Earth Quarry lease over an extent of 2.56.0 Ha at S.F.No. 65 (Part), of Devadanam Village, Ponneri Taluk, Tiruvallur 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. Earlier, the proposal was placed in 558<sup>th</sup> SEAC meeting held on 30.04.2025. During the meeting the PP Request for additional time to submit necessary document. Hence the committee decided to defer the proposal.

  
MEMBER SECRETARY  
SEAC -TN

56

  
CHAIRMAN  
SEAC- TN

4. Now the proposal was placed in 559<sup>th</sup> SEAC meeting held on 05.05.2025, PP has submitted the production quantity vide Ltr No. DB / JDO.1 / F. 48 / Ordinary soil / 2025, Dated: 02.05.2025

5. The salient features of the proposal are given below.

File No: 12021/2025		Category	B2
SIA/TN/MIN/532562/2025			1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm and Address	:	M/s. Buildfic Engineering Private Limited, No.3 Kottur Garden Link Road, Kotturpuram, Chennai - 600085.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary Earth Quarry
3.	S.F Nos. of the quarry site	:	S. F. No: 65 (Part),
4.	Village in which situated	:	Devadanam Village
5.	Taluk in which situated	:	Ponneri Taluk
6.	District in which situated	:	Tiruvallur
7.	Extent of quarry (in ha.)	:	2.56.0Hect
8.	Latitude & Longitude of all corners of the quarry site.	:	13°19'0.34"N to 13°19'4.78"N 80°13'56.09"E to 80°14'7.03"E
9.	Topo Sheet No.	:	66- C/03
10	Type of mining	:	Opencast- Mechanized Mining
11	Details of Environmental Setting.	:	<p><u>Habitation</u></p> <ul style="list-style-type: none"> <li>Kumarasirulapakkam- 0.50km- North</li> </ul> <p><u>Water Bodies</u></p> <ul style="list-style-type: none"> <li>The Proposed Lease area is Devathanam WRD Tank, Arani River- 2.62km- North</li> </ul> <p><u>Nearest Reserve Forest:</u></p>

			<ul style="list-style-type: none"> <li>• Erumaivettipalayam RF- 13.01km- SW</li> </ul> <p><b><u>National parks / Wild Life Sanctuary:</u></b></p> <ul style="list-style-type: none"> <li>• Pulicut Wildlife Sanctuary - 10.27km- NE</li> </ul>
12	NBWL Clearance/ Conservation Measures		Not Applicable
13	Details of Previous History	:	It is a Fresh Quarry
14	CCR If Applicable	:	Not Applicable
15	Life of Project	:	55 days
	Lease Period	:	55 days
	Mining Plan Period	:	55 days
16	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m <sup>3</sup> (RoM)	:	Ordinary Earth - 25,600 m <sup>3</sup>
	Minable Resources m <sup>3</sup> (RoM)	:	Ordinary Earth – 19,500 m <sup>3</sup>
	Production Capacity in m <sup>3</sup>	:	Ordinary Earth – 19,500 m <sup>3</sup>
	Maximum Depth in meters	:	0.9m BGL
17	Depth of water table	:	12m - 15m
18	Man Power requirement per day:	:	09 No's
19	Water requirement:		1.2 KLD
	1. Drinking & Domestic	:	0.2 KLD
	2. Dust Suppression	:	0.5KLD
	3. Green belt	:	0.5 KLD
20	Power requirement	:	3840 Litres will be utilized for Ordinary Earth
21	Precise area communication approved by the District Collector.	:	Roc.No.69/2025/ Mines.1 Dated: 28.03.2025
22	Mining Plan approved by Assistant Director of Department	:	Roc.No.69/2025/ Mines.1 Dated: 02.04.2025

	of G&M.		
23	500m Cluster Letter approved by the Assistant Director of Department of G&M	:	Roc.No.69/2025/ Mines.1 Dated: 02.04.2025
24	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: Furnished
25	Project Cost (excluding EMP cost)	:	Rs. 7,83,160/-
26	EMP cost (in Rs. Lakhs).	:	Rs. 1.06 Lakhs
27	CER cost (in Rs. Lakhs).	:	Rs. 2,00,000/-
28	SEAC Recommendation.	:	Recommended
29	Recommended Quantities	:	Validity 55 Days
		:	Production Capacity in m <sup>3</sup> 19,500 m <sup>3</sup>
		:	Depth in m 0.9m BGL
30	Standard Conditions	:	Annexure I
31	Is the depth proposed more than 40m.	:	No
32	If 31 above is YES	:	Special Conditions II
33	Is the proposed area located near Reserve Forest	:	YES
34	If 33 above is YES	:	Special Conditions III
35	Other Special Conditions	:	-

**Committee Recommendation:**

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production capacity of not exceeding 19,500 m<sup>3</sup> of Ordinary Earth up to an ultimate depth of 0.9m BGL subject to the following specific conditions and it 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:

1. The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
2. The PP shall ensure that, after the quarrying of ordinary earth from the tank, the excavated area is properly tapered to maintain stability.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. In the absence of toilet facility in the proposed mining area, the PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
6. The PP shall carry out the operation only during the day-light hours with safety precautionary measures being adopted while excavating in the wet/saturated areas.
7. The PP shall strictly satisfy the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, and other laws, orders pertaining to the quarry operation without any deviation.
8. As accepted by the Project Proponent the CER cost is Rs. 2,00,000/- and the amount shall be spent Government Higher School, Anuppambattu village for the activities as committed before obtaining CTO from TNPCB.

\*\*\*\*\*

  
MEMBER SECRETARY  
SEAC -TN

60

  
CHAIRMAN  
SEAC- TN

## ANNEXURE-I

### SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED WITHIN 1 KM FROM THE RESERVE FORESTS

1. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
2. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
3. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
4. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
5. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
6. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
7. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
8. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.

9. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
10. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
11. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
12. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 20° or more or areas with a high degree of erosion on forestland.
13. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
14. The PP shall not use plastic carry bags within the quarry area.
15. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
16. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.

## GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview of Mines Act 1952.
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. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short-Term Permit (STP), Query license or any other name.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.

9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. 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.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
14. 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.


15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
18. 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.
19. 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.
20. 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.
21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

22. 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.

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



MEMBER SECRETARY  
SEAC -TN



CHAIRMAN  
SEAC- TN

**ORDINARY STONE QUARRY**

Category	Conditions	
1. General	1.1.	Prior approval shall be secured from the SEIAA for any modification / change in the Project mentioned in the Environmental Clearance (EC).
	1.2.	The Environmental Clearance (EC) shall be renewed in accordance with EIA Notification, 2006 vide S.O.2944 (E) dated: 14.09.2016, as amended from time to time.
	1.3.	The EC does not exempt the Proponent and/or his appointed contractors and operator from securing other government approvals or preclude other agencies/departments from enforcing their rules and regulations.
	1.4.	CTO from TNPCB shall be obtained and complied with.
	1.5.	A copy of the EC shall be kept at the Project site at all times. The Project Owner and/or its appointed contractors and operator shall allow access, and provide assistance to the authorised SEIAA officers and engineers in carrying out inspections, incident investigations, taking of pictures, and in obtaining relevant information such as onsite sources of emissions and effluent discharges at any time.
	1.6.	Any environment-related incidents and complaints shall be reported to SEIAA within twenty-four (24) hours. The incident report shall describe the likely cause, the time of occurrence, and the conditions under which an incident occurred, the extent of impact, and the remedial actions undertaken.
	1.7.	A Half-Yearly Compliance Report (HYCR), including environmental protection measures implementation and monitoring, and a brief description with photo documentation shall be submitted to SEIAA and IRO, MoEF&CC.

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

	1.8.	The EC Holder shall send 'Notice of Opening', to the Director of Mine Safety, Chennai Region, as required under the section 16 of the Mines Act 1952 before commencement of mining operations.
	1.9.	While transporting the mined material, the ECH shall ensure that there is no over loading of trucks/trippers/tractors. Every load transported should be weighed in an approved weighing station and the details should be maintained by the ECH.
2. Land	2.1	Topsoil shall be segregated, stockpiled, and protected from wind and water erosion, or contaminants. The segregated top soil shall not be disturbed by surface operations, such as roads and areas upon which support facilities are to be sited.
	2.2	As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF & CC, the ECH shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report.
	2.3	The ECH must not carry out any activity: <ul style="list-style-type: none"> <li>• Within 60 m from the Reserve Forest.</li> <li>• Within the notified environmentally sensitive area of notified protected areas.</li> <li>• Within 1 km of protected areas where the environmentally sensitive area has not been notified.</li> </ul>
	2.4	The ECH must design, install and maintain adequate erosion and sediment control structures wherever necessary to prevent or minimise erosion of disturbed areas and the sedimentation and/or blockage of any watercourse, waterway, or water body.

	2.5	The ECH shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
	2.6	The ECH must not carry out any activity within 300m of an identified historical and archaeological site.
3. Water	3.1	Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and any discharged water into the natural stream should meet CPCB standards.
	3.2	Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB. As a part of Ground Water Management, the ECH shall carry out the scientific studies to assess the existing hydrogeological conditions (water table in the core & buffer zones) and impacts of the quarrying operation on the ground water level present in the core zone, during the 2 <sup>nd</sup> year of the mining operation, by involving any one of the reputed Research and Academic Institutions. A copy the report shall be submitted to the SEIAA, MoEF&CC, TNPCB, WRD and DMS, Chennai.
	3.3	The ECH shall construct a garland drain of appropriate size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
	3.4	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.
4. Air	4.1	The ECH must not cause any release of dust that is not in conformity with the National Ambient Air Quality Standards.
	4.2	The following measures along with any other measures shall be implemented by the ECH to control dust pollution. <ul style="list-style-type: none"> <li>• Installing pollution control equipment (e.g. fitting bag filters or a cyclone to dust generating equipment).</li> <li>• Altering work practices to avoid or minimise the generation of dust.</li> <li>• Scheduling activities during times when they will have least impact.</li> <li>• Spraying water on roads and tracks.</li> <li>• Re-vegetating disturbed areas as soon as possible.</li> </ul>
	4.3	The ECH shall ensure that the loaded trucks are covered to avoid the spillage & dust pollution while transportation.
	4.4	The ECH 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.
	5.1	Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. (i) Workers engaged in operations of HEMM, etc. should be provided with Ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
5. Noise & Vibration	5.2	The ECH must ensure that the ground vibration (peak particle velocity) shall not exceed the threshold limits prescribed by DGMS vide the DGMS Circular No. 7, of 1997.
	5.3	The ECH shall monitor the whole-body vibration level of all the machineries deployed and shall undertake adequate

	measures to reduce whole-body vibration (WBV) exposure to eliminate the adverse occupational health hazards/impacts caused to the operators. The report on the periodic monitoring shall be included in the HYCR.
5.4	The ECH shall carry out blasting 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.
5.5	Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site.
5.6	The ECH shall ensure that the blasting operations shall be carried out with a prior notice to the habitations situated around the proposed quarry. The ECH also should post sentries/guards adequately to ensure safety to the public.
5.7	The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species of native origin with dense/moderate canopy should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
5.8	Taller/one-year-old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanists/horticulturists with regard to site specific choices.

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

	5.9	The ECH shall maintain a register of all the trees planted and the survival rate.
	5.10	Adequate water sprinkling arrangements 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.
	5.11	If a credible, supported complaint is made that noise or vibration is adversely impacting human noise receptors, then the ECH shall consult with affected stakeholders to develop mitigation strategies to resolve the complaint.
6. Social & OHS	6.1	The ECH 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.
		The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
	6.2	The proponent shall install the 'S3 (or) G2' type of fencing with reflectors 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.
	6.3	The ECH shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.


	6.4	The ECH shall use only the road indicated in the mining plan for transportation purposes. ECH shall monitor the condition of the road at all times and if the roads are damaged, ECH shall approach the District Collector for the maintenance of haulage road/village / Panchayat Road under DMF.
	6.5	During the operation of mine, the ECH shall take adequate safety precautionary measures while the vehicles pass through schools / hospitals.
	6.6	The ECH shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman duly employed by him/her in accordance with the provisions of MMR 1961.
	6.7	The ECH shall register promptly through online in the <b>Shram Suvidha Portal</b> which is the official portal of Ministry of Labour & Employment, Govt of India to obtain <b>Labour Identification Number (LIN)</b> before obtaining the CTO from the TNPCB.
	6.8	The ECH shall annually carry out an Occupational Health Survey (OHS) in accordance with the guidelines & period of examination laid in the DGMS (Tech.) (S&T) Circular No. 01 of 2011, on OHS of the persons working in mines prone to generate the airborne dust, under Section 9A of Mines Act, 1952 and a copy of the annual compliance certificate shall be submitted to the SEIAA, IRO, MoEF&CC, TNPCB, AD/Mines-DGM and DMS, Chennai.
	6.9	The ECH shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
7. Financial	7.1	The ECH shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and such funds should not be diverted for other

		purposes. Year-wise expenditure should be included in the HYCR.
	7.2	As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
8. Others	8.1	The ECH shall ensure that the provisions of the MMDR Act, 1957 & Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure, 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.
	8.2	The ECH shall abide by the production schedule specified in the approved mining plan and if any deviation is observed, it will render the ECH liable for legal action in accordance with Environment and Mining Laws.
	8.3	The PP to erect Display board as Appendix-II

**Abbreviations:**

ECH	=	Environment Clearance Holder
HYCR	=	Half Yearly Compliance Report.
CTO	=	Consent to Operate
DMF	=	District Mining Fund
IRO	=	Integrated Regional Office of MoEF&CC
CPCB	=	Central Pollution Control Board
WRD	=	Water Resources Department
DMS	=	Director of Mine Safety
OHS	=	Occupational Health and Safety
NABL	=	National Accreditation board for Testing and Calibration Laboratories

  
MEMBER SECRETARY  
SEAC-TN

  
CHAIRMAN  
SEAC- TN

**SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS**

Sl. No	Existing (or) Virgin Quarry	
	Wind Mills located at a distance of 150 m to 300 m	Wind Mills located beyond 300 m Up to 500 m
1.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.
2.	Special precautions are to be taken during blasting within danger zone such as posting guards, etc.	Blast design parameters should be mentioned in mining plan/scheme. and may be reviewed by a competent mining engineer.
3.	Blast design parameters should be mentioned in mining plan/scheme.	MCPD and total charge should be fixed such that it should not exceed 1.3 kg and 26.50 kg respectively.
4.	The recommendations of scientific organisation need to be incorporated in the mining plan/scheme before its approval.	Fresh scientific study may be conducted if mine management wants to increase the MCPD and total explosive charge above the quantity of 1.30 kg and 26.50 kg respectively. Continuous monitoring using seismograph should also be done in such cases by the mine management.
5.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.
6.	Training of the blasting crew on controlled blasting practices before engaged in operation.	Training of the blasting crew on controlled blasting practices before engaged in operation.

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC- TN

7.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, SPCB. Report of recorded ground vibration need to be added in monthly report.
8.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.
9.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.
10.	Electronic (or) Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.	Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.
11.	Max. number of holes in a round: 30.	Max. number of holes in a round: 40 to 60.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

## TERMS OF REFERENCE (ToR) FOR GRANITE / ROUGH STONE QUARRY

1. In the case of existing/operating mines, a letter obtained from the concerned AD (Mines) shall be submitted and it shall include the following:
  - (i) Original pit dimension
  - (ii) Quantity achieved Vs EC Approved Quantity
  - (iii) Balance Quantity as per Mineable Reserve calculated.
  - (iv) Mined out Depth as on date Vs EC Permitted depth
  - (v) Details of illegal/illicit mining
  - (vi) Violation in the quarry during the past working.
  - (vii) Quantity of material mined out outside the mine lease area
  - (viii) Condition of Safety zone/benches
  - (ix) Revised/Modified Mining Plan showing the benches of not exceeding 6 m height and ultimate depth of not exceeding 50m.
2. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
3. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
4. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
5. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.

6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.

12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
14. Quantity of minerals mined out.
- Highest production achieved in any one year
  - Detail of approved depth of mining.
  - Actual depth of the mining achieved earlier.
  - Name of the person already mined in that leases area.
  - If EC and CTO already obtained, the copy of the same shall be submitted.
  - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment, and the remedial measures for the same.

19. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of the Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass

preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact on local transport infrastructure due to the Project should be indicated.
29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The 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.

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

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

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

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Croteva adansoni</i>	Mavalingum	மாலைங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebumum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceon</i>	Aatrupoovarasu	ஆற்றுப்புலக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Launea coromandelica</i>	Odhiam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விளா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அரம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Mamilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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

## Appendix –II

### Display Board

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

#### -----கரங்கம்

கரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEEA/-----, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி \_\_\_\_\_ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகமை பகுதி வளர்ச்சி	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
மேம்பாட்டுக்கான கரங்கத் திட்டம்	கரங்கப்பாத்தையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டெசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
கரங்க சட்ட விதிகள் 1956ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வுறியாக வாகனங்கள் செல்லும் சாலையை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் தீரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தில் திருநெல்வேலி வட்டார அலுவலகம்: 044 - 28222225 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

\*\*\*\*\*



MEMBER SECRETARY  
SEAC -TN

86



CHAIRMAN  
SEAC- TN