

State Expert Appraisal Committee (SEAC)

Minutes of 373rd meeting of the State Expert Appraisal Committee (SEAC) held on 28.04.2023 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

**Agenda No: 373- 01
(File No: 9761/2023)**

Proposed Rough Stone & Gravel Quarry lease over an extent of 0.28.5Ha S.F.No.117/8, Thattaparai Village, Gudiyatham Taluk, Vellore District by Thiru.R.Kalki – for Environmental Clearance.(SIA/TN/MIN/415645/2023, dt: 24.01.2023)

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. 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.Kalki has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 0.28.5Ha S.F.No.117/8, Thattaparai Village, Gudiyatham Taluk, Vellore 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 precise area communication/lease is issued for the period of 2Years. The approved mining plan is for the period of five years & production should not exceed 9287m³ of Rough Stone & 1188m³ of Gravel. The depth of mining is 14m (4m AGL & 10m BGL).

Based on the presentation and documents furnished by the project proponent, SEAC noted that there are about 35 to 50 Nos. of people reside in 27 Nos. of houses within 300m radius of the proposed ^{mining area} and the proposed ^{area} was found to be full of greenery. In this connection it was observed that as per the Tamil Nadu Minor Mineral Concession Rules,1959 as follows

Rule NO. 36 (1-A) (a) No lease shall be granted for quarrying stone within 300 metres (three hundred metres) from any inhabited site.

‘Inhabited site’ shall mean a village site or town site or a house site as referred to in the revenue records or a house site or layout approved by a Local Body or Town or Country or Metropolitan Planning Authority, where the said Body or Authority is


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created under a statute and empowered to approve such an area as a house site or layout area.

In view of the above, SEAC has decided **not to recommend** the proposal for grant of EC.

Agenda No: 373-02

(File No: 9768/2023)

Proposed Rough Stone & Gravel Quarry lease over an extent of 2.31.5Ha S.F.No.229/1, 4(P) & 5(P), Ayilam Village, Walajah Taluk, Ranipet District by Thiru.R.Madhavan – for Environmental Clearance.(SIA/TN/MIN/415855/2023, dt: 25.01.2023).

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:


1. Earlier, the PP has obtained EC O/o. of DEIAA vide LR.No.DEIAA-DIA/TN/MIN/04/2017 -VLR.EC.No.13. Dt:28.02.2018 for the existing Rough Stone & Gravel Quarry lease over an extent of 2.58.5Ha S.F.No.229/1, 4 & 5, Ayilam Village, Walajah Taluk, Ranipet District.
2. Mining Lease period 26.03.2018 to 25.03.2023.
3. CCR From MoEF&CC, IRO (SZ) vide E.P/12.1/2022-23/SEIAA/254/TN171 Dt:10.02.2023.
4. Now, the Project Proponent, Thiru.R.Madhavan has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 2.31.5Ha S.F.No.229/1, 4(P) & 5(P), Ayilam Village, Walajah Taluk, Ranipet District, Tamil Nadu.
5. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
6. The precise area communication/lease is issued for the period of 5Years. The approved mining plan is for the period of five years & production should not exceed 165838m³ of Rough Stone & 13083 of Weathered Rock & 9880 m³ of Gravel and the annual peak production shall not exceed 37000 m³ of Rough Stone & 4998 m³ of Weathered rock & 4160 m³ of Gravel. The depth of mining is 45m BGL.


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Sl. No	Details of the Proposal	:	Data Furnished
1.	Name of the Owner/Firm	:	Thiru.R.Madhavan, S/o.Raman, No.1/684, Kannikoil Street, Kannigapuram Village, Rathinagiri Post, Walajah Taluk, Ranipet District - 632517
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone & Gravel
3.	S.F No. Of the quarry site with area break-up	:	229/1, 4(P) & 5(P)
4.	Village in which situated	:	Ayilam
5.	Taluk in which situated	:	Walajah
6.	District in which situated	:	Ranipet
7.	Extent of quarry (in ha.)	:	2.31.5Ha
8.	Latitude & Longitude of all corners of the quarry site	:	12°53'47.64"N to 12°53'52.43"N 79°14'35.71"E to 79°14'43.40"E
9.	Topo Sheet No.	:	57- P/01
10.	Type of mining	:	Opencast Mechanized of Mining
11.	Period of quarrying proposed	:	5 years
12.	Production (Quantity in m ³)	:	165838m ³ of Rough Stone & 13083 of Weathered Rock & 9880m ³ of Gravel
13.	Revised quantity after alignment due to high wall	:	156934m ³ of Rough Stone & 13083 of Weathered Rock & 9880m ³ of Gravel
14.	Depth of quarrying	:	45m BGL
15.	Depth of water table	:	70m - 65m BGL
16.	Man Power requirement per day:	:	20 Nos.
17.	Source of Water Requirement	:	water vendors
18.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	1.0 KLD 0.2 KLD 0.5 KLD 0.3 KLD
19.	Power requirement	:	TNEB
20.	Whether any habitation within 300m distance	:	No


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21.	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	: Na.Ka.No.135/2022(Mines), dt: 26.12.2022
22.	Mining Plan approved by Assistant Director(i/c), Department of Geology and Mining with date	: Rc.No.135/2022(Mines), dt: 02.01.2023
23.	Assistant Director, Department of Geology and Mining 500m cluster letter	Rc.No.135/2022(Mines), dt: 05.01.2023
24.	VAO certificate regarding 300m radius cluster	Letter dt: 30.12.2022
25.	Project Cost (excluding EMP cost)	: Rs.31.89 Lakhs
26.	EMP cost	: Rs.114.784 Lakhs/5 Years
27.	CER cost	Rs.5 Lakhs

Based on the presentation and documents furnished by the project proponent. SEAC after considering the safety aspects and to ensure sustainable, scientific and systematic mining due to high wall (Section - X1Y1-AB) decided to recommend the proposal for the grant of Environmental Clearance for the revised quantity of 156934m³ of Rough Stone & 13083 of Weathered Rock & 9880m³ of Gravel by the depth of mining upto 45m BGL and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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

and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.

4. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Initial & Refresher' training accordingly under Mines Vocational Training Rules 1961 in the DGMS approved Group Vocational Training Centre, Trichy before obtaining the CTO from the TNPCB.
5. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and **shall furnish the photographs showing the same before obtaining the CTO** from TNPCB.
6. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
7. **The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.**
8. The Project Proponent (PP) shall submit a 'Slope stability action plan' for the existing quarry incorporating the haul road within the permissible gradient keeping the benches intact with proper geometry after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries.
10. **The PP shall provide adequate garland drain around the quarry site before obtaining the CTO** from TNPCB.
11. **The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 80 m:**
 - a. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (**Thick Tree plantation in two rows**) along


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the boundary of the mine lease area before obtaining the CTO from the TNPCB.

- b. 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.
- c. 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.
- d. 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.
- e. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- f. 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.
- g. 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.
- h. 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.
- i. 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.

- j. 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.
- k. 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.
- l. 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 200 or more or areas with a high degree of erosion on forestland.
- m. 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.
- n. The PP shall not use plastic carry bags within the quarry area.
- o. 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 runoff from the road side drainage shall relate to the natural drainage system in the area.
- p. 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


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reserved forest area from ecological and environmental point of view.

12. Since few structures are located within 500 m from the lease boundary, the PP shall carry out only one round of controlled blast only per day, restricted to the maximum of 40 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 10 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
13. However, within six months from the commencement of mining operations after obtaining prior permission from the DMS/Chennai Region, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
14. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
15. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
16. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe

- method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
17. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
 18. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
 19. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
 20. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
 21. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
 22. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Panchayat Union Primary School, Ramapuram Village, Arcot Taluk, Ranipet District as committed, before obtaining CTO from TNPCB.


Agenda No: 373-03

(File No: 9775/2023)

Proposed Rough Stone & Gravel Quarry lease over an extent of 4.79.0Ha S.F.No.1019/2 (Part), 1021/3 (Part), 1022 (Part) & 1023/3 (Part), Kuppam Village, Pugalur Taluk, Karur District Tamil Nadu by M/s.Alpha Blue Metals– for Environmental Clearance.(SIA/TN/MIN/416160/2023, dt: 28.01.2023)

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:


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1. The Project Proponent, M/s.Alpha Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 4.79.0Ha S.F.No.1019/2 (Part), 1021/3 (Part), 1022 (Part) & 1023/3 (Part), Kuppam Village, Pugalur Taluk, Karur 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 precise area communication/lease is issued for the period of 10 Years. The approved mining plan is for the period of 1st five years & production should not exceed 990450m³ of Rough Stone & 81750m³ of Gravel and the annual peak production shall not exceed 206700 m³ of Rough Stone & 287501 m³ of Gravel. The depth of mining is 40m BGL.
4. The revised production quantity after restricting depth upto 50m BGL. As per revised production quantity, the production should not exceed 1087500 m³ of Rough Stone & 81750m³ of Gravel. The depth of mining is 50m BGL.

Sl. No	Details of the Proposal	:	Data Furnished
1	Name of the Owner/Firm	:	M/s.Alpha Blue Metals, S.F.No.277, Athippalayam Post, Athippalayam Village, Pugalur Taluk, Karur District
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	:	1019/2 (Part), 1021/3 (Part), 1022 (Part) & 1023/3 (Part)
4	Village in which situated	:	Kuppam
5	Taluk in which situated	:	Pugalur
6	District in which situated	:	Karur
7	Extent of quarry (in ha.)	:	4.79.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	11°0'38.77"N to 11°0'43.66"N 77°54'45.34"E to 77°54'58.39"E
9	Topo Sheet No.	:	58- E/16

10	Type of mining		Opencast Semi-Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	990450m ³ of Rough Stone & 81750m ³ of Gravel
13	Depth of quarrying	:	40m
14	Depth of water table	:	65m-70m BGL
15	Man Power requirement per day:		24 Nos.
16	Source of Water Requirement		water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	5.0 KLD 1.0 KLD 2.0 KLD 2.0 KLD
18	Power requirement a. Domestic Purpose b. Industrial Purpose		TNEB 805998 Liters HDS
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	:	Na.Ka.No.555/Kanimam/2022, dt: 03.01.2023
21	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	Rc.No.555/Mines/2022, dt: 12.01.2023
22	Deputy Director, Department of Geology and Mining 500m cluster letter		Rc.No.555/Mines/2022, dt: 24.01.2023
23	VAO certificate regarding 300m radius cluster		Letter dt: 23.01.2023
24	Project Cost (excluding EMP cost)	:	Rs.174.943 Lakh
25	EMP cost	:	Rs.447.93 Lakhs/10 Years
26	CER cost		Rs.5 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 990450m³ of Rough Stone & 81750m³ of Gravel and the annual peak production shall not exceed 206700 m³ of Rough Stone & 287501 m³ of Gravel by the depth of mining upto 40m BGL and subject to the standard conditions as per the


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

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier **vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Initial & Refresher' training accordingly under Mines Vocational Training Rules 1961 in the DGMS approved Group Vocational Training Centre, Trichy before obtaining the CTO from the TNPCB.
5. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and **shall furnish the photographs showing the same before obtaining the CTO** from TNPCB.
6. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
7. **The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.**


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8. The Project Proponent (PP) shall submit a 'Slope stability action plan' for the existing quarry incorporating the haul road within the permissible gradient keeping the benches intact with proper geometry after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries.
10. The PP shall continuously provide support to the Panchayat Union Primary School, Kuppam Village ensure cleanliness of the toilet provided as part of CER activity.
11. Since few structures are located within 500 m from the lease boundary, the PP shall carry out only one round of controlled blast only per day, restricted to the maximum of 40 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 10 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
12. However, within six months from the commencement of mining operations after obtaining prior permission from the DMS/Chennai Region, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.


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13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
17. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
18. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
19. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
20. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
21. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Panchayat Union Primary School, Kuppam Village as committed, before obtaining CTO from TNPCB.

Agenda No: 373-04
(File No. 9782/2023)

Proposed Rough Stone Quarry lease over an extent of 1.50.0Ha (Govt. Poramboke Land) S.F.No.137(Part), Moolakkadu Village, Mettur Taluk, Salem District by Thiru.M.Arumugam– for Environmental Clearance.(SIA/TN/MIN/416501/2023, dt: 31.01.2023)

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Arumugam has applied for Environmental Clearance for the Proposed Rough Stone Quarry lease over an extent of 1.50.0Ha S.F.No.137(Part), Moolakkadu Village, Mettur 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 precise area communication/lease is issued for the period of 10 Years. The approved mining plan is for the period of 1st five years & production should not exceed 90365 m³ of Rough Stone & 10400 m³ of Topsoil and the annual peak production shall not exceed 18165 m³ of Rough Stone. The depth of mining is 41m (31m AGL + 10m BGL).


Sl. No	Details of the Proposal	:	Data Furnished
1	Name of the Owner/Firm	:	Thiru.M.Arumugam S/o.S.Munusamy No.4/148, Ajjanahalli, Pennagaram Dharmapuri District - 636810
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone
3	S.F No. Of the quarry site with area break-up	:	137(Part)
4	Village in which situated	:	Moolakkadu
5	Taluk in which situated	:	Mettur
6	District in which situated	:	Salem
7	Extent of quarry (in ha.)	:	1.50.0Ha


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8	Latitude & Longitude of all corners of the quarry site	:	11°48'02.06"N to 11°48'07.92"N 77°45'47.65"E to 77°45'53.03"E
9	Topo Sheet No.	:	58- E/13
10	Type of mining		Opencast Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	90365m ³ of Rough Stone
13	Depth of quarrying	:	41m (31m AGL + 10m BGL)
14	Depth of water table	:	60m – 56m BGL
15	Man Power requirement per day:		15 Nos.
16	Source of Water Requirement		water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt &Wet Drilling (in KLD)	:	2.0 KLD 0.5 KLD 1.0 KLD 0.5 KLD
18	Power requirement a. Domestic Purpose b. Industrial purpose		TNEB 74018Liters of HSD
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	:	Rc.No.191/2020/Kanimam-A, dt: 14.07.2020
21	Mining Plan approved by Assistant Geologist / Assistant Director (i/c), Department of Geology and Mining with date	:	Rc.No.191/2020/Mines-A, dt: 08.09.2020
22	Deputy Director, Department of Geology and Mining 500m cluster letter		Rc.No.191/2020/Mines-A, dt: 29.12.2022
23	VAO certificate regarding 300m radius cluster		Letter dt: 20.08.2020
24	Project Cost (excluding EMP cost)	:	Rs.59.29 Lakhs
25	EMP cost	:	Rs.203.12 Lakhs/10 Years
26	CER cost		Rs.5 Lakhs


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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 quantity of 90365 m³ of Rough Stone and the annual peak production shall not exceed 18165 m³ of Rough Stone and depth of mining is 41m (31m AGL + 10m BGL) and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier **vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. Considering safety aspects, the PP shall not mine the tenth bench of section XY-AB with dimension (61 (length) X 6 (Width) X 5 (Depth)) proposed for the 2nd five year of mining plan.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
4. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
5. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Initial & Refresher' training accordingly under Mines Vocational Training Rules 1961 in the DGMS approved Group Vocational Training Centre, Trichy before obtaining the CTO from the TNPCB.
6. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS


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Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.

7. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
8. **The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.**
9. The Project Proponent (PP) shall submit a 'Slope stability action plan' for the existing quarry incorporating the haul road within the permissible gradient keeping the benches intact with proper geometry after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
10. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries.
11. The PP shall provide adequate garland drain around the quarry site before obtaining the CTO from TNPCB.
12. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 94 m:
 - a. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (**Thick Tree plantation in two rows**) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - b. 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.
 - c. 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.


- d. 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.
- e. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- f. 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.
- g. 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.
- h. 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.
- i. 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.
- j. 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.
- k. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and



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hence the PP shall not even indulge in constructing the haul roads in these areas.

- l. 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 200 or more or areas with a high degree of erosion on forestland.
 - m. 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.
 - n. The PP shall not use plastic carry bags within the quarry area.
 - o. 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 runoff from the road side drainage shall relate to the natural drainage system in the area.
 - p. 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.
13. Since few structures are located within 500 m from the lease boundary, the PP shall carry out only one round of controlled blast only per day, restricted to the maximum of 40 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 10 m from the site of blasting. The PP shall also ensure


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that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

14. However, within six months from the commencement of mining operations after obtaining prior permission from the DMS/Chennai Region, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
15. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
16. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
17. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
18. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
19. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.


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20. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
21. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
22. 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.
23. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Panchayat Union Middle School, Moolakkadu Village, Kolathur Union, Salem District as committed, before obtaining CTO from TNPCB.

Agenda No: 373-05

(File No: 9762/2022)

Proposed Rough Stone and Gravel Quarry over an Extent of 1.39.0 Ha at S.F.Nos. 14/1 and 15/2 of Azhagiyapakkam Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu by Thiru.R.Rasu -For Environmental Clearance (SIA/TN/MIN/413235/2023, 12.01.2023).

The proposal was placed in this 373rd Meeting of SEAC held on 28.04.2023. 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.Rasu has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an Extent of 1.39.0 Ha at S.F.Nos. 14/1 and 15/2 of Azhagiyapakkam Village, Marakkanam Taluk, and Viluppuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 1,21,070m³ of Rough Stone, 9,024 m³ of Weathered Rock & 19,332m³ of Gravel. The annual peak


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production is 24,310m³ of Rough Stone, 4,996 m³ of Weathered Rock & 10,620m³ of Gravel. The ultimate depth is 33mBGL.

The SEAC noted that the proponent, Thiru.R.Rasu has earlier submitted application No. SIA/TN/MIN/73833/2022 dt: 21.03.2022 (File No. 9113/2020) under B1 Category was appraised vide 284th Meeting of SEAC held on 10.06.2022. Based on the presentation made by the proponent and considering safety point of view, SEAC recommended to remove the last bench in XY-CD section. Accordingly grant of Terms of Reference (TOR) with Public Hearing is issued for the production of 1,19,220 Cu.m of rough stone, 9024 Cu.m of Weathered Rock and 19332 cu.m. of Gravel in 5 years with ultimate depth 33m, subject to the TORs as stated therein, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report.

Subsequently, this proposal was placed in this 529th Meeting of Authority held on 05.07.2022. The Authority after detailed discussion decided to call for the following details from the project proponent.

- i. Details of water bodies in the 2km radius of the proposed mining site.
- ii. NOC from DFO in regard to impact of mining on nearby R.F (Sevor R.F @ 2.5 km & straying wild animals).

Meanwhile, the proponent has submitted a request letter to withdraw the online proposal number SIA/TN/MIN/73833/2022 dt: 21.03.2022 (9113/2022).

Subsequently, the PP had resubmitted a fresh application under B2 Category vide online Application No.SIA/TN/MIN/413235/2023 dt 12.01.2023 (9762/2023) and obtained a fresh 500m cluster certificate vide Rc.No.B/G&M/420/2018 dated: 27.09.2022 from DD/mines, Villupuram District.

Hence, the subject (9762/2023) was placed in the 373rd Meeting of SEAC held on 28.04.2023. During the meeting, the Committee noted that the withdrawal request submitted by the PP for the earlier online application No.SIA/TN/MIN/73833/2022 dt: 21.03.2022(9113/2022) is still pending before the Authority.

Therefore, the SEAC decided to take this subject (9762/2023) after acceptance of the withdrawal request by the Authority for the file 9113/2022.


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Agenda No: 373-06

(File No: 9783/2022)

Proposed Rough stone quarry lease over an extent of 2.00.0 Ha at S.F. No.67 (Part) of Kunniyur Village, Kallakurichi Taluk, Viluppuram District, Tamil Nadu by Thiru. K.Sakthivel -For Environmental Clearance (SIA/TN/MIN/415853/2023, 25.01.2023).

The proposal was placed in this 373rd Meeting of SEAC held on 28.04.2023. 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, ThiruK.Sakthivel has applied for Environmental Clearance for the proposed rough stone quarry lease over an extent of 2.00.0 Ha at S.F. No.67 (Part) Kunniyur Village, Kallakurichi Taluk, Viluppuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production as per mining plan for 5 years not to exceed – 322719 m³ of rough stone. The Annual peak production as per mining plan is 64695 m³ Rough stone with ultimate depth of 45m (5m AGL + 40mBGL).
4. Earlier appl No. SIA/TN/MIN/234044/2021 dt: 13.10.2021 (File No. 8850/2021) was appraised vide 272nd Meeting of SEAC held on 13.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

"... No quarrying or mining or crushing activities shall be carried out within one-kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests".


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The Committee noted that the **Risivanthiyam RF** is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal and same was accepted in 517th meeting of SEIAA held on 06.06.2022.**

5. As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

“...In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression “the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests”, the expression “National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors” shall be substituted...”

6. Now, the Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/415853/2023 dt: 25.01.2023 (File No. 9783/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

Description	Old File	New File
File No	8850	9783
Online Proposal No for EC	SIA/TN/MIN/234044/2021 dt: 13.10.2021	SIA/TN/MIN/415853/2023 dt: 25.01.2023

Hence, the proposal was placed in this 373rd Meeting of SEAC held on 28.04.2023. The salient features of the proposed project as follows

Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru.K.Sakthivel S/o.Kannan, No.2/69,SouthStreet, Pallagacherry village & post, SankarapuramTaluk, Villuppuram district-606201.
2.	Type of quarrying	Rough Stone


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3.	S.F No. of the quarry site	67 (Part)	
4.	Village in which situated	Kunniyur	
5.	Taluk in which situated	Kallakurichi	
6.	District in which situated	Viluppuram	
7.	Extent of quarry (in ha.)	2.00.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	11°45'35"N to 11°45'41"N 79°06'49"E to 79°06'55"E	
9.	Topo Sheet No.	58 M/01	
10.	Type of mining	Opencast Mechanized method of Mining	
11.	Period of current mine plan	5 years	
12.	Production (Quantity in m3)	As per Approved Mining Plan	As per the mining plan, the lease period is for 5 years. The production as per mining plan for 5 years not to exceed – 322719 m ³ of rough stone. The Annual peak production as per mining plan is 64695 m ³ Rough stone.
		Revised Quantity considering the safety aspects	The production for 5 years not to exceed – 3,17,854 m ³ of rough stone. The Annual peak production as per mining plan is 64695 m ³ Rough stone.
13.	Depth of mining	45m (5m AGL + 40m BGL).	
14.	Depth of water table	55m BGL	
15.	Man Power requirement	18 Nos	

16.	Water requirement Drinking Water (KLD) Dust Suppression (KLD) Green Belt (KLD)	2.0 KLD 1.0 KLD 0.5 KLD 0.5 KLD
17.	Power requirement	TNEB 258175 liters of HSD
18.	Precise area communication approved by the District Collector with date	Na.Ka.No. B/G&M/688/2019, dated: 13.11.2019
19.	Mining Plan approved by Assistant Director, Geology and Mining with date	RC.No. B/G&M/688/2019, dated: 21.11.2019
20.	500m cluster letter issued by the Assistant Director of Geology and Mining with date	Rc.No. B/G&M/688/2019, dated: 21.11.2019
21.	VAO certificate regarding habitations in 300m radius	Letter dt: 28.08.2021
22.	Project Cost (excluding EMP)	Rs. 67,82,000/-
23.	EMP cost	Capital Cost: 12,27,000/- Recurring Cost: 26,68,095/-
24.	CER Cost	Rs.5,00,000/-as accepted by the PP

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

1. The PP shall furnish revised EMP by including Slope stability action plan as the proposed depth is more than 40m.
2. As the Govt. Elementary school is located at a distance of 0.46 km from the proposed site, the implications of the proposed mining operations on the functioning of the school and the mitigation measures proposed.


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AGENDA No: 373-07

(File No: 9770/2023)

Proposed Red Earth and Pebbles quarry lease over an extent of – 2.10.0 ha S.F.No. 58/1(PART-II) of Kallamedu Village, Ulundurpet Taluk, Kallakurichi District, Tamil Nadu by Thiru. S. Manoharan– For Environmental Clearance (SIA/TN/MIN/415651/2023, dated 27.04.2023)

The proposal was placed in 373rd meeting of SEAC held on 28.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

On perusal of the online application pertaining to the project, SEAC noticed that the Project Proponent's name does not match with that mentioned in the statutory approvals. As the Environmental Clearance is auto-generated and name correction is not permitted on PARIVESH web portal, the Committee directed the Proponent to withdraw this online application and file a new one. On receipt of the new online application the subject may be placed before the SEAC for appraisal.

AGENDA No: 373-08

(File No: 9784/2023)

Proposed Rough Stone and Gravel quarry lease over an extent of – 1.77.5 ha S.F.No. 24/3, Thennampattu Village, Ambur Taluk, Tirupathur District, Tamil Nadu by Thiru.N.Soundarajan– For Environmental Clearance (SIA/TN/MIN/416513/2023, dated 27.04.2023)

The proposal was placed in 373rd meeting of SEAC held on 28.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

The SEAC noted the following:

1. The project proponent, Thiru.N.Soundarajan has applied seeking Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease over an extent of – 1.77.5 ha S.F.No. 24/3, Thennampattu 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.


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Based on the presentation and documents furnished by the project proponent, SEAC noticed that a habitation with about 100 number of houses is situated at a distance of 143m from the project site. Hence the SEAC decided **not to recommend** the proposal for the grant of Environmental Clearance.

Agenda No: 373 - 09
(File No: 7620/2020)

Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 1.14.15 Ha at SF.No. 306/3(P) of Kombankulam Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu by M/s. R. R. Blue Metals - For Environmental Clearance. (SIA/TN/MIN/158463/2020, Dated: 07.07.2020)

The proposal was placed for appraisal in this 373rd meeting of SEAC held on 28.04.2023. 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. R. R. Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 1.14.15 Ha at S.F. No. 306/3(P) of Kombankulam Village, Sathankulam Taluk, Thoothukudi 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. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 71,980m³ of Rough stone & 14,700m³ of Gravel to an ultimate depth of Mining 23m below ground level.
4. The proponent had submitted the reply for the EDS query raised by SEIAA vide Lr. No. SEIAA/TN/F.No.7620/2020 Dated: 01.04.2021 as follows

QUERY	REPLY
• In the PFR page 124, the lease agreement copy for the abandoned quarry, granted to PP is available. The abandoned quarry belongs to	• As per the 500m radius cluster letter (Enclosed as Annexure 1) issued by Department of Geology and Mining, Thoothukudi, it is


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<p>the PP as per the collector proceedings No. 37/G&M/2014 dt 28.03.2018. The lease period was valid till 29.03.2020. The PP has also obtained EC for the said quarry. As per SO 2269(E) dated 01.07.2016 the abandoned quarry to be taken into cluster area calculation, as the lease period is over by 28.03.2020 only. Hence the cluster area in this case is 5.92.15 Ha.</p> <ul style="list-style-type: none"> • As Cluster area is more than 5Ha, PP is directed to apply for ToR, as B2 category on par with B1 category, instead of B2 category. • Hence you are requested to upload the above said proposal in the Parivesh portal for obtaining ToR and submit the revised Form 1 and Form 1M within a period of seven days from the date of receipt of the letter so as to consider your proposal for issue of ToR. 	<p>noted that there is one abandoned quarry (4.78ha) + 1 proposed quarry (1.14.15 ha) located within the 500m radius.</p> <p>The abandoned quarry belongs to the PP as per the collector proceedings No. 37/G&M/2014 dt 28.03.2018 and the lease period was valid till 29.03.2020. (Enclosed as Annexure 2)</p> <p>↓ The Environmental Clearance for this lease area was received from SEIAA vide Letter no SEIAA, TN/F.No.2774/EC/1(a)/1862/2014 dated 30.03.2015. (Enclosed as Annexure 3)</p> <p>↓ S.O. 2269(E) dated 01.07.2016 (Enclosed as Annexure 4), states that;</p> <p><i>"The leases not operative for three years or more and leases which have got environmental clearances as on 15th January 2016 shall not be counted for calculating the area of cluster, but shall be included in the Environmental Management Plan and Regional Environmental Management Plan".</i></p> <p>Since the lease of the nearby abandoned quarry expired already on 29.03.2020 and also for which</p>
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	<p>the EC was obtained prior to <i>15th January 2016</i> (i.e on 30.03.2015) , this project may not be considered as a cluster situation.</p> <p>As such this proposal will come under B2 category and ToR is not required.</p>
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5. Considering the safety aspects, SEAC decided to recommend the proposal with following revision in the quantity:

YEAR	REVISED YEARLY ROUGHSTONE PRODUCTION (m ³)					
	Depth as per mining plan @23m for 5 years			Revised depth @18m for 5 years		
	ROUGH STONE (m ³)	Weathered Rock in (m ³)	GRAVEL (m ³)	ROUGH STONE (m ³)	Weathered Rock in (m ³)	GRAVEL (m ³)
I	14355	2992	6160	14355	2992	6160
II	14520	2992	6160	14520	2992	6160
III	14645	1122	2380	14645	1122	2380
IV	14480	-	-	14480	-	-
V	13980	-	-	11310	-	-
Total	71980	7106	14700	69310	7106	14700

The proposal is for mining of Rough Stone & Gravel Quarry and the salient features of the proposal are as follows:

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner / Firm	M/s. R. R. Blue Metals Managing Partner Thiru. V.R.Elango, No.1/0, Thuvarkulam Junction, Kulanvellai Road, Kombankulam Village Sathankulam Taluk, Thoothukudi District.
2.	Type of quarrying	Rough Stone & Gravel Quarry


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3.	S.F No. of the quarry site	306/3(P)
4.	Village in which situated	Kombankulam
5.	Taluk in which situated	Sathankulam
6.	District in which situated	Thoothukudi
7.	Extent of Quarry (in ha.)	1.14.15 Ha
8.	Period of Quarrying proposed	1 year 5 Years.
9.	Type of Mining	Opencast Semi – Mechanized method.
10.	Production (Quantity in m ³)	69,310m ³ of Rough stone & 14,700m ³ of Gravel
11.	Latitude & Longitude of all corners of the quarry site	08°27'47"N to 08°27'55"N 77°51'17"E to 77°51'18"E
12.	Topo sheet No.	57- H/15
13.	Man power requirement per day:	18 Nos
14.	Precise Area Communication Letter approved by the District Collector with date	Rc.No.G.M.1/379/2019, Dated: 17.02.2020
15.	Mining plan approved by the Assistant Director of Geology & Mining with date	Rc.No.379/G&M/2019, Dated: 26.02.2020
16.	AD mines 500m cluster letter by the Assistant Director of Geology and Mining with date	Roc.No.379/G&M/2019, Dated: 26.02.2020
17.	Water requirement: 1. Drinking & domestic purposed 2. Dust Suppression 3. Green Belt	2.5 KLD 1.5 KLD 0.5 KLD 0.5 KLD
18.	Power requirement: a. Domestic purpose	TNEB
19.	Depth of Mining	18m BGL
20.	Depth of Water table	55m in rainy & 58m in summer seasons
21.	Project cost (Excluding EMP)	Rs. 48,58,000
22.	EMP cost	Capital cost: Rs. 15.48 Lakhs Recurring cost: Rs. 12.53 Lakhs
23.	CER cost	Rs. 5 Lakhs For School Rs 2 lakhs For Koonthankulam Bird sanctuary – Rs 3 lakhs
24.	VAO letter dated	12.03.2020.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the depth of mining up to 18m BGL for a production quantity of 69,310 m³ of rough stone & 14,700 m³ of Gravel for five years. The annual peak production shall not exceed 14,645 m³ of Rough Stone and 6160 m³ of Gravel subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.


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7. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. However, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to

confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.

13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
17. As accepted by the Project proponent the total CER cost is Rs. 5 lakhs out of which Rs.2 Lakhs shall be spent for the Government Higher Secondary School, Kombankulam village and Rs. 3 Lakhs for conservation of Koothankulam Birds Sanctuary as committed, before obtaining CTO from TNPCB.

Agenda No: 373 - 10

(File No: 8474/2021)

Proposed Earth quarry lease over an extent of 0.84.0 Ha at S.F.No. 1031/1A (Part) of Cumbum Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru. G. Murugan - For Environmental Clearance. (SIA/TN/MIN/ 204767/2021, Dated: 22.03.2021)

The proposal was placed for appraisal in this 372nd meeting of SEAC held on 27.04.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. G. Murugan has applied for Environmental Clearance for the Proposed Earth quarry lease over an extent of 0.84.0 Ha at S.F.No. 1031/1A (Part) of Cumbum Village, Uthamapalayam Taluk, Theni District, Tamil Nadu.


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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. As per the mining plan, the lease period is for 2 years. The production for 2 years not to exceed 9,102m³ of Earth to a depth of Mining 1.5m below ground level.
4. The proposal was earlier placed in 252nd SEAC meeting held on 10.03.2022. The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon’ble Madurai Bench of Madras High Court in W.P. (MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon’ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of “Savudu” and other Colloquial terminologies and issued the following directions.
 - i. *There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*
 - ii. *There shall not be any quarry operation in the name of colloquial terms/local terms and any lease shall be in accordance with minerals notified under section 3 (e) of the MMDR Act.*
 - iii. *A high-level committee has to be constituted, consisting of Geologists and Experts in the said field and eminent Officers from WRO, PWD to conduct a detailed study/survey on the possibility or the availability of the river sand on the adjacent patta lands to the rivers and those places, where sand is available, have to be notified and declared as protected zones and there cannot be any quarry operation other than by the Government, in those notified areas.*
 - iv. *The department of Geology and Mining, shall furnish the details of all the Savudu quarries granted so far, in the state of Tamil Nadu, to this court, within a period of eight weeks from the date of receipt of a copy of this order.*

- v. *The details of all the savudu quarries shall also be furnished to the High Level Committee and High Level Committee shall inspect those quarries to ascertain the availability of sand in those quarries. In the event of High Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.*
- vi. *Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*
- vii. *The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*
- viii. *Whenever, SEIAA clearance is required , it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.*

Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.


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- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

In the present case, the Committee, therefore directed the proponent to submit the following additional details for further processing the proposal.

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

5. Subsequently, the proposal was placed in the 496th Authority held on 24.03.2022. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 10.03.2022.

Now, the proposal was again placed in the 373rd SEAC meeting held on 28.04.2023. Based on the presentation made and documents furnished by the proponent, SEAC noted that the proponent had submitted two soil analysis test report obtained from the same university on the same date with two different results. Hence, the proponent is requested to submit the original copy of both the results obtained from the university. On receipt of the same, the subject will be taken up for further deliberation and to decide on future course of action.

Agenda No: 373 - 11

(File No: 9771/2020)

Proposed Brick Earth quarry lease area over an extent of Extent 2.52.0 Ha at SF. No. 120(P), 113/1, 115/1, 2, 3, 4, 5, 115/6 & 121/1A of Arumbakkam Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by Thiru. J. Mani - For Environmental Clearance. (SIA/TN/MIN/184767/2020, Dated: 25.11.2020)

The proposal was placed for appraisal in this 373rd meeting of SEAC held on 28.04.2023. The details of the project furnished by the proponent are given in


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the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. J.Mani has applied for Environmental Clearance for the Proposed Brick Earth quarry lease area over an extent of Extent 2.52.0 Ha at SF.No. 120(P), 113/1, 115/1, 2, 3, 4, 5, 115/6 & 121/1A of Arumbakkam 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. As per the mining plan, the lease period is for 1 year. The production for 1 year not to exceed 19,666m³ of Brick earth to an ultimate depth of Mining 1m below ground level.
4. The proponent had submitted an application seeking Environmental clearance in respect of the J. Mani, Partner, and M/s. Vasugi Brick Works vide online number SIA/TN/MIN/185089/2020 and subsequently had not received acknowledgement due to server error. Subsequently, the proponent had applied again for the same proposal vide online No. SIA/TN/MIN/184767/2020. Further, the proponent had withdrawn the original application instead of duplicate application. Subsequently, the proponent had applied with fresh DD, Online application (Online Proposal No. SIA/TN/MIN/184767/2020, Dated; 25.11.2020) along with hard copy and obtained new file number (File no.9771) from SEIAA. Further, proponent declared that there is no legal issue in this file and therefore, requested the committee to kindly process the application. Hence, in the view of the above facts, SEAC accepted the request of the proponent to appraise the proposal pertaining to online number SIA/TN/MIN/184767/2020, Dated; 25.11.2020 & offline number 9771.

The proposal is for mining of Brick Earth Quarry and the salient features of the proposal are as follows:

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru. J. Mani, Partner, M/s.Vasugi Brick Works


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		Soranjeri-A Village Poonthamalle Taluk, Tiruvallur District
2.	Type of quarrying	Brick Earth Quarry
3.	S.F No. of the quarry site	120(P), 113/1, 115/1, 2, 3, 4, 5, 115/6 & 121/1A
4.	Village in which situated	Arumbakkam
5.	Taluk in which situated	Tiruvallur
6.	District in which situated	Tiruvallur
7.	Extent of Quarry (in ha.)	2.52.0 Ha
8.	Period of Quarrying proposed	1 year
9.	Type of Mining	Opencast method of shallow mining, without Drilling and Blasting.
10.	Production (Quantity in m ³)	19,666m ³ of Brick earth
11.	Latitude & Longitude of all corners of the quarry site	13°12'44.89"N to 13°12'51.58"N 79°57'17.31"E to 79°57'25.03"E
12.	Topo sheet No.	57- O/16
13.	Man power requirement per day:	16 Nos
14.	Precise Area Communication Letter approved by the Assistant Director (i/c) with date	Na.Ka.No.46/2020/Kanimam.2, Dated: 12.10.2020
15.	Mining plan approved by the Assistant Director (i/c) of Geology & Mining with date	Rc.No.46/2019/G&M-2, Dated: 19.11.2020
16.	AD mines 500m cluster letter by the Assistant Director (i/c) of Geology and Mining with date	Rc.No.46/2020/G&M-2, Dated: 19.11.2020
17.	Water requirement: 1. Drinking & domestic purposed 2. Dust Suppression 3. Green Belt	3.0 KLD 1.5 KLD 0.5 KLD 1.0 KLD
18.	Power requirement: a. Domestic purpose b. Industrial purpose	TNEB 3,280 Litres of HSD
19.	Depth of Mining	1m BGL
20.	Depth of Water table	26m-28m BGL.
21.	Project cost (Excluding EMP)	Rs. 16,18,000
22.	EMP cost	Capital cost: Rs. 6,36,000 Recurring cost: Rs. 5,12,000
23.	CER cost	Rs. 3 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the maximum period of 1 Year for the production quantity of 19,666 m³ of Brick Earth and the peak production does not exceed 19,666 m³ of Earth/year & the ultimate depth of mining up to 1m BGL subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. **The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.**
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.


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7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The 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.
13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. 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.

15. 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.
16. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
17. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
18. 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.
19. 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.
20. 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.


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21. 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.
22. 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.
23. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
24. 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.
25. 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.
26. 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.
27. As accepted by the Project proponent the CER cost is Rs. 3 lakhs and the amount shall be spent for the Government School in Arumbakkam Village as committed, before obtaining CTO from TNPCB.

Agenda No: 373 - 12

(File No: 9778/2023)

Proposed Rough stone quarry lease area over an extent of Extent 1.98.0 Ha at SF. No. 919/1B, 919/2 & 919/6 of P. N. Patti Village, Mettur Taluk, Salem District, Tamil Nadu by Thiru. R.S. Elamvazuthi - For Environmental Clearance. (SIA/TN/MIN/416133/2023, Dated: 28.01.2023)


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The proposal was placed for appraisal in this 373rd meeting of SEAC held on 28.04.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. R.S. Elamvazuthi has applied for Environmental Clearance for the Proposed Rough stone quarry lease area over an extent of Extent 1.98.0 Ha at SF. No. 919/1B, 919/2 & 919/6 of P. N. Patti Village, Mettur 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.
3. As per the mining plan, the lease period is for 5 years. The production for 5 year not to exceed 48,165m³ of Rough stone & 12,126 m³ of Top soil to an ultimate depth of Mining 42m (2m Topsoil + 40m Rough stone) [30m Above ground level + 12m below ground level].
4. Earlier the proponent had obtained Environmental Clearance vide Lr. No. SEIAA-TN/F.No. 1905 /EC/1(a)/ 1151 /2013 dated: 03.03.2014.

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

- i. The proposed mine lease area is located at a distance of approximately 205m from the Stanley Reservoir in the upstream side.
- ii. The proposed Mine lease area is located at a distance of approximately 1.99 Km from the Mettur Dam in the upstream side.
- iii. The proposed Mine Lease area is at a distance of approximately 390m from Thermal Power Station.
- iv. The proposed Mine Lease area is at a distance of approximately 810m from Water Intake structure.

Based on the above facts, SEAC decided to call for additional details

1. Certified compliance report pertaining to the existing quarry from the Competent Authority.
2. The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – Commercial/


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industrial/ Residential/ Farm house/ Government building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures- whether it belongs to the PP (or) not, etc.

3. Copy of the NoC obtained from WRD-TN for the proposed mining activity.
4. The details regarding the existing depth and depth of mining for which earlier EC was accorded.

On receipt of the same, the subject will be taken up for further deliberation and to decide on future course of action.

Agenda No: 373 - 13

(File No: 9792/2023)

Proposed Rough stone quarry lease area over an extent of Extent 2.43.0 Ha at SF.No. 53/12B (Part), 53/13, 53/14, 53/15, 53/16, 53/17, 53/23 (Part), 53/24, 53/25A, 53/25B,53/25C, 53/27, 57/1, 57/2, 57/3, 57/4A, 57/4B, 57/5 & 57/9 (Part) of Palayaseevaram B Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu by Thiru. V. Janakiraman - For Environmental Clearance. (SIA/TN/MIN/416722/2023, Dated: 02.02.2023).

The proposal was placed for appraisal in this 373rd meeting of SEAC held on 28.04.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. V. Janakiraman has applied for Environmental Clearance for the Proposed Rough stone quarry lease area over an extent of Extent 2.43.0 Ha at SF.No. 53/12B (Part), 53/13, 53/14, 53/15, 53/16, 53/17, 53/23 (Part), 53/24, 53/25A, 53/25B,53/25C, 53/27, 57/1, 57/2, 57/3, 57/4A, 57/4B, 57/5 & 57/9 (Part) of Palayaseevaram B Village, Walajabad Taluk, Kancheepuram 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. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 2,69,317m³ of Rough stone & 36,238 m³ of Gravel to a depth of Mining 35m below ground level.

The proposal is for mining of Rough Stone & Gravel Quarry and the salient features of the proposal are as follows:

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner / Firm	V. Janakiraman, S/o. Venkadesan, No.34/2, Perumal Kovil Street, Deavariyambakkam Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu-631 606.
2.	Type of quarrying	Rough Stone & Gravel Quarry
3.	S.F No. of the quarry site	53/12B (Part), 53/13, 53/14, 53/15, 53/16, 53/17, 53/23 (Part), 53/24, 53/25A, 53/25B, 53/25C, 53/27, 57/1, 57/2, 57/3, 57/4A, 57/4B, 57/5 & 57/9 (Part)
4.	Village in which situated	Palayaseevaram B
5.	Taluk in which situated	Walajabad
6.	District in which situated	Kancheepuram
7.	Extent of Quarry (in ha.)	2.43.0 ha
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast Semi-mechanized mining method.
10.	Production (Quantity in m ³)	2.69,317m ³ of Rough stone & 36,238 m ³ of Gravel
11.	Latitude & Longitude of all corners of the quarry site	12°48'25.18"N to 12°48'30.82"N 79°52'20.80"E to 79°52'31.06"E
12.	Topo sheet No.	57- P/13
13.	Man power requirement per day:	18 Nos
14.	Precise Area Communication Letter approved by the Assistant Director (i/c) with date	Na.Ka.No.366/Q3/2022, Dated: 24.01.2023
15.	Mining plan approved by the Assistant Director (i/c) of Geology & Mining with date	Rc.No.366/Q3/ 2022, Dated: 31.01.2023
16.	AD mines 500m cluster letter by the Assistant	Rc.No.366/Q3/2022, Dated: 31.01.2023


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	Director (i/c) of Geology and Mining with date	
17.	Water requirement: 4. Drinking & domestic purposed 5. Dust Suppression 6. Green Belt	5.75 KLD 2.25 KLD 1.5 KLD 2.0 KLD
18.	Power requirement: c. Domestic purpose d. Industrial purpose	TNEB 2,21,606 Litres of HSD
19.	Depth of Mining	35m BGL
20.	Depth of Water table	50m in rainy & 55m in summer seasons.
21.	Project cost (Excluding EMP)	Rs. 1,14,50,000
22.	EMP cost	Capital cost: Rs. 37,99,155 Recurring cost: Rs. 22,49,544
23.	CER cost	Rs. 5 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the depth of mining up to 35m and the production of 2,69,317 m³ of Rough stone & 36,238 m³ of Gravel. The annual peak production shall not exceed 63,046 m³ of Rough stone and 17,010 m³ of Gravel subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and

Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.

4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
7. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. However, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.



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9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
17. As accepted by the Project proponent the total CER cost is Rs. 5 lakhs out of which Rs. 3 Lakhs shall be spent for the Panchayat Union Middle School, Sankarapuram Village and Rs. 2 Lakhs for Panchayat Union Primary School, Lingapuram Village as committed, before obtaining CTO from TNPCB.


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Agenda No: 373-14
(File No: 9765/2023)

Proposed Rough Stone & Gravel quarry Lease over an extent of 4.81.5 Ha at S.F.No. 187/5, 187/6, 187/7 & 188/4 in Vallakulam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu by M/s. Topvale Plantations Private Limited – For Environmental Clearance. (SIA/TN/MIN/415766/2023 dated. 25.01.2023)

The proposal was placed for appraisal in this 373rd meeting of SEAC held on 28.04.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, **M/s. Topvale Plantations Private Limited** has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry Lease over an extent of 4.81.5 Ha at S.F.No. 187/5, 187/6, 187/7 & 188/4 in Vallakulam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item I(a) "Mining of Minerals Project" of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:


Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	M/s. Topvale Plantations Private Limited, Sri. John Mathew, Managing Director, Karimaranthinal house, Thengumcavu, P.o.Kanni, Pathanamthitta, Kerala State – 689 646.
2	Type of quarrying	Rough Stone and Gravel Quarry
3	S.F No. of the quarry site	187/5, 187/6, 187/7 & 188/4
4	Village in which situated	Vallakulam
5	Taluk in which situated	Srivaikundam


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6	District in which situated	Thoothukudi
7	Extent of quarry (in ha.)	4.81.5 Ha
8	Latitude & Longitude of all corners of the quarry site	08°34'55.25"N to 08°35'04.21"N 77°51'34.23"E to 77°51'42.15"E
9	Topo Sheet No.	58 H/14
10	Type of mining	Opencast Mechanized Mining
11	Lease Period	5 years
12	Period of quarrying proposed	5 years
13	Production (Quantity in m ³)	9,58,710m ³ of Rough Stone & 1,24,236m ³ of Gravel
14	Depth of mining	48m Below Ground Level
15	Depth of water table	85m – 80m
16	Man Power requirement	20 Nos.
17	Water requirement: 1. Domestic & Drinking Purpose 2. Dust suppression 3. Green Belt	2.5 KLD 1.0 KLD 1.0 KLD 0.5 KLD
18	Power requirement	No electricity Required
19	Precise area communication approved by the District Collector, with date	Rc.No.G.M.1/358/2022, dated:06.12.2022.
20	Mining Plan approved by the Assistant Geologist/Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.G.M.1/358/2022, dated:27.12.2022.
21	500m cluster letter issued by the Assistant Geologist/ Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.G.M.1/358/2022, dated:27.12.2022.


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22	VAO certificate regarding habitations in 300m radius	Letter dated:23.12.2022.
23	Project Cost (excluding EMP)	Rs.5,68,96,560/-
24	EMP cost	Capital Cost: Rs.35.80 Lakhs Recurring Cost: Rs.27.58 Lakhs

Based on the presentation and documents furnished by the project proponent, after detailed deliberations, **SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 9,58,710m³ of Rough Stone & 1,24,236m³ of Gravel with maintaining an ultimate depth of 48m Below ground level and the annual peak production of not exceeding 1,92,335m³ of rough stone**, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. **The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 before obtaining the CTO.
3. The PP shall submit the 'Notice of Opening' of the quarry to the Regional Inspector/Director of Mines Safety, Chennai Region under the section 16 of the Mines Act, 1952 and in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone


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of 7.5 / 10 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.

6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
7. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
8. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
9. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
10. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the temple / habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
11. Within six months from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Suitable blast parameters for reducing the cumulative impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarries in the cluster by adopting appropriate controlled blasting techniques', by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
12. The PP shall carry out the scientific studies to assess the slope stability of the working benches and quarry wall within one year of operation whichever is

earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.

13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
17. As accepted by the Project proponent the CER cost is **Rs.12 lakhs** and the amount shall be spent as follows:
 - a) **Rs. 5Lakhs** towards the Panchayat Union Primary School, Puthukulam for the activities as committed, before obtaining CTO from TNPCB.
 - b) **Rs. 7 lakhs** for the conservation measures in Vallanadu Black Buck Sanctuary in consultation with concerned District Forest Officer, before obtaining CTO from TNPCB.

AGENDA No: 373-15

(File No: 9777/2023)

Proposed Rough Stone quarry lease over an extent of – 0.50.0 Ha S.F.No. 919/1A, P.N.Patti Village, Mettur Taluk, Salem District, Tamil Nadu by Thiru.A. Manickam – For Environmental Clearance (SIA/TN/MIN/416066/2023, dated 27.03.2023)

The proposal was placed in 373rd meeting of SEAC held on 28.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.


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The SEAC noted the following:

1. The project proponent, Thiru. A. Manickam has applied seeking Environmental Clearance for the proposed Rough Stone quarry lease over an extent of – 0.50.0 Ha S.F.No. 919/1A, P.N.Patti Village, Mettur 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, as amended.

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

1. Certified compliance report pertaining to the existing quarry from the Competent Authority.
2. The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – Commercial/ industrial/ Residential/ Farm house/ Government building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures-whether it belongs to the PP (or) not, etc.
3. Copy of the NoC for the proposed mining obtained from PWD.
4. Details of existing depth and proposed depth of mining.

On receipt of the same, the subject will be taken up for further deliberation and to decide on future course of action.


Agenda No: 373 - 16

(New File No: 9780/2023)

(Online No: SIA/TN/MIN/415521/2023 Dt. 30.01.2023)

Proposed Rough Stone & gravel Quarry over an extent of 2.44.0 Ha in SF.No. 47/1(P) and 47/2(P) at Echampattu Village, Ambur Taluk, Tirupathur District, Tamil Nadu by Thiru.N.Kumar- For Environmental Clearance .

The proposal was placed in the 253rd SEAC Meeting held on 11.3.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).


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The SEAC noted the following:

1. The Project Proponent, Thiru.N.Kumar has applied for Environmental Clearance for the proposed Rough Stone & gravel Quarry over an extent of 2.44.0 Ha in SF.No. 47/1(P) and 47/2(P) of Echampattu Village, Ambur Taluk, Tirupathur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period of five years & the production should not exceed 1,08,960m³ of Rough Stone, 11,400m³ of Weathered rock & 23,664m³ of Gravel with an ultimate depth of mining is 18m BGL. The annual peak production is 21,950m³ of Rough Stone (5th year) , 4,560m³ of Weathered rock (1st year) & 9,512m³ of Gravel (1st year) .

Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

" ... No quarrying or mining or crushing activities shall be carried out within one kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests".

The Committee noted that the Karappattu Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided **not to recommend the proposal**. Now the proposal was placed in the 373rd SEAC Meeting held on 28.04.2023.

As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,


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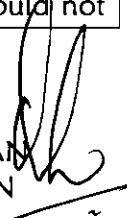
"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

The proposal is near the Karappattu Reserve Forest based on the above said G.O. The Proponent has resubmitted the same proposal on 30.01.2023 with all necessary supporting documents in order to obtain Environmental Clearance.

Description	Old File	New File
File No	8380	9780
Online Proposal No for EC	SIA/TN/MIN/199397/2021, Dated 22.2.2021	SIA/TN/MIN/415521/2023 Dated 30.01.2023


Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru.N.Kumar, S/o.M.Nachamandiri, No.2/123, Melkuppam village, Chinnapallikuppam Post, Vaniyambadi Taluk, Tirupathur District.
2	Type of quarrying	Rough Stone & Gravel
3	S.F No. of the quarry site	47/1(P) and 47/2(P)
4	Village in which situated	Echampattu
5	Taluk in which situated	Ambur
6	District in which situated	Tirupathur
7	Extent of quarry (in ha.)	2.44.0 Ha
8	Latitude & Longitude of all corners of the quarry site	12°44'29.55 "N to 12°44'36.86"N 78°37'26.41"E to 78°37'32.40"E
9	Topo Sheet No.	57-L/10
10	Type of mining	Opencast semi Mechanized Mining
11	Period of current mine plan	5 years
12	Production (Quantity in m ³)	As per the mining plan the lease period is 10 years. The mining plan is for the period of five years &the production should not


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		exceed 108960m ³ of Rough Stone, 11400m ³ of Weathered rock & 23,664m ³ of Gravel with an ultimate depth of mining is 18m BGL. The annual peak production is 21950m ³ of Rough Stone (5 th year) , 4560m ³ of Weathered rock (1 st year) & 9512m ³ of Gravel (1 st year) .
13	Depth of mining	18m Below Ground level
14	Depth of water table	60m BGL
15	Man Power requirement	16 Employees
16	Water requirement: 1. Drinking water & Domestic purpose 2. Dust suppression 3. Green Belt	2.5KLD 1.5 KLD 0.5 KLD 0.5 KLD
17	Power requirement	TNEB -
18	Precise area communication approved by the Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.401/2020(Mines), dated:08.01.2020
19	Mining Plan approved by Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.401/2020(Mines), dated:27.01.2021
20	500mts letter approved by the Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.401/2020(Mines), dated:19.01.2021
21	VAO certificate regarding 300m radius cluster	Letter dated:27.01.2021
22	Project Cost	Rs.58,96,000
23	EMP cost	Rs.194.98 Lakhs
24	CER cost	Rs.5 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 1,08,960m³ of Rough Stone, 11,400m³ of Weathered rock & 23,664m³ of Gravel to a depth of 18m BGL with annual peak production shall not exceed 21,950m³ of Rough Stone, 4,560m³ of Weathered rock & 9,512m³ of Gravel as


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per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions.


1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The Project Proponent shall furnish the conceptual slope stability action plan to the concerned AD (Mines) for the planned working from top to downwards in the hilly terrain (above ground level) by maintaining appropriate benches incorporating the haul road with proper gradient and also to remove the boulder formations in a safe manner, before obtaining CTO from TNPCB.
4. The Project Proponent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as rock breakers, etc.
5. The Project Proponent shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
6. The Project Proponent shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
7. The Project Proponent shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.


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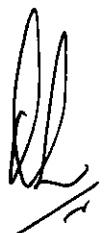
8. The PP shall carry out the comprehensive hydrogeological studies once in two years to monitor the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chennai etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
9. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
10. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
13. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
14. As accepted by the Project proponent the CER cost is Rs.5,00,000 lakhs and the amount shall be spent for the Government Primary School, Melkuppam Village as committed, before obtaining CTO from TNPCB.

Agenda No: 373 -17
(File No: 9794/2023)


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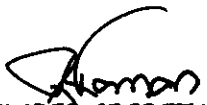
Proposed Earth Quarry over an extent of 2.71.50 Ha in SF.No. 191/2, 197/1, 197/2 & 197/3 at Kanavaipatti Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. R.Ramar- For Environmental Clearance. (SIA/TN/MIN/416447/2023 Dt. 04.02.2023)

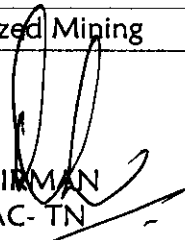
The proposal was placed in the 373rd SEAC Meeting held on 28.04.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. R.Ramar has applied for Environmental Clearance for the Proposed Earth Quarry over an extent of 2.71.50 Ha in SF.No. 191/2, 197/1, 197/2 & 197/3 of Kanavaipatti Village, Andipatti Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 3 years. The mining plan is for the period of three years & the production should not exceed 22016m³ of Earth with an ultimate depth of mining is 1.5m BGL. The annual peak production is 8100m³ of Earth (1st year).

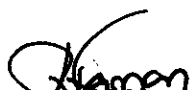
Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru. R Ramar S/o. Ramasamy, No.202, P.R.Nagar, T.Kallupatti, Peraiyar Taluk, Madurai District, TamilNadu-625702
2	Type of quarrying	Earth
3	S.F No. of the quarry site	191/2, 197/1, 197/2 & 197/3
4	Village in which situated	Kanavaipatti
5	Taluk in which situated	Andipatti
6	District in which situated	Theni
7	Extent of quarry (in ha.)	2.71.50 Ha
8	Latitude & Longitude of all corners of the quarry site	09°54'26.44 "N to 09°54'33.58"N 77°34'9.15"E to 77°34'16.37"E
9	Topo Sheet No.	58-G/09
10	Type of mining	Opencast semi Mechanized Mining


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11	Period of current mine plan	3 years
12	Production (Quantity in m ³)	As per the mining plan the lease period is 3 years. The mining plan is for the period of three years & the production should not exceed 22016m ³ of Earth with an ultimate depth of mining is 1.5m BGL for 3 years. The annual peak production is 8100m ³ of Earth (1 st year).
13	Depth of mining	1.5m Below Ground level
14	Depth of water table	25m BGL
15	Man Power requirement	7 Employees
16	Water requirement: 1. Drinking water & Domestic purpose 2. Dust suppression 3. Green Belt	2.0 KLD 0.5 KLD 1.0 KLD 0.5 KLD
17	Power requirement	TNEB
18	Precise area communication approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.345/Mines/2018, dated:30.05.2019
19	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	Rc.No.345/Mines/2018, dated:24.01.2023
20	500mts letter approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.345/Mines/2018, dated:24.01.2023
21	VAO certificate regarding 300m radius cluster	Letter dated:05.01.2023
22	Project Cost	Rs.15,59,000
23	EMP cost	Rs.16.77 Lakhs
24	CER cost	Rs.2 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 22016m³ of Earth not exceeding the annual peak production of 8100m³ of Earth with maintaining an ultimate pit depth of 1.5m BGL subject to the**



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

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952.
3. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Trichy.
4. The Project Proponent shall develop the Green belt activities (tree plantations of two to three rows) in the safety zone as stipulated in the Mining Plan around the periphery of the proposed quarry lease before obtaining the CTO from the TNPCB.
5. The Project Proponent shall not carry out blasting operations.
6. The Project Proponent shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
7. The PP shall ensure that the transport vehicles used in the quarry are adequately covered with tarpaulin before it is allowed to enter into the adjacent village panchayat road.
8. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.


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9. The Project Proponent shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
10. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
11. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
12. 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.
13. As accepted by the Project proponent the CER cost is Rs.1,00,000 lakh and the amount shall be spent for the Government Higher Secondary School, S.Kathirnarasingapuram Village as committed, before obtaining CTO from TNPCB.
14. As accepted by the Project Proponent Rs.1 lakh shall be remitted to Deputy Director, Megamalai sanctuary and the amount shall be spent for doing conservation activities in the Ecological Sensitive area before obtaining CTO from TNPCB.

Agenda No: 373-18

(File No: 9760/2023)

Proposed Rough Stone Quarry lease over an extent of extent of 2.54.0 Ha at S.F.No.11/1, 11/2, 11/3, 11/4, 11/5, 11/7, 11/8, 11/9 & 11/10 of Panampatti Village, Illuppur Taluk, Pudukottai District, Tamil Nadu by Thiru.B.Kajamaideen- for Environmental Clearance. (SIA/TN/MIN/415330/2023, dt: 23.01.2023)

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. 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.B.Kajamaideen has applied for Environmental Clearance for the Proposed rough Stone Quarry lease over an extent of extent


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of 2.54.0 Ha at S.F.No.11/1, 11/2, 11/3, 11/4, 11/5, 11/7, 11/8, 11/9 & 11/10 of Panampatti Village, Illuppur Taluk, Pudukottai 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 precise area communication/lease is issued for the period of 10 Years. The approved mining plan is for the period of 5 years & production should not exceed 317875m³ of Rough Stone, 39674 m³ of Gravel and 37390 m³ of Weathered rock. The Annual peak production 87925m³ of Rough Stone (1st year), 39674 m³ of Gravel (1st year) and 37390 m³ of Weathered rock (1st year). The ultimate depth of mining is 29m BGL.

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner/Firm	Thiru. B. Kajamaideen, S/o. Bahurdeen, No. 215, Kallar Street, Thiruvapoor, Pudukkottai District - 622 003.
2.	Type of quarrying	Rough Stone and Gravel
3.	S.F No. of the quarry site	11/1, 11/2, 11/3, 11/4, 11/5, 11/7, 11/8, 11/9 & 11/10
4.	Village in which situated	Panampatti
5.	Taluk in which situated	Illuppur
6.	District in which situated	Pudukkottai
7.	Extent of quarry (in ha.)	2.54.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	10°26'24.4321"N to 10°26'22.7835"N 78°45'59.6449"E to 78°45'51.7016"E
9.	Topo Sheet No.	58-J/15
10.	Type of mining	Opencast Mechanized Mining
11.	Period of current mine plan	5 Years
12.	Production (Quantity in m ³)	317875m ³ of Rough Stone, 39674 m ³ of Gravel and 37390 m ³ of Weathered rock
13.	Depth of mining	29m BGL
14.	Depth of water table	65m to 68m BGL
15.	Man Power requirement	18Nos
16.	Water requirement: 1. Domestic & Flushing 2. Dust suppression	2.0 KLD 1.0 KLD 0.5 KLD

	3. Green Belt	0.5 KLD
17.	Power requirement a. Domestic purpose b. Industrial Purpose	TNEB 2,60,916 Liters of HSD
18.	Precise area communication approved by the Assistant Director, Dept. of Geology and Mining with date	Rc.No.84/2022 (G&M), Dated: 22.11.2022
19.	Mining Plan approved by the Assistant Director, Dept. of Geology and Mining with date	Rc.No.84/2022 (G&M), Dated: 14.12.2022
20.	500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining with date	Rc.No.84/2022 (G&M), Dated: 14.12.2022
21.	VAO certificate regarding habitations in 300m radius	Letter dated 28.12.2022
22.	Project Cost (excluding EMP)	Rs. 52,90,000/-
23.	EMP cost	Rs. 27,72,080/-
24.	CER cost	Rs. 5,00,000/-

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 quantity of production should not exceed 317875m³ of Rough Stone, 39674 m³ of Gravel and 37390 m³ of Weathered rock. The Annual peak production 87925m³ of Rough Stone (1st year), 39674 m³ of Gravel (1st year) and 37390 m³ of Weathered rock (1st year). The ultimate depth of mining is 29m BGL, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier **vide MoEF & CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under


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

3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The blasting operation shall be carried out in the presence of the Project proponent only.
5. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Initial & Refresher' training accordingly under Mines Vocational Training Rules 1961 in the DGMS approved Group Vocational Training Centre, Trichy before obtaining the CTO from the TNPCB.
6. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and **shall furnish the photographs showing the same before obtaining the CTO from TNPCB.**
7. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
8. **The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.**
9. The Project Proponent (PP) shall submit a 'Slope stability action plan' for the existing quarry incorporating the haul road within the permissible gradient keeping the benches intact with proper geometry after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
10. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries. Only controlled blasting will be permitted.
11. Since few structures are located within 500 m from the lease boundary, the PP shall carry out only one round of controlled blast only per day, restricted to the

maximum of 40 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 10 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

12. However, within six months from the commencement of mining operations after obtaining prior permission from the DMS/Chennai Region, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around


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- the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
17. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
 18. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
 19. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
 20. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
 21. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government High School, Maruthanthalai, Pudukottai as committed, before obtaining CTO from TNPCB.

Agenda No: 373-19


(File No: 9774/2023)

Proposed Rough Stone Quarry lease over an extent of 1.37.0ha S.F.Nos.261/3A & 261/4 (Part)Thenkodipakkam Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru. P. Balakrishnan – for Environmental Clearance. (SIA/TN/MIN/415865/2023, dt: 28.01.2023)

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. 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. P. Balakrishnan has applied for Environmental Clearance for the Proposed Rough Stone Quarry lease over an extent of 1.37.0ha S.F.Nos. 261/3A & 261/4 (Part) Thenkodipakkam Village, Vanur Taluk, Viluppuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B2” of Item 1(a)


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“Mining Projects” of the Schedule to the EIA Notification, 2006.

3. The precise area communication/lease is issued for the period of 10 Years. The approved mining plan is for the period of 5 years & production should not exceed 66912m³ of Rough Stone, 17208 m³ of Gravel. The Annual peak production 17384m³ of Rough stone. The ultimate depth of mining is 20m BGL.(1st five year 15m BGL)

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner/Firm	Thiru. P. Balakrishnan, S/o. Periyasamy, K.K.Nagar, 11 th Sector, No.76/10, 83, RD Street, Kalaingar Karunanidhi Nagar, Chennai - 600 078.
2.	Type of quarrying	Rough Stone and Gravel
3.	S.F No. of the quarry site	261/3A & 261/4 (Part)
4.	Village in which situated	Thenkodipakkam
5.	Taluk in which situated	Vanur
6.	District in which situated	Viluppuram
7.	Extent of quarry (in ha.)	1.37.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	12°8'33.08"N to 12°8'38.26"N 79°43'25.58"E to 79°43'32.75"E
9.	Topo Sheet No.	57-P/12
10.	Type of mining	Opencast Semi Mechanized Mining
11.	Period of current mine plan	5 Years
12.	Production (Quantity in m ³)	66,912 m ³ of Rough Stone and 17,208 m ³ of Gravel
13.	Depth of mining	15m BGL (2m Gravel + 13m Rough Stone)
14.	Depth of water table	45m to 40m BGL
15.	Man Power requirement	14Nos
16.	Water requirement: 4. Domestic & Flushing 5. Dust suppression 6. Green Belt	4.0 KLD 1.4 KLD 1.5 KLD 1.1 KLD
17.	Power requirement c. Domestic purpose d. Industrial Purpose	TNEB 56,406 Liters of HSD


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18.	Precise area communication approved by the Deputy Director, Dept. of Geology and Mining with date	Rc.No.B/G&M/161/2022, Dated: 15.12.2022
19.	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with date	Rc.No.B/G&M/161/2022, Dated: 05.01.2023
20.	500m cluster letter issued by the Deputy Director, Dept. of Geology and Mining with date	Rc.No.B/G&M/161/2022, Dated: 05.01.2023
21.	VAO certificate regarding habitations in 300m radius	Letter dated 23.01.2023
22.	Project Cost (excluding EMP)	Rs. 46,32,750/-
23.	EMP cost	Rs. 98,29,305/-
24.	CER cost	Rs. 5,00,000/-

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 quantity of production should not exceed 66912m³ of Rough Stone, 17208 m³ of Gravel. The Annual peak production 17384m³ of Rough stone. The ultimate depth of mining is 20m BGL.(1st five year 15m BGL)and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


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Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.

4. The blasting operation shall be carried out in the presence of the Project proponent only.
5. The PP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Initial & Refresher' training accordingly under Mines Vocational Training Rules 1961 in the DGMS approved Group Vocational Training Centre, Trichy before obtaining the CTO from the TNPCB.
6. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and **shall furnish the photographs showing the same before obtaining the CTO** from TNPCB.
7. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
8. **The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.**
9. The Project Proponent (PP) shall submit a 'Slope stability action plan' for the existing quarry incorporating the haul road within the permissible gradient keeping the benches intact with proper geometry after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
10. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries. Only controlled blasting will be permitted.
11. Since few structures are located within 500 m from the lease boundary, the PP shall carry out only one round of controlled blast only per day, restricted to the maximum of 40 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 10 m


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from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

12. However, within six months from the commencement of mining operations after obtaining prior permission from the DMS/Chennai Region, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
13. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
14. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.

17. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
18. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
19. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
20. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
21. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakhs** and the amount shall be spent for the Govt. HrSec. School, Thenkodipakkam as committed, before obtaining CTO from TNPCB.

Agenda No: 373-20

(File No: 9781/2023)

Proposed Rough Stone Quarry lease over an extent of 0.64.5ha of Patta land in S.F.No. 140/1 & 141/2 of Moolakkadu Village, Mettur Taluk, Salem District, Tamil Nadu by ThiruM.P.Shanmugharaja– for Environmental Clearance. (SIA/TN/MIN/416440/2023, dt: 31.01.2023)

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. 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, ThiruM.P.Shanmugharaja has applied for Environmental Clearance for the Proposed Rough Stone Quarry lease over an extent of 0.64.5ha of Patta land in S.F.No. 140/1 & 141/2 of Moolakkadu Village, Mettur 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 precise area communication/lease is issued for the period of 5 Years. The approved mining plan is for the period of 5 years & production should not


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exceed 26760m³ of Rough Stone. The Annual peak production 6105m³ of Rough stone. The ultimate depth of mining is 16m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC noted that the proposed site is in an ecologically sensitive area. It is surrounded by the Palamali RF on three sides and the fourth side is very close to Mettur dam. Therefore, SEAC decided **not to recommend** the proposal for the grant of Environmental Clearance.

Agenda No: 373-21

(File No: 9788/2020)

Proposed Rough Stone quarry lease area over an extent of 1.70.0Ha at S.F.Nos.529 (P), 530/1 & 530/2, Thorappalli Agraharam village, Hosur Taluk, Krishnagiri District, Tamil Nadu by M/s. XEC Blue Metals - For Environmental Clearance. (SIA/TN/MIN/416197/2023, dated: 31.1.2023).

The proposal was placed in 373rd SEAC meeting held on 28.04.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s.XEC Blue Metals, has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.70.0Ha at S.F.Nos. 529 (P), 530/1 & 530/2, Thorappalli Agraharam village, Hosur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Agenda No: 373 - 22

(File No: 4793/2018)

Existing Grey Granite (Paradiso) Mine Lease over an extent of 1.21.0 Ha at S.F.No. 438 (part) in Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Tmt.S. Naseera – For Environmental Clearance (SIA/TN/MIN/37047/2015 dated 30.12.2015)

The proposal is placed in this 373rd meeting of SEAC held on 28.04.2023. The details of the project are available in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, **Tmt.S. Naseera** has applied for Environmental Clearance for the Existing Grey Granite (Paradiso) Mine Lease over an extent of 1.21.0 Ha at S.F.No. 438 (part) in Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proponent's request to extend the validity of ToR issued under violation category vide Lr.No.SEIAA-TN/F.No.4793/ToR-477/2018 dated.07.06.2018 was placed in the 308th meeting of SEAC held on 01.09.2022.

During the presentation the proponent replied as follows:

"We have submitted the application seeking Terms of Reference for Environmental Clearance for the existing Grey Granite (Paradiso) quarry over an extent of 1.21.0 Ha in S.F.Nos.438 (Part) at Jagadevipalayam village of Krishnagiri Taluk, Krishnagiri District under violation category.

As per the National Green Tribunal, Southern Zone, Chennai Original application no.136/2017 (SZ), dated.30.06.2020, our quarry lease does not attract violation and 100% cost penalty, the lease may be as normal application.

Hence, we would like to withdraw the above-mentioned proposals and also we have withdrawn the Terms of Reference online proposal no.SIA/TN/MIN/27188/2018 dated on 11.09.2017 and Terms of Reference online proposal no.SIA/TN/MIN/23825/2018 dated on 07.04.2018, Online Proposal No.SIA/TN/MIN/211252/2021 dated 30.07.2021 (terms of reference) – TOR Extension and Online Proposal No.SIA/TN/MIN/269653/2022 dated.26.04.2022 (terms of reference) – TOR Extension and kindly consider the same.

We would like to withdraw the above-mentioned proposals which was submitted to SEIAA"

The Committee after detailed discussions, considered the reasons specified by the PP and decided that SEIAA may accept the TOR 'withdrawal request' of the proponent.


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4. Subsequently, the proponent's proposal for Environmental Clearance was placed in the 359th meeting of SEAC held on 02.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein.
5. Subsequently, the proposal was placed in 605th meeting of authority held on 28.03.2023. The Authority during deliberations, noted the following:
1. From the letter dated.20.02.2023 issued by Commissioner, Department of Geology & Mining, the following were ascertained:
 - i) The proponent vide letter dated.09.12.2010 has obtained approval from the Commissioner of G&M for quarrying in the subject area and the lease was executed on 28.02.2011.
 - ii) During the submission of the next scheme of mining by the proponent, it was noted the lessee has not obtained the Environmental Clearance but has obtained transport permit during the violation period from 15.01.2016 to 10.01.2017.
 - iii) Hence, as per the Hon'ble Supreme Court of India's order dated.02.08.2017 & letter dated.20.08.2018 from Director of G&M, the proponent was directed to remit 100% cost of the mineral lifted without EC for the violation period from 15.01.2016 to 10.01.2017. Accordingly, a demand notice was issued by District Collector vide demand notice dated.19.02.2020 with a tune of Rs.82,78,006/- for transportation of 374.828cbm of coloured granite, which was transported in the violation period.
 - iv) Accordingly, the lessee filed WP against the above demand notice before the Hon'ble High Court of Madras WMP.No.24608/2022 in W.P.No.25607/2022 at the High Court and in its order dated.23.09.2022 has granted an interim stay. The case is yet to be disposed of.
 - v) Now, the proponent has submitted 2nd scheme of mining, and the same was approved by the Dept. of G&M.
 2. From the SEIAA office records, the following were ascertained:

- i) The proponent has submitted his first application seeking Environmental Clearance for the existing grey granite quarry vide online application number SIA/TN/MIN/37047/2015 dated.30.12.2015.
- ii) Later, as per the MoEF&CC's Notification S.O.804 (E) dated.14.03.2017, S.O.1030 (E) dated.08.03.2018 & O.M dated.15.03.2018 & 16.03.2018, the proposal was processed and ToR under violation was accorded to the proponent vide Lr.No.SEIAA-TN/F.No.4793/ToR-477/2018, dated.07.06.2018, since quarrying operations were carried out after 15.01.2016 without obtaining EC.
- iii) Further, the proponent has submitted an application seeking an extension of validity in the Terms of Reference dated.07.06.2018 issued earlier, vide proposal number SIA/TN/MIN/269653/2022 dated 26.04.2022.

This extension application was placed for appraisal during 308th SEAC meeting held on 01.09.2022. During the presentation, the proponent stated that he is a non-violator as per the National Green Tribunal, Southern Zone, Chennai Original application no.136/2017 (SZ), dated.30.06.2020 since his application for Environmental Clearance was submitted before 31.03.2016 and hence proposed to withdraw the ToR applications submitted and also requested to process the EC application SIA/TN/MIN/37047/2015 dated.30.12.2015 under normal category.

The Committee decided that SEIAA may accept the TOR 'withdrawal request' of the proponent. The authority decided to accept the withdrawal request of the proponent after obtaining the letter/details from AD mines.

Subsequently, the proposal was recommended for Environmental Clearance in the 359th SEAC meeting held on 02.03.2023 subject to the condition stated therein.

In this regard, the authority noted that:

- i) As per MoEF&CC's O.M dated.07.07.2021,

"Violation" means cases where projects have either started the construction work or installation or excavation, whichever is earlier on-


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site or have expanded the production capacity and/or project area beyond the limit specified in the Environmental Clearance (prior EC) without obtaining prior-EC or change of scope without prior approval from the Ministry”.

In the present case, as per the letter dated.20.02.2023 issued by Commissioner, Department of Geology & Mining, the Proponent has carried out quarrying operations post 15.01.2016 without obtaining prior EC violating the provisions of EIA Notification, 2006, as amended.

- ii) Also, as per the clarification letter dated.03.04.2017 issued by MoEF&CC to Principal Secretary of Industries Department, Chennai, regarding the requirement of EC for major Minerals below 5 Hectare,

“.... All the mining leases. (major mineral as well as minor minerals) operating in the country are required to obtain Environmental Clearance (EC) after 15.01.2016 as per the provisions contained in Environmental Impact Assessment Notification, 2006 as amended. Further, no mining lease shall operate without prior EC and all such mines (including less than 5 Hectares) which were in operation before 15.01.2016 are required to stop their mining activity and apply to MoEF&CC at Central Level/State Environment Impact Assessment Agency at State Level/ District Environment Impact Assessment Agency at District Level for seeking EC. The mine leases continue to operate without obtaining EC after 15.01.2016 shall be considered as violation cases and the same shall be dealt in accordance with the violation policy under Environment Impact Assessment Notification, 2006 as amended...”

In the present case, though the proponent has filed an application for obtaining Environmental Clearance before 31.03.2016 and claims that he is a non-violator as per the NGT order dated. 03.06.2020, from the letter of Commissioner, G&M, dated. 20.02.2023, it is ascertained that he did not stop the quarrying operations and has continued quarrying during the period from 15.01.2016 to 10.01.2017, i.e. the proponent has continued the quarrying operations while the EC application filed by him

was under process.

- iii) Therefore, it appears that the proponent has continued to violate the provisions of EIA Notification 2006, as amended, till 10.01.2017 without obtaining EC.

In view of the above, the authority after detailed deliberations decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its remarks to take further course of action.

6. In view of the above, the proposal is again placed in this **373rd meeting of SEAC held on 28.04.2023.**

During the meeting, the Committee after detailed deliberations, decided to defer the proposal and take up again for discussion in the ensuing meeting.

Agenda No: 373 - 23

(File No: 7159/2019)

Proposed Rough Stone, Jelly & Gravel quarry Lease over an extent of 1.46.5 Ha at S.F.No. 1040/5, 1041/1, 1041/2, 1041/3 & 1041/4 in Sevalkulam Village, Tiruvengadam Taluk, Tirunelveli District, Tamil Nadu by Thiru. C. Jagadeesan – For Environmental Clearance (SIA/TN/MIN/42577/2019 dated 03.12.2020)

The proposal is placed in this 373rd meeting of SEAC held on 28.04.2023. The details of the project are available in the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, Thiru. C. Jagadeesan has applied for Environmental Clearance for the Proposed Rough Stone, Jelly & Gravel quarry Lease over an extent of 1.46.5 Ha at S.F.No. 1040/5, 1041/1, 1041/2 1041/3 & 1041/4 in Sevalkulam Village, Tiruvengadam Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed in the 201st, 259th, 285th& 357th meeting of SEAC held on 12.02.2021, 31.03.2022, 16.06.2022 & 23.02.2023 respectively. During the 201st, 259th& 285th meetings, the proposal was deferred for the reasons mentioned in the respective minutes. In the 357th meeting of SEAC, Based on the presentation and documents furnished by the project proponent, SEAC decided


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to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein.

4. Subsequently, the proposal was placed in 603rd meeting of authority held on 20.03.2023 & 21.03.2023. The Authority during deliberations, noted the following:
 3. Earlier, The PP had obtained the lease to operate quarry from 2012 to 2017. The PP has submitted his application for grant of environment clearance to the State Environment Impact Assessment Authority (SEIAA) as per the then requirements, on 24.12.2015. Subsequently, the proposal was transferred to DEIAA when it was constituted by the law on 09.03.2017 as per the directions of MoEF& CC and the application was under process.
 4. However, the quarrying operation in the project area was stopped only on or after 07.11.2016 which indicates that the proponent has carried out mining without obtaining prior Environmental Clearance even **after 31.03.2016**. The last permit obtained from the Deputy Director of Geology and Mining, Tirunelveli was on 07.11.2016.
 5. Also, The PP was issued a Memorandum (Ref: Na.Ka.No.M1/2929-2/2019 dated 20.08.2019) based on the recommendations of Assistant Director (i/c), Geology & Mining Department, Tenkasi stating that the PP has continued to operate the quarry after 15.01.2016 till 10.01.2017 **without obtaining EC**, which is considered as violation case and dealt the case in accordance with the violation policy under EIA Notification 2006 dated 15th January, 2016 as amended under the Environment (Protection) Act, 1986, and asked the PP to pay a sum of Rs.12, 23,196/- for unlawfully quarrying an amount of 3804 cbm of minerals between **15.01.2016 to 10.01.2017**.
 6. The PP has approached the Hon'ble High Court of Madras, Madurai Bench against the above order and obtained an interim stay WMP(MD) Nos. 19010 of 2019 and WP(MD) Nos.22237 of 2019 dated:21.10.2019. The main Writ Petition is yet to be disposed of.
 7. However, the PP had applied with a **new file** once again in 2019 for the same quarry site. Now the PP is requesting for EC for the same leasehold area involved

earlier in violation with fresh mining plan.

8. The Joint Director/ Assistant Director (i/c), (Geology & Mining) vide his Lr.No.Rc.No.M1/33562/2016, dated.31.10.2020 has indicated that the penalty amount of a sum of Rs.12,23,196.00 is yet to be paid towards the quarrying of mineral carried out from 15.01.2016 to 10.01.2017 by the PP without EC.
9. The PP during the 285th SEAC meeting has stated that the application for grant of Environment Clearance submitted to the District Environment Impact Assessment Authority (DEIAA) on 24.12.2015 satisfy the subsequent order of the National Green Tribunal, Southern Zone, Chennai, by order dated 03.06.2020 in Original Application No.136 of 2017 (SZ) filed by Tamil Nadu Small Mine Owners Federation which have issued the following directions:

“The applications which are pending as on 31.03.2016 for Environment Clearance have to be treated as normal applications and not violation applications and the authorities are directed to dispose of those applications in accordance with law. The persons, who have not filed applications on or before 31.03.2016 and filed thereafter, can be treated as violation applications and the MoEF&CC/SEIAA is directed to dispose of those applications as violation cases in accordance with law.”

In this regard, the authority noted that:

- iv) As per MoEF&CC's O.M dated.07.07.2021,
“ “Violation” means cases where projects have either started the construction work or installation or excavation, whichever is earlier, on-site or have expanded the production capacity and/or project area beyond the limit specified in the Environmental Clearance (prior EC) without obtaining prior-EC or change of scope without prior approval from the Ministry”.
In the present case, the Proponent has carried out quarrying operations post 15.01.2016 without obtaining prior EC violating the provisions of EIA Notification, 2006, as amended.
- v) Also, as per the clarification letter dated.03.04.2017 issued by MoEF&CC to Principal Secretary of Industries Department, Chennai, regarding the requirement of EC for major Minerals below 5 Hectare,


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".... All the mining leases (major mineral as well as minor minerals) operating in the country are required to obtain Environmental Clearance (EC) after 15.01.2016 as per the provisions contained in Environmental Impact Assessment Notification, 2006 as amended. Further, no mining lease shall operate without prior EC and all such mines (including less than 5 Hectares) which were in operation before 15.01.2016 are required to stop their mining activity and apply to MoEF&CC at Central Level/State Environment Impact Assessment Agency at State Level/ District Environment Impact Assessment Agency at District Level for seeking EC. The mine leases continue to operate without obtaining EC after 15.01.2016 shall be considered as violation cases and the same shall be dealt in accordance with the violation policy under Environment Impact Assessment Notification, 2006 as amended..."

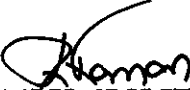
In the present case, though the proponent has filed an application for obtaining Environmental Clearance even before 31.03.2016 and claims that he is a non-violator as per NGT order dated. 03.06.2020, he did not stop the quarrying operations till 07.11.2016 as per the letter from G&M Dept. dated. 31.10.2016 mentioned above, i.e, the proponent has continued the quarrying operations while the EC application filed by him was under process.


- vi) Therefore, it appears that the proponent has continued to violate the provisions of EIA Notification 2006, as amended, till 07.11.2016 without obtaining EC.

In view of the above, the authority after detailed deliberations decided to refer back the proposal to SEAC to examine the above mentioned points and furnish its remarks to take further course of action.

In view of the above, the proposal is again placed in this **373rd meeting of SEAC held on 28.04.2023**. During the meeting, the Committee after detailed deliberations, decided to defer the proposal and take up again for discussion in the ensuing meeting.

Agenda No: 373 - 24
(File No.7439/2020)


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Proposed Earth Quarry lease over an Extent of 3.64.5 Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkazhi Taluk, Mayiladuthurai (Formerly Nagapattinam) District, Tamil Nadu by Thiru. V. Senthamilseran – For Environmental clearance (SIA/TN/MIN/142135/2020, dated: 10.02.2020)

The proposal is placed in this 373rd meeting of SEAC held on 28.04.2023. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Thiru. V. Senthamilseran, has applied for Environmental Clearance for the Proposed Earth Quarry lease over an Extent of 3.64.5 Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkazhi Taluk, Mayiladuthurai (Formerly Nagapattinam) 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 for appraisal in the 159th, 209th, 298th & 359th meeting of SEAC. During the 159th, 209th & 298th meetings, the proposal was deferred for the reasons stated therein. In the 359th meeting of SEAC held on 02.03.2023, Based on the presentation and details furnished by the project proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance subject to the conditions stated therein.
4. Subsequently, the proposal was placed in 605th meeting of authority held on 28.03.2023. The Authority, during deliberations, noted the following:
 - i) The KML file is not available in the PARIVESH Portal and hence the site boundary and site conditions could not be ascertained.
 - ii) From the latitude & longitude co-ordinates provided in the proposal by the proponent, it is ascertained from the satellite imagery that the project area consists of dense vegetation presumably with trees. It shall be ascertained whether the trees are numbered and where and how they are proposed to be transplanted.
 - iii) The recommended earth removal of 60,860m³ will lead to a tremendous loss of basic organic matter, vegetation, nutrients, and soil fertility. Therefore,


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the project proponent may be asked to do a soil fertility test to understand the bulk density, porosity, nutrient content such as N, P, K and also micro nutrients of the proposed site, to ascertain the site's capacity for agriculture and horticulture.

- iv) The area around the project site appears to be agricultural fields and hence the proposed removal of earth up to 2m will impact the agricultural activities going on around the site resulting in poor productivity in those fields. Moreover, 3.64.5 Ha is a large area for earth removal. Some of the impacts envisaged are decreased productivity, loss of earthworms, loss of microbial activity and loss of soil properties.

The use of machineries for soil removal will result in compaction of the soil and will change the land use pattern, soil structure, properties and quality of soil like filtering and buffering abilities. It will affect the crop yield in the neighbouring fields and change the local agriculture scenario. Such agricultural fields should be best avoided from soil removal as the quantity of removal envisaged is a huge quantity.

Further, such a huge quantity of soil removal will result in erosion and impact the biodiversity, soil, groundwater, and also surface water flow. It is sure to alter the soil profile, contaminate the local water bodies, wetlands and working for 2 years will also result in dust and noise pollution. For these reasons, fragile areas like these should be prevented from earth removal as far as possible. In this regard, the proponent may be asked to do detailed soil studies to ascertain if the soil is fit for cultivation before such earth removal is recommended.

Hence, in view of the above, the Committee shall examine the above-mentioned points and furnish its recommendations to SEIAA on whether the proposal may be considered for quarrying keeping sustainable mining in view.

5. In view of the above, the proposal is again placed in this **373rd meeting of SEAC held on 28.04.2023.**


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The proponent gave re-presentation. The Committee carefully examined the queries raised by SEIAA and the reply furnished by the proponent. Based on the presentation and details furnished by the project proponent, the Committee decided to obtain the following additional particulars from the proponent:

- i) A sworn affidavit from the proponent stating that the project site will be used only for agriculture/horticulture purposes after the proposed removal of earth.
- ii) The KML file shall be re-uploaded in the PARIVESH Portal in proper viewable format.


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ANNEXURE-I

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.


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7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned Regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

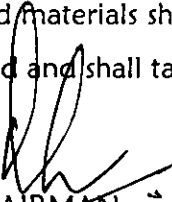

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13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary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


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adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

18. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
19. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
20. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
21. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
22. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the



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Project Proponent liable for legal action in accordance with Environment and Mining Laws.

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


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Appendix - I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbeck</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீரு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்புலக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயில்
27	<i>Lannea coromandelica</i>	Odhiam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limoma acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	அரம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழமரம்
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

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40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaiipoovarasu	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	மனிப்புங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசாகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தான்றி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேண் மருது
57	<i>Toona ciliate</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	புவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்புளி


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

-----சுரங்கம்

சுரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகனம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	சுவாரியின் எல்லைமையச் சுற்றி வேலி அமைக்க வேண்டும் சுரங்கப்பாதையின் ஆழம் தளமட்டத்திலிருந்து.....மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். சுற்றுநிலை மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு பராமரிக்கப்படவேண்டிய மரங்கள் எண்ணிக்கை.	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வளிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவையும் தூசி மாகபாட்டையும் சூறையாதற்காக சுவாரியின் எல்லைமைய சுற்றி அடர்த்தியான பகனம் பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுரங்க பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உள்விப்பாக செயல்படுத்தப்பட வேண்டும்	
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபிபிஎஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்காதாரமுள்ள வழிப்பறை வசதிகளை செய்ய தர வேண்டும்.	
கிராம அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைமைய தொடர்ந்து தனக்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அசூகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்தலைகள் பாதிக்கப்படக் கூடாது.	
தீர்தலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் தலத்தூ தீரின் தாத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்லுது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்கமூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய துவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகனம்பகுதியை உருவாக்க வேண்டும்.	
(முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in) என்சிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டாள அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்	


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