

**State Expert Appraisal Committee (SEAC)**

**Minutes of 372<sup>nd</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 27.04.2023(Thursday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects**

Agenda No: 372-01


(File No: 9732/2023)

Proposed Rough Stone Quarry lease over an extent of 4.42.5ha S.F.Nos. S.F.Nos.430/1, 430/4, 430/5, 430/6A, 430/6B, 430/6C, 430/9A, 430/10A, 430/10B, 430/11, 430/12, 430/13, 430/14, 430/15, 429/3C, 429/3D1, 429/3D2, 429/3D3, 423/1A, 423/1B & 423/1D Kuvalaikkanni Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu . by Thiru Inbarajan Suraj – for Environmental Clearance. (SIA/TN/MIN/414306/2023, dt: 12.01.2023)

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. 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 Inbarajan Suraj has applied for Environmental Clearance for the Rough Stone Quarry lease over an extent of 4.42.5ha S.F.Nos. S.F.Nos.430/1, 430/4, 430/5, 430/6A, 430/6B, 430/6C, 430/9A, 430/10A, 430/10B, 430/11, 430/12, 430/13, 430/14, 430/15, 429/3C, 429/3D1, 429/3D2, 429/3D3, 423/1A, 423/1B & 423/1D Kuvalaikkanni Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication/lease is issued for the period of 10 Years. The approved mining plan is for the period of 10 years & production should not exceed 11,31039m<sup>3</sup> of Rough Stone, 81606 m<sup>3</sup> of Gravel. The Annual peak production 126448m<sup>3</sup> (6<sup>th</sup> year) of Rough stone & 32822m<sup>3</sup> of Gravel (1<sup>st</sup> year). The ultimate 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. I. Suraj, S/o. G. Inbarajan, No.4/21-C, Sri Ram Nagar, Ponnagaram, Rajapalayam, Virudhunagar District - 626 108.
2.	Type of quarrying	Rough Stone and Gravel
3.	S.F No. of the quarry site	430/1, 430/4, 430/5, 430/6A, 430/6B, 430/6C, 430/9A, 430/10A, 430/10B, 430/11, 430/12, 430/13, 430/14, 430/15, 429/3C, 429/3D1, 429/3D2, 429/3D3, 423/1A, 423/1B & 423/1D
4.	Village in which situated	Kuvalaikkanni
5.	Taluk in which situated	Sankarankovil
6.	District in which situated	Tenkasi
7.	Extent of quarry (in ha.)	4.42.5 Ha
8.	Latitude & Longitude of all corners of the quarry site	09°14'52.24"N to 09°14'59.00"N 77°30'47.61"E to 77°30'58.88"E
9.	Topo Sheet No.	58-G/12
10.	Type of mining	Opencast Mechanized Mining
11.	Period of current mine plan	5 Years
12.	Production (Quantity in m <sup>3</sup> )	5,68,653 m <sup>3</sup> of Rough Stone and 81,606 m <sup>3</sup> of Gravel
13.	Depth of mining	45m BGL (2m Gravel + 43m Rough Stone)
14.	Depth of water table	68m to 65m (BGL)
15.	Man Power requirement	60 Nos
16.	Water requirement:	2.7 KLD
	1. Domestic & Flushing	0.8 KLD
	2. Dust suppression	1.0 KLD
	3. Green Belt	0.9 KLD
17.	Power requirement	
	a. Domestic purpose	TNEB
	b. Industrial Purpose	4,68,528 Liters of HSD
18.	Precise area communication approved by the Assistant Geologist / Assistant Director (i/c), Dept. of Geology and Mining with date	Roc.No.M1/29485/2022, Dated:15.12.2022

  
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19.	Mining Plan approved by the Assistant Geologist / Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.MI/29485/2022 Dated: 23.12.2022
20.	500m cluster letter issued by the Assistant Geologist / Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.MI/29485/2022 Dated: 23.12.2022
21.	VAO certificate regarding habitations in 300m radius	Letter dated 21.12.2022
22.	Project Cost (excluding EMP)	Rs. 89,76,000/-
23.	EMP cost	Capital Cost – Rs. 40,04,750/- Recurring Cost – Rs. 42,99,651/-
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 11.31039 m<sup>3</sup> of Rough Stone, 81606 m<sup>3</sup> .The Annual peak production 126448m<sup>3</sup> (6th year) of Rough stone & 32822m<sup>3</sup> of Gravel (1st year). The ultimate depth of mining is 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.

  
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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.
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 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.

  
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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. Higher Secondary School, Karivalamvandanallur, Sankarankoil District as committed, before obtaining CTO from TNPCB.

**Agenda No: 372-02**

**(File No: 9746/2023)**

**Proposed Rough Stone Quarry lease over an extent of 3.46.04.5ha S.F.Nos. 161/1A(pt) Therku Ilandaikkulam Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru Kasim Mohamed Peer Mohideen– for Environmental Clearance. (SIA/TN/MIN/414588/2023 , dt: 19.01.2023)**

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. 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 Kasim Mohamed Peer Mohideen has applied for Environmental Clearance for the Rough Stone Quarry lease over an extent of 3.46.04.5ha S.F.Nos. 161/1A(pt) Therku Ilandaikkulam Village, Kayathar Taluk, Thoothukudi 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 5Years. The approved mining plan is for the period of 5 years & production should not

  
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exceed 704036m<sup>3</sup> of Rough Stone, 58644 m<sup>3</sup> of Gravel. The Annual peak production 144966m<sup>3</sup> (1<sup>st</sup> year) of Rough stone & 358644m<sup>3</sup> of Gravel (1<sup>st</sup> year). The ultimate depth of mining is 40m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC after detailed discussion decided to defer the proposal and the PP shall furnish the following additional particulars

- i) Registered lease agreement to be submitted.
- ii) Revised mining plan leaving a safety distance of minimum 150m from the wind mill located adjacent to the project site, from the competent authority.

**Agenda No: 372-03**

**(File No: 9753/2023)**

**Proposed Rough Stone Gravel Quarry Project to an extent:1.69.0ha S.F.No. 228/1A of Ayilam Village, Walajah Taluk, Ranipet District, Tamil Nadu by Thiru R. Madhavan- for Environmental Clearance. (SIA/TN/MIN/415385/2023, dt: 21.01.2023)**

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

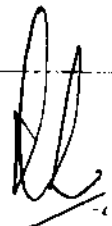
1. The Project Proponent, Thiru R. Madhavan has applied for Environmental Clearance for the proposed Rough Stone Gravel Quarry Project to an extent:1.69.0ha S.F.No. 228/1A of Ayilam Village, Walajah Taluk, Ranipet District, Tamil Nadu
2. The proposed quarry/activity is covered under Category "B2" of 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 10 years & production should not exceed 151595m<sup>3</sup> of Rough Stone, 24006 m<sup>3</sup> of Gravel & 31851m<sup>3</sup> of weathered rock. The Annual peak production 20600m<sup>3</sup> (5<sup>th</sup> year) of Rough stone. The ultimate depth of mining is 40m 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 – 632 517.
2.	Type of quarrying	Rough Stone and Gravel
3.	S.F No. of the quarry site	228/1A
4.	Village in which situated	Ayilam
5.	Taluk in which situated	Walajah
6.	District in which situated	Ranipet
7.	Extent of quarry (in ha.)	1.69.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	12°53'42.98"N to 12°53'49.36"N 79°14'40.98"E to 79°14'45.68"E
9.	Topo Sheet No.	57-P/01
10.	Type of mining	Opencast Mechanized Mining
11.	Period of current mine plan	5 Years
12.	Production (Quantity in m <sup>3</sup> )	71,755 m <sup>3</sup> of Rough Stone and 24,006 m <sup>3</sup> of Gravel
13.	Depth of mining	40m BGL
14.	Depth of water table	70m to 65m (BGL)
15.	Man Power requirement	16 Nos
16.	Water requirement: 4. Domestic & Flushing 5. Dust suppression 6. Green Belt	1.0 KLD 0.2 KLD 0.5 KLD 0.3 KLD
17.	Power requirement c. Domestic purpose d. Industrial Purpose	TNEB 65,568 Liters of HSD
18.	Precise area communication approved by the Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.55/2021 (Mines), Dated: 26.12.2022
19.	Mining Plan approved by the Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.55/2021 (Mines), Dated: 02.01.2023
20.	500m cluster letter issued by the Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.55/2022 (Mines), Dated: 05.01.2023

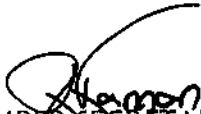




21.	VAO certificate regarding habitations in 300m radius	Letter dated 30.12.2022
22.	Project Cost (excluding EMP)	Rs. 48,38,000/-
23.	EMP cost	Capital Cost – Rs. 23,49,800/- Recurring Cost – Rs. 14,91,744/-
24.	CER cost	Rs. 5,00,000/-

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 151595m<sup>3</sup> of Rough Stone, 24006 m<sup>3</sup> of Gravel & 31851m<sup>3</sup> of weathered rock. The Annual peak production 20600m<sup>3</sup> (5th year) of rough stone. The ultimate depth of mining is 40m BGL and subject to the standard conditions as per the Annexure 1 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 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

  
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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.
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 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.

  
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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 Ramapuram, Arcot, Ranipet as committed, before obtaining CTO from TNPCB.

**Agenda No: 372-04**

**(File No: 9726/2023)**

**Proposed Rough Stone Quarry (Government Land) lease over an extent of 0.71.0Ha S.F.No.4/1, Ganapathipatti Village, Harur Taluk, Dharmapuri District by M/s. Sri Amman Blue Metals – for Environmental Clearance. (SIA/TN/MIN/413314/2023, dt: 06.01.2023)**

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. 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, Sri Amman Blue Metals has applied for Environmental Clearance for the Rough Stone Quarry lease over an extent of 0.71.0Ha S.F.No.4/1, Ganapathipatti Village, Harur Taluk, Dharmapuri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The 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 24145m<sup>3</sup> of Rough Stone, 24145 m<sup>3</sup> of Rough Stone & 36m<sup>3</sup> of Topsoil. The depth of mining is 19m BGL.

Sl. No	Details of the Proposal	: Data Furnished
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1	Name of the Owner/Firm	: Sri Amman Blue Metals Ganapathipatti village, Paraiyappatti Post, Harur Taluk, Dharmapuri District, Pin code - 635305
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone
3	S.F No. Of the quarry site with area break-up	: 4/1
4	Village in which situated	: Ganapathipatti
5	Taluk in which situated	: Harur
6	District in which situated	: Dharmapuri
7	Extent of quarry (in ha.)	: 0.71.0 Ha
8	Latitude & Longitude of all corners of the quarry site	: 12°8'19.17"N to 12°8'24.60"N 78°28'58.08"E to 78°29'1.76"E
9	Topo Sheet No.	: 57 – L/08
10	Type of mining	: Opencast Mechanized of Mining
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m <sup>3</sup> )	: 24145m <sup>3</sup> of Rough Stone
13	Depth of quarrying	: 19m
14	Depth of water table	: 65m-55m BGL
15	Man Power requirement per day:	: 20 Nos.
16	Source of Water Requirement	: water vendors
17	Water requirement:	: 3.2 KLD
	7. Drinking & domestic purposes (in KLD)	: 1.2 KLD
	8. Dust suppression, Green Belt &Wet Drilling (in KLD)	: 1.0 KLD 1.0 KLD

  
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18	Power requirement	TNEB
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the District Collector, Department of Geology and Mining with date	: Roc.No.161/2017/Kanimam, dt: 06.02.2018
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Rc.No.283/2013(Mines), dt: 21.12.2022
22	Assistant Director, Department of Geology and Mining 500m cluster letter	Rc.No.283/2022 (Mines), dt: 02.01.2023
23	VAO certificate regarding 300m radius cluster	Letter dt: 02.01.2023
24	Project Cost (excluding EMP cost)	: Rs.49.38 Lakh
25	EMP cost	: Rs.3.35 Lakhs
26	CER cost	Rs.5.5 Lakhs

During presentation, PP has submitted Lr. Dt:27.04.2023 stating that they have decided to withdraw the proposal in view of the Circular Memo No. T1/TNPCB/F.002953/Rough Stone/ SPR/2023 Dt:24.04.2023. Based on the above, SEAC has decided to recommend to SEIAA to accept the request of PP to **withdraw the proposal No. SIA/TN/MIN/413314/2023, dt: 06.01.2023.**

**Agenda No: 372-05**

**(File No: 9733/2023)**

**Proposed Rough Stone & Gravel Quarry lease over an extent of 1.71.5Ha S.F.No.116/2B1B & 116/3A2, Nachipalayam Village, Madukkarai Taluk, Coimbatore District by Thiru.A.Palanisamy – for Environmental Clearance.(SIA/TN/MIN/413321/2023, dt: 07.01.2023)**

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. Earlier, Thiru.A.Palanisamy has obtained Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 1.15.5Ha

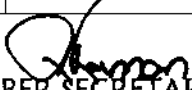
  
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S.F.No.116/2B1B of Nachipalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu vide Lr.No.SEIAA-TN/F.No.3705/EC/1(a)/2647/2015 Dt:15.01.2016.

2. CCR obtained from MoEF&CC, IRO, (SEZ) Vide Lr. E.P/12.1/2022-23/SEIAA/229/TN/74 Dt:13.01.2023.
3. The Project Proponent, Thiru.A.Palanisamy has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 1.71.5Ha S.F.No.116/2B1B & 116/3A2, Nachipalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.
4. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
5. The precise area communication is issued for the period of 5 Years. The approved mining plan is for the period of five years & production should not exceed 73580m<sup>3</sup> of Rough Stone & 7636m<sup>3</sup> of Gravel and the annual peak production shall not exceed 15150 m<sup>3</sup> of Rough Stone & 2668 m<sup>3</sup> of Gravel. The depth of mining 30m BGL.

Sl. No	Details of the Proposal	:	Data Furnished
1	Name of the Owner/Firm	:	Thiru.A.Palanisamy, S/o.Ayyasamy Gounder, No.8/1, Palakkadu Main Road, Sugunapuram, Coimbatore District, Tamil Nadu State-641008
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	:	116/2B1B & 116/3A2
4	Village in which situated	:	Nachipalayam
5	Taluk in which situated	:	Madukkarai
6	District in which situated	:	Coimbatore
7	Extent of quarry (in ha.)	:	1.71.5Ha
8	Latitude & Longitude of all corners of the quarry site	:	10°51'44.70"N to 10°51'47.76"N 76°56'09.48"E to 76°56'17.91"E

  
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9	Topo Sheet No.	:	58- B/13
10	Type of mining		Opencast Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m <sup>3</sup> )	:	73580m <sup>3</sup> of Rough Stone & 7636m <sup>3</sup> of Gravel
13	Depth of quarrying	:	30m
14	Depth of water table	:	65m-60m BGL
15	Man Power requirement per day:		16 Nos.
16	Source of Water Requirement		water vendors and Existing Borewell
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	1.4 KLD 0.3 KLD 0.6 KLD 0.5 KLD
18	Power requirement		TNEB
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.712/Kanimam/2020, dt: 04.07.2022
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.712/Mines/2020, dt: 07.07.2022
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.712/Mines/2020, dt: 25.10.2022
23	VAO certificate regarding 300m radius cluster		Letter dt: 19.09.2020
24	Project Cost (excluding EMP cost)	:	Rs.50.63 Lakh
25	EMP cost	:	Rs.96.67 Lakhs / 5 Years
26	CER cost		Rs.5 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC noted certain non-compliance previous EC conditions was noticed. In this regard, SEAC after detailed discussion decided to defer the proposal and the PP shall furnish the following additional particulars

  
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- iii) Enumerate the details of habitations & structures within 300m radius from the proposed mining area
- iv) NOC for the proposed activity from the local panchayat/PWD/Competent authority with regard to nearby Kunitipaathi Odai and its check dam like structure.
- v) Action plan on the CCR.

**Agenda No: 372-06**

**(File No: 9740/2023)**

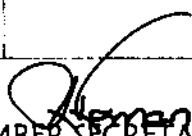
**Proposed Rough Stone Quarry (Government Land) lease over an extent of 0.62.5Ha S.F.No.360, Kalukondapalli Village, Denkanikottai Taluk, Krishnagiri District by Thiru.R.Venugopal Reddy – for Environmental Clearance. (SIA/TN/MIN/414440/2023, dt: 13.01.2023)**

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. 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.Venugopal Reddy has applied for Environmental Clearance for the proposed Rough Stone Quarry lease over an extent of 0.62.5Ha S.F.No.360, Kalukondapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The precise area communication is issued for the period of 10 Years. The approved mining plan is for the period of 1<sup>st</sup> five years & production should not exceed 42900 m<sup>3</sup> of Rough Stone, & 255 m<sup>3</sup> of Topsoil and the annual peak production shall not exceed 10450 m<sup>3</sup> of Rough Stone. The depth of mining is 21m BGL.

Sl. No	Details of the Proposal	:	Data Furnished
1	Name of the Owner/Firm	:	Thiru.R.Venugopal Reddy S/o.Ramakrishna Reddy, D.No.2/22, Melveethi, Madukkur Village, Madhakondapalli post, Denkanikottai Taluk, Krishnagiri District – 635114.

  
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2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone
3	S.F No. Of the quarry site with area break-up	:	360
4	Village in which situated	:	Kalukondapalli
5	Taluk in which situated	:	Denkanikottai
6	District in which situated	:	Krishnagiri
7	Extent of quarry (in ha.)	:	0.62.5Ha
8	Latitude & Longitude of all corners of the quarry site	:	12°38'35.38"N to 12°38'38.44"N 77°44'52.06"E to 77°44'54.45"E
9	Topo Sheet No.	:	57- H/14
10	Type of mining	:	Opencast Semi-Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m <sup>3</sup> )	:	42900 m <sup>3</sup> of Rough Stone, & 255 m <sup>3</sup> of Topsoil for the period of 1 <sup>st</sup> five years
13	Depth of quarrying	:	21m
14	Depth of water table	:	62m BGL
15	Man Power requirement per day:	:	15 Nos.
16	Source of Water Requirement	:	water vendors and Existing Borewell
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	1.75 KLD 0.75 KLD 0.50 KLD 0.50 KLD
18	Power requirement	:	TNEB
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.226/2018/Kanimam, dt: 09.03.2018
21	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	:	Rc.No.226/2018/Mines, dt: 28.02.2019

22	Deputy Director, Department of Geology and Mining 500m cluster letter	Rc.No.226/2018/Mines, dt: 16.11.2022
23	VAO certificate regarding 300m radius cluster	Letter dt: 14.11.2022
24	Project Cost (excluding EMP cost)	: Rs.48.60 Lakh
25	EMP cost	: Rs.135.65 Lakhs
26	CER cost	Rs.5 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 42900 m<sup>3</sup> of Rough Stone and the annual peak production shall not exceed 10450 m<sup>3</sup> of Rough Stone and the ultimate depth upto 21m 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.

  
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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. 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.
11. 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.

12. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
14. 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.
15. 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.
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

  
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18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
20. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakhs** and the amount shall be spent for the Govt. Higher Secondary School, Madhakondapalli Village, Krishnagiri District as committed, before obtaining CTO from TNPCB.

**Agenda No: 372-07**

**(File No. 9747/2023)**


**Proposed Rough Stone & Gravel Quarry lease over an extent of 2.48.0Ha S.F.No.25/1A, 25/1B, 25/2A1, 25/2A2B & 25/2B, Nerkundram Village, Uthiramerur Taluk, Kancheepuram District by Thiru.K.Arulkumar – for Environmental Clearance. (SIA/TN/MIN/414470/2023, dt: 13.01.2023)**

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. 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.K.Arulkumar has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 2.48.0Ha S.F.No.25/1A, 25/1B, 25/2A1, 25/2A2B & 25/2B, Nerkundram Village, Uthiramerur Taluk, Kancheepuram 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 1<sup>st</sup> five years & production should not exceed 178175 m<sup>3</sup> of Rough Stone & 36714 m<sup>3</sup> of Gravel and the annual peak production shall not exceed 38900 m<sup>3</sup> of Rough Stone & 23688 m<sup>3</sup> of Gravel. The depth of mining is 35m BGL.

Sl. No	Details of the Proposal	:	Data Furnished
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1	Name of the Owner/Firm	: Thiru.K.Arulkumar, S/o.N.Kanniyappan, No.1/60, Mariyamman Koil Street, Neerkundram Village, Anambakkam Post, Salavakkam Via, Uthiramerur Taluk, Kancheepuram District – 603107.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	: 25/1A, 25/1B, 25/2A1, 25/2A2B & 25/2B
4	Village in which situated	: Nerkundram
5	Taluk in which situated	: Uthiramerur
6	District in which situated	: Kancheepuram
7	Extent of quarry (in ha.)	: 2.48.0Ha
8	Latitude & Longitude of all corners of the quarry site	: 12°41'08.35"N to 12°41'15.21"N 79°50'27.63"E to 79°50'35.52"E
9	Topo Sheet No.	: 57– P/14
10	Type of mining	: Opencast Mechanized of Mining
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m <sup>3</sup> )	: 178175m <sup>3</sup> of Rough Stone & 36714m <sup>3</sup> of gravel
13	Depth of quarrying	: 35m
14	Depth of water table	: 68m-65m BGL
15	Man Power requirement per day:	20 Nos.
16	Source of Water Requirement	: water vendors and Existing Borewell
17	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
18	Power requirement	: TNEB
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.305/Q3/2021, dt: 21.11.2022

  
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21	Mining Plan approved by Assistant Director (i/c), Department of Geology and Mining with date	: Rc.No.305/Q3/2021, dt: 16.12.2022
22	Assistant Director (i/c), Department of Geology and Mining 500m cluster letter	: Rc.No.305/Q3/2021, dt: 16.12.2022
23	VAO certificate regarding 300m radius cluster	: Letter dt: 17.12.2022
24	Project Cost (excluding EMP cost)	: Rs.50.03 Lakh
25	EMP cost	: Rs.290 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 178175m<sup>3</sup> of Rough Stone & 36714m<sup>3</sup> of gravel and the annual peak production shall not exceed 38900 m<sup>3</sup> of Rough Stone & 23688 m<sup>3</sup> of Gravel and the depth of mining upto 35m 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 carry out only short hole blasting instead deep hole blasting ensuring at most safety nearby structures.
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 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. 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 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

  
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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. High School, Aanambakkam Village as committed, before obtaining CTO from TNPCB.

**Agenda No: 372-08**


**(File No. 9754/2023)**

**Proposed Rough Stone & Gravel Quarry lease over an extent of 1.62.00Ha S.F.No.1471A/22A1 (P), Gangaikondan Part-II Village, Tirunelveli Taluk, Tirunelveli District by Thiru.J.Selvakumar – for Environmental Clearance.(SIA/TN/MIN/415548/2023, dt: 23.01.2023)**

The proposal was placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. 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.J.Selvakumar has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 1.62.00Ha S.F.No.1471A/22A1 (P), Gangaikondan Part-II Village, Tirunelveli Taluk, Tirunelveli 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 is issued for the period of 5Years. The approved mining plan is for the period of five years & production should not exceed 205440m<sup>3</sup> of Rough Stone & 36765m<sup>3</sup> of Gravel and the annual peak production shall not exceed 42400 m<sup>3</sup> of Rough Stone & 13680 m<sup>3</sup> of Gravel.

  
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The depth of mining is 43m BGL.

Sl. No	Details of the Proposal	:	Data Furnished
1	Name of the Owner/Firm	:	Thiru.J.Selvakumar S/o. John D.No.81, 4 <sup>th</sup> street, Srinivasa nagar Sankar Nagar Post - 627357, Tirunelveli Taluk & 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	:	1471A/22A1 (P)
4	Village in which situated	:	Gangaikondan Part-II
5	Taluk in which situated	:	Tirunelveli
6	District in which situated	:	Tirunelveli
7	Extent of quarry (in ha.)	:	1.62.00Ha
8	Latitude & Longitude of all corners of the quarry site	:	08°49'32.63"N to 08°49'37.45"N 77°47'24.00"E to 77°47'29.16"E
9	Topo Sheet No.	:	58- H/13
10	Type of mining	:	Opencast Semi-Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m <sup>3</sup> )	:	205440m <sup>3</sup> of Rough Stone & 36765m <sup>3</sup> of Gravel
13	Depth of quarrying	:	43m
14	Depth of water table	:	60m BGL
15	Man Power requirement per day:	:	15 Nos.
16	Source of Water Requirement	:	water vendors and Existing Borewell
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt &Wet Drilling (in KLD)	:	7.0 KLD 1.0 KLD 3.0 KLD 3.0 KLD
18	Power requirement	:	TNEB
19	Whether any habitation within 300m distance	:	No

  
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20	Precise area communication approved by the, Joint Director / Assistant Director (i/c), Department of Geology and Mining with date	:	Rc.No.M2/3474/2021, dt: 07.12.2022
21	Mining Plan approved by Joint Director / Assistant Director (i/c), Department of Geology and Mining with date	:	Rc.No.M2/3474/2021, dt: 19.12.2022
22	Joint Director / Assistant Director (i/c), Department of Geology and Mining 500m cluster letter	:	Rc.No.M2/3474/2021, dt: 19.12.2022
23	VAO certificate regarding 300m radius cluster	:	Letter dt: 19.12.2022
24	Project Cost (excluding EMP cost)	:	Rs.62.05 Lakh
25	EMP cost	:	Rs.102.50 Lakhs / 5Years
26	CER cost	:	Rs.5.00 Lakhs Rs 2 Lakhs to School & Rs 3 Lakhs to Gangaikondan wild life sanctuary

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 205440m<sup>3</sup> of Rough Stone & 36765m<sup>3</sup> of Gravel and the annual peak production shall not exceed 42400 m<sup>3</sup> of Rough Stone & 13680 m<sup>3</sup> of Gravel by restricting the ultimate depth upto <sup>A3</sup> 23m 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.

  
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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. 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.

11. 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.
12. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
14. 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.
15. 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.

  
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16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
20. As accepted by the Project proponent the CER cost is Rs. 2.0 lakhs and the amount shall be spent for the Govt. Primary School, Gangaikondan Village & Rs 3.0 lakhs shall be spent for mitigation measures to Gangaikondan wild life sanctuary in consultation with concerned DFO as committed, before obtaining CTO from TNPCB.

**Agenda No: 372-09**

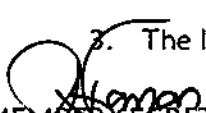
**(File No: 9748/2022)**

**Proposed Rough Stone and Gravel Quarry over an Extent of 2.07.5ha at S.F.Nos. 230 & 231/1 of Thennilai East Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. Sai Blue Metals -For Environmental Clearance (SIA/TN/MIN/414605/2023, 17.01.2023).**

The proposal was placed in this 372<sup>nd</sup> Meeting of SEAC held on 27.04.2023. 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. Sai Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an Extent of 2.07.5ha at S.F.Nos. 230 & 231/1 of Thennilai East 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 lease period is for 10 years and the mining plan for the total period of

  
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first five years, production should not exceed 1,06,355m<sup>3</sup> of Rough Stone, 43,320 m<sup>3</sup> of Weathered Rock & 31,916m<sup>3</sup> of Gravel and 1,47,185 m<sup>3</sup> of Rough Stone for second five years. The annual peak production is 32,110m<sup>3</sup> of Rough Stone & 13130m<sup>3</sup> of Gravel. The ultimate depth of mining is 40m BGL.

The salient features of the proposed project as follows.

Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	M/s. Sai Blue Metals, No. 232/1, Pomandampalayam, Thennilai Post, Pugalur Taluk, Karur District- 639111
2.	Type of quarrying	Rough Stone and Gravel Quarry
3.	S.F No. of the quarry site	230 & 231/1
4.	Village in which situated	Thennilai East
5.	Taluk in which situated	Pugalur
6.	District in which situated	Karur
7.	Extent of quarry (in ha.)	2.07.5ha
8.	Latitude & Longitude of all corners of the quarry site	10°59'51.07"N to 10°59'57.29"N 77°52'34.69"E to 77°52'39.33"E
9.	Topo Sheet No.	58 - F/13
10.	Type of mining	Opencast Mechanized Method of mining
11.	Period of current mine plan	10 Years
12.	Production (Quantity in m <sup>3</sup> )	As per the mining plan the lease period is 10 years. The mining plan for the total period of first five years, production should not exceed 1,06,355m <sup>3</sup> of Rough Stone, 43,320 m <sup>3</sup> of Weathered Rock & 31,916m <sup>3</sup> of Gravel and 1,47,185 m <sup>3</sup> of Rough Stone for second five years. The annual peak production is 32,110m <sup>3</sup> of Rough Stone & 13130m <sup>3</sup> of Gravel.
13.	Depth of mining	40m (2m Gravel + 3m Weathered rock + 35m Rough Stone) BGL.
14.	Depth of water table	70m Summer Season – 65m Rainy Season
15.	Man Power requirement	22 Nos

  
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16.	Water requirement 1. Drinking Water (KLD) 2. Dust Suppression (KLD) 3. Green Belt (KLD)	1.5 KLD 0.3 KLD 0.7 KLD 0.5 KLD
17.	Power requirement	TNEB -
18.	Precise area communication approved by the Deputy Director, Dept of G&M, with date	Rc.No. 107/Mines/2022 Dated: 27.10.2022.
19.	Mining Plan approved by Deputy Director, Dept of Geology and Mining, with date	Rc.No. 107/Mines/2022 Dated: 25.11.2022.
20.	500m cluster letter issued by the Deputy Director, Dept of Geology and Mining, with date	Rc.No. 107/Mines/2022 Dated: 01.12.2022.
21.	VAO certificate regarding habitations in 300m radius	Letter dated: 14.11.2022
22.	Project Cost (excluding EMP)	Rs. 67,82,000/-
23.	EMP cost	Capital Cost: 25,39,250/- Recurring Cost: 17,97,654/-
	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 recommend the proposal for the grant of Environmental Clearance for total excavation quantity should not exceed 1,06,355m<sup>3</sup> of Rough Stone, 43,320 m<sup>3</sup> of Weathered Rock & 31,916m<sup>3</sup> of Gravel for the first 5 years and 1,47,185 m<sup>3</sup> of Rough Stone for second five years with maintaining a depth of 40m BGL & annual peak production capacity of 32,110m<sup>3</sup> of Rough Stone & 13130m<sup>3</sup> of Gravel, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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

as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.

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 construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
6. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
7. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
8. As a part of EC Compliance, the PP shall carry out the tree plantation (2000 nos) to act as a barrier to reduce noise level and dust pollution along the

  
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boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.

9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries.
10. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 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.
11. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him only as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
13. The PP shall ensure that 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.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
15. The PP shall carry out the comprehensive hydrogeological studies within 2 years from the commencement of the quarrying operation to assess 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 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.

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

**Agenda No: 372-10**

**(File No: 9755/2022)**

**Proposed Rough Stone and Gravel Quarry over an Extent 3.25.0ha at S.F.Nos. 116/1 (Part) & 116/2 (Part) of Panikkarkulam Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru.P. Sheik Dawood -For Environmental Clearance (SIA/TN/MIN/414984/2023, 20.01.2023).**

The proposal was placed in this 372<sup>nd</sup> Meeting of SEAC held on 27.04.2023. 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. Sheik Dawood has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an Extent 3.25.0ha at S.F.Nos. 116/1 (Part) & 116/2 (Part) of Panikkarkulam Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu.

  
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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 6.47,192m<sup>3</sup> of Rough Stone & 54,768m<sup>3</sup> of Gravel. The annual peak production is 1,49,470m<sup>3</sup> of Rough Stone & 54,768 m<sup>3</sup> of Gravel. The ultimate depth is 40m BGL.

The salient features of the proposed project as follows.

Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru.P.SheikDawood, S/o.PeerMohamed, No.11A,PavallarStreet, KayatharTaluk, Thoothukudi District-628952.
2.	Type of quarrying	Rough Stone and Gravel Quarry
3.	S.F No. of the quarry site	116/1 (Part) & 116/2 (Part)
4.	Village in which situated	Panikkarkulam
5.	Taluk in which situated	Kayathar
6.	District in which situated	Thoothukudi
7.	Extent of quarry (in ha.)	3.25.0ha
8.	Latitude & Longitude of all corners of the quarry site	08°58'18.60"N to 08°58'25.81"N 77°44'6.84"E to 77°44'13.13"E
9.	Topo Sheet No.	58-H/13
10.	Type of mining	Opencast semi mechanized mining method
11.	Period of current mine plan	5 Years
12.	Production (Quantity in m <sup>3</sup> )	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 6,47,192m <sup>3</sup> of Rough Stone & 54,768m <sup>3</sup> of Gravel. The annual peak production is 1,49,470m <sup>3</sup> of Rough Stone & 54,768 m <sup>3</sup> of Gravel.

13.	Depth of mining	40m BGL
14.	Depth of water table	55m Summer Season – 50m Rainy Season
15.	Man Power requirement	24 Nos
16.	Water requirement 4. Drinking Water (KLD) 5. Dust Suppression (KLD) 6. Green Belt (KLD)	5.0 KLD 1.0 KLD 2.0 KLD 2.0 KLD
17.	Power requirement	TNEB 526890 HSD Liters
18.	Precise area communication approved by the District Collector, with date	Rc.No.G.M.1/932/2022 Dated:03.01.2023
19.	Mining Plan approved by Assistant Geologist , Assistant Director(i/c), Dept of Geology and Mining, with date	Rc.No.G.M.1/932/2022 Dated:10.01.2023
20.	500m cluster letter issued by the Assistant Geologist , Assistant Director(i/c), Dept of Geology and Mining, with date	Rc.No.G.M.1/932/2022 Dated:10.01.2023
21.	VAO certificate regarding habitations in 300m radius	Letter Furnished
22.	Project Cost (excluding EMP)	Rs. 64,76,000/-
23.	EMP cost	Capital Cost: 64,61,166/- Recurring Cost: 33,33,080/-
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 recommend the proposal for the grant of Environmental Clearance for total excavation quantity should not exceed 6,47,192m<sup>3</sup> of Rough Stone & 54,768m<sup>3</sup> of Gravel with maintaining a depth of 40m BGL & annual peak production capacity of 1,49,470m<sup>3</sup> of Rough Stone & 54,768 m<sup>3</sup> 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:

  
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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 Metalliferrous Mines Regulations, 1961.
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 construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
6. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
7. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept



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

8. As a part of EC Compliance, the PP shall carry out the tree plantation (2000 nos) 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.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarries.
10. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 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.
11. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him only as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
13. The PP shall ensure that 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.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.

  
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15. The PP shall carry out the comprehensive hydrogeological studies within 2 years from the commencement of the quarrying operation to assess 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 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.
16. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
17. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
18. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
19. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Veerapandiya Kattabomman Govt. Higher Secondary School, Kayathar Village as committed, before obtaining CTO from TNPCB.

**AGENDA No: 372-11**

**(File No: 9728/2023)**

**Proposed Multi Clour Granite quarry lease over an extent of 1.80.0 Ha S.F.Nos. 404/1(Part), 404/2(Part), 404/3(Part), 404/4(Part), 404/5(Part), 404/6(Part), 404/7(Part), 404/8, 405/1, 405/2, 405/3(Part), 405/4, 405/5(Part) and 405/6A (Part) in K.Pitchampatti Village, Karur Taluk & District, Tamil Nadu by Smt. P. Sujeetha- For Environmental Clearance (SIA/TN/MIN/411775/2022, dated 23.12.2022)**

The proposal was placed in 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. The details of the project furnished by the proponent are available on the PARIVESH

  
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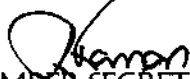
CHAIRMAN  
SEAC- TN  


web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

**The SEAC noted the following:**

1. The project proponent, Smt. P. Sujeetha has applied seeking Environmental Clearance for the Proposed Multi Colour Granite quarry lease over an extent of 1.80.0 Ha S.F.Nos. 404/1(Part), 404/2(Part), 404/3(Part), 404/4(Part), 404/5(Part), 404/6(Part), 404/7(Part), 404/8, 405/1, 405/2, 405/3(Part), 405/4, 405/5(Part) and 405/6A (Part) in K.Pitchampatti Village, Karur Taluk & District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.

Sl. No.	Details of the Proposal	
1.	Name of the Owner/Firm	Smt. P. Sujeetha, D/o. Pandian, D.No.33, K.P.Nagar 5th Cross, Attur Post, Karur District- 639 002
2.	Type of quarrying	Multi Colour Granite quarry
3.	S.F No. of the quarry site	404/1(Part), 404/2(Part), 404/3(Part), 404/4(Part), 404/5(Part), 404/6(Part), 404/7(Part), 404/8, 405/1, 405/2, 405/3(Part), 405/4, 405/5(Part) and 405/6A (Part)
4.	Village in which situated	K.Pitchampatti
5.	Taluk in which situated	Karur
6.	District in which situated	Karur
7.	Extent of quarry (in ha.)	1.80.0 Ha - Patta land
8.	Latitude & Longitude of all corners of the quarry site	10°46'53.8205"N to 10°46'59.7978"N 78°04'16.3977"E to 78°04'22.2348"E
9.	Topo Sheet No.	58-J/01
10.	Type of Mining	Open cast mechanized mining
11.	Period of current mine plan	5 years
12.	Production (Quantity in m <sup>3</sup> )	ROM – 20015 m <sup>3</sup> , Recovery 60% - 12009 m <sup>3</sup> Granite Waste 40% - 8006 m <sup>3</sup>
13.	• Proposed depth of mining in 5 years	28m

  
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	• Ultimate Depth	38m
14.	Depth of water table	64m-59m
15.	Man Power requirement	34 Nos
16.	Water requirement: 1. Domestic & Flushing 2. Dust suppression 3. Green Belt	0.3kLD 0.7kLD 0.8kLD
17.	Power requirement 1. Domestic 2. Industrial	TNEB 1,29,664 liters of HSD for entire project life
19.	Precise area communication approval letter	letter No. 1089/MMB.2/2022-1, dated: 01.03.2022
20.	Mining Plan approval letter	Rc. No. 259/MM2/2022 dated 01.08.2022
21.	500m cluster letter	Rc. No. 55/mines/2021 dated 28.10.2022
22.	VAO certificate regarding habitations within 300m radius	Letter dt 9.11.2022 furnished
23.	Project Cost (excluding EMP)	Rs. 2,36,30,000/-
24.	EMP cost	Capital Cost: Rs 30,30,000/- Recurring Cost/Annum: 11,71,253/- + 5% cost inflation from 2 <sup>nd</sup> year
25.	CER Cost	Rs. 5.0 Lakh

Based on the presentation and documents furnished by the project proponent, SEAC requested the PP to revise the mining plan by keeping minimum 12m width on last bench accordingly the revised mining is as follows.

  
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**Year wise production as per the Honorable SEAC recommendation**  
**4m width Reduced**

YEARWISE RESERVES												
Section	Year	Bench	Length in (m)	Width in (m)	Depth in (m)	ROM in (Cu.m.)	Recover @ 60%	Waste @ 40%	Weathered	Topsoil	Side Burden	
XY-AB	I	i	43	89	2					7654		
		ii	37	83	1				3071			
		iii	24	35	5	4200	2520	1680				
		iii	24	9	5						1080	
		Total=					4200	2520	1680	3071	7654	1080
	II	i	36	89	2						6408	
		ii	36	83	1				2988			
		iii	25	35	5	4375	2625	1750				
		iii	25	9	5							1125
		Total=					4375	2625	1750	2988	6408	1125
	III	iv	24	34	5	4080	2448	1632				
		Total=					4080	2448	1632			
	IV	iv	15	34	5	2550	1530	1020				
		v	12	24	5	1440	864	576				
		Total=					3990	2394	1596			
	V	v	17	24	5	2040	1224	816				
		vi	19	14	5	1330	798	532				
		Total=					3370	2022	1348			
	Grand Total=						20015	12009	8006	6059	14062	2205

Therefore, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of ROM – 20015 m<sup>3</sup>, Recovery 60% - 12009 m<sup>3</sup> and Granite Waste 40% - 8006 m<sup>3</sup> to the depth of 28m in 5 years and the annual peak production shall not exceed – 4,375m<sup>3</sup> of RoM & 2625 m<sup>3</sup> of Granite as 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.

  
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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 slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
4. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30 m (or) during the 3<sup>rd</sup> year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. Within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Cumulative Impacts of the blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
6. 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.
7. 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.

8. 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.
9. 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.
10. 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.
11. 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.
12. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
16. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakh** the amount to be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

  
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**AGENDA No: 372-12**

**(File No: 9735/2023)**

**Existing Rough Stone quarry lease (1<sup>st</sup> scheme of mining) over an extent of 0.63.5 Ha S.F.No. 100 of Kulathur Village, Kulathur Taluk, Pudukottai District, Tamil Nadu by Thiru. M.Ravi- For Environmental Clearance (SIA/TN/MIN/414026/2023, dated 10.01.2023)**

The proposal was placed in 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. 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. M.Ravi has applied seeking Environmental Clearance for the existing Rough Stone quarry lease (1<sup>st</sup> scheme of mining) over an extent of – 0.63.5 Ha S.F.No. 100 of Kulathur Village, Kulathur Taluk, Pudukottai District, Tamil Nadu.
2. The project/activity is covered under category “B2” of Item 1 (a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006, as amended.

Sl. No.	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru. M Ravi S/O Mani Konar 964, Sivampatti Vellnur Kulathur Pudukkottai-622501
2.	Type of quarrying	Rough Stone
3.	S.F No. of the quarry site	100
4.	Village in which situated	Kulathur
5.	Taluk in which situated	Kulathur
6.	District in which situated	Pudukottai
7.	Extent of quarry (in ha.)	0.63.5 Ha -Government Poromboke Land
8.	Latitude & Longitude of all corners of the quarry site	10°33'13.24"N to 10°33'9.69"N 78°45'56.55"E to 78°45'54.33"E
9.	Topo Sheet No.	58 J/14
10.	Type of Mining	Opencast mechanized mining
11.	Period of current mine plan	5 years

  
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12.	Lease period	5 years
13.	Production (Quantity in m <sup>3</sup> )	23,020 m <sup>3</sup> of Roughstone.  The annual peak production shall not exceed 8,125 m <sup>3</sup> of Roughstone
14.	<ul style="list-style-type: none"> <li>• Proposed depth of mining in 5 years</li> <li>• Ultimate Depth</li> </ul>	43 m BGL (including existing pit)  43 m BGL
15.	Depth of water table	62 m
16.	Man Power requirement	15 Nos
17.	Water requirement:	
	4. Domestic & Flushing	1.0 kLD
	5. Dust suppression	0.5 kLD
	6. Green Belt	0.5 kLD
18.	Power requirement	
	3. Domestic	TNEB
	4. Industrial	18,416 litre of HSD will be utilized
26.	Precise area communication approval letter	Rc.No.44/ 2022 /Kanimam dated 11.08.2022
27.	Mining Plan approval letter	Rc.No.44/2022 (G&M) dated:02.11.2022
28.	500m cluster letter	Rc.No.44/2022 (G&M) dated:02.11.2022
29.	VAO certificate regarding habitations within 300m radius	Letter dated: Nil
30.	Project Cost (excluding EMP)	Rs.52,20,000/-
31.	EMP cost	Capital Cost: Rs 4,23,700 /- Recurring Cost/Annum: 3,38,350/- + 5% cost inflation from 2 <sup>nd</sup> year
32.	CER Cost	Rs. 5.0 Lakh

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 23,020 m<sup>3</sup> of Roughstone to the depth of 43 m BGL in 5 years and the annual peak production shall not exceed - 8125 m<sup>3</sup> of Roughstone** as 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.

  
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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 slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
4. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30 m (or) during the 3<sup>rd</sup> year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. Within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Cumulative Impacts of the blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
6. 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.

  
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7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

  
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16. As accepted by the Project proponent the CER cost is Rs. 5.0 lakh the amount to be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

**AGENDA No: 372-13**

(File No: 9749/2023)

Proposed Rough stone and Gravel quarry lease over an extent of – 2.99.48ha S.F.Nos. 1341/1(P) & 1341/2 (P) Nagamballi Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl. Sree Dheivam Blue Metals, – For Environmental Clearance (SIA/TN/MIN/415126/2023, dated 20.01.2023)

The proposal was placed in 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted that the project proponent has submitted a letter stating his inability to attend the meeting. Hence SEAC decided to defer the subject to a later date.

**AGENDA No: 372-14**

(File No: 9756/2023)

Proposed Rough Stone and Gravel quarry lease over an extent of – 0.65.0 ha S.F.No. 41/1A (P) of Anjanur Village, Nambiyur Taluk, Erode District, Tamil Nadu by Tmt. C. Sumathi– For Environmental Clearance (SIA/TN/MIN/415437/2023, dated 21.01.2023)

The proposal was placed in 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. 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, Tmt. C. Sumathi has applied seeking Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease over an extent of – 0.65.0 ha S.F.No. 41/1A (P) of Anjanur Village, Nambiyur Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under category “B2” of Item 1 (a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006, as amended.

Sl. No.	Details of the Proposal	
1.	Name of the Owner/Firm	Tmt. C. Sumathi, W/o. A. Nandhakumar, No.79-D, Avinasi Road,

  
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		Annur, Coimbatore District – 641 653										
2.	Type of quarrying	Rough Stone and Gravel										
3.	S.F No. of the quarry site	41/1A (P)										
4.	Village in which situated	Anjanur										
5.	Taluk in which situated	Nambiyur										
6.	District in which situated	Erode										
7.	Extent of quarry (in ha.)	0.65.0 ha Patta land										
8.	Latitude & Longitude of all corners of the quarry site	<table border="1"> <tr> <td>11°21'42.72"N</td> <td>77°15'31.65"E</td> </tr> <tr> <td>11°21'44.71"N</td> <td>77°15'31.11"E</td> </tr> <tr> <td>11°21'45.44"N</td> <td>77°15'34.06"E</td> </tr> <tr> <td>11°21'45.42"N</td> <td>77°15'34.21"E</td> </tr> <tr> <td>11°21'43.26"N</td> <td>77°15'34.90"E</td> </tr> </table>	11°21'42.72"N	77°15'31.65"E	11°21'44.71"N	77°15'31.11"E	11°21'45.44"N	77°15'34.06"E	11°21'45.42"N	77°15'34.21"E	11°21'43.26"N	77°15'34.90"E
11°21'42.72"N	77°15'31.65"E											
11°21'44.71"N	77°15'31.11"E											
11°21'45.44"N	77°15'34.06"E											
11°21'45.42"N	77°15'34.21"E											
11°21'43.26"N	77°15'34.90"E											
9.	Topo Sheet No.	58 E/07										
10.	Type of Mining	Open cast mechanized mining										
11.	Period of current mine plan	5 years										
12.	Lease period	5 years										
13.	Production (Quantity in m <sup>3</sup> )	Rough stone 36,100m <sup>3</sup> and Gravel 7,938 m <sup>3</sup>  The annual peak production shall not exceed 7,850m <sup>3</sup> of Rough Stone and 3,038m <sup>3</sup> of Gravel										
14.	<ul style="list-style-type: none"> <li>Proposed depth of mining in 5 years</li> <li>Ultimate Depth</li> </ul>	22m BGL  22m BGL										
15.	Depth of water table	73m-68m										
16.	Man Power requirement	12Nos										
17.	Water requirement:											
	7. Domestic & Flushing	0.2kLD										
	8. Dust suppression	0.5 kLD										
	9. Green Belt	0.3 kLD										
18.	Power requirement											
	5. Domestic	TNEB										
	6. Industrial	30,200 Liter of HSD will be utilized										
33.	Precise area communication approval letter	Rc.No.982/Mines/2021, Dated: 14.10.2022										
34.	Mining Plan approval letter	Rc.No. 982/Mines/2021 Dated: 11.11.2022										
35.	500m cluster letter	Rc.No. 982/Mines/2021 Dated: 11.11.2022										
36.	VAO certificate regarding habitations within 300m radius	Letter dated: Nil										
37.	Project Cost (excluding EMP)	Rs. 12,86,000/-										

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38.	EMP cost	Capital Cost: Rs 18,18,500/- Recurring Cost/Annum: 11,36,010/- + 5% cost inflation from 2 <sup>nd</sup> year
39.	CER Cost	Rs. 5.0 Lakh

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 Rough stone 36,100m<sup>3</sup> and Gravel 7,938 m<sup>3</sup> to the depth of 22m in 5 years and the annual peak production shall not exceed – 7,850m<sup>3</sup> of Rough Stone, 3,038m<sup>3</sup> of Gravel as 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 Metalliferrous Mines Regulations, 1961.
3. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
4. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30 m (or) during the 3<sup>rd</sup> year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of

- such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. Within one year of the commencement of mining operations, the Project Proponent shall carry out the scientific studies on 'Cumulative Impacts of the blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
  6. 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.
  7. 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.
  8. 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.
  9. 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.
  10. 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.
  11. 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.

  
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12. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
16. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakh** the amount to be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

**Agenda No: 372 - 15**

**(File No: 9736/2023)**

**Proposed Rough Stone quarry lease area over an extent of Extent 1.14.0 Ha at SF.No. 574/1(P) of Gurunathanaickanur Village, Dindigul West Taluk, Dindigul District, Tamil Nadu by Thiru. K. Kathiresan - For Environmental Clearance. (SIA/TN/MIN/414319/2023, Dated: 12.01.2023)**


The proposal was placed for appraisal in this 372<sup>nd</sup> 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](http://parivesh.nic.in)).

The SEAC noted the following:

1. The project proponent, Thiru. K. Kathiresan has applied for Environmental Clearance for the Proposed Rough Stone quarry lease area over an extent of Extent 1.14.0 Ha at SF.No. 574/1(P) of Gurunathanaickanur Village, Dindigul West Taluk, Dindigul 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.

  
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3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 56,595m<sup>3</sup> of Rough stone to a depth of Mining 32m below ground level.

The proposal is for mining of Rough Stone 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.K. Kathiresan, S/o. Kandasamy, No.1/60, Renganathapuram, Chettinaickanpatti Village, Dindigul District.
2.	Type of quarrying	Rough Stone Quarry
3.	S.F No. of the quarry site	574/1(P)
4.	Village in which situated	Gurunathanaickanur
5.	Taluk in which situated	Dindigul West
6.	District in which situated	Dindigul
7.	Extent of Quarry (in ha.)	1.14.0 ha
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast Semi-mechanized mining method.
10.	Production (Quantity in m <sup>3</sup> )	56.595m <sup>3</sup> of Rough stone
11.	Latitude & Longitude of all corners of the quarry site	10°29'36.48"N to 10°29'40.86"N 77°52'57.45"E to 77°53'01.17"E
12.	Topo sheet No.	58 -F/15
13.	Man power requirement per day:	20 Employees
14.	Precise Area Communication Letter approved by the Assistant Geologist / Assistant Director (i/c) with date	Na.Ka.No.500/Kanimam/2021, Dated: 14.10.2022.
15.	Mining plan approved by the Assistant Geologist / Assistant Director (i/c) of Geology & Mining with date	Rc.No.500/Mines/2021, Dated: 21.11.2022
16.	AD mines 500m cluster letter by the Assistant Geologist / Assistant Director (i/c) of Geology and Mining with date	Rc.No.500/Mines/2021, Dated: 21.11.2022
17.	Water requirement:	1.9 KLD 0.9 KLD

  
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	1. Drinking & domestic purposed 2. Dust Suppression 3. Green Belt	0.5 KLD 0.5 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 45,276 Liters of HSD.
19.	Depth of Mining	32m BGL
20.	Depth of Water table	55m in rainy season - 58m summer in season
21.	Project cost (Excluding EMP)	Rs. 51,04,000
22.	EMP cost	Capital cost: Rs. 8,53,000 Recurring cost: Rs. 8,54,655
23.	CER cost	Rs. 5 Lakhs
24.	VAO letter dated	16.11.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the depth of mining up to 32m BGL for a production quantity of 56,595 m<sup>3</sup> of rough stone. The annual peak production shall not exceed 11,450 m<sup>3</sup> of Rough Stone subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
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 CER cost is Rs. 5 lakhs and the amount shall be spent for the Ramakacoundanpatti Government Primary School as committed, before obtaining CTO from TNPCB.

**Agenda No: 372 - 16**  
**(File No: 9757/2023)**

  
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**Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 2.99.62 Ha at SF. No. 339/6, 339/7, 340/1A, 340/1B(P), 340/4A1 & 340/4D of Nedungulam Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu by Thiru. P. Rajagopal - For Environmental Clearance. (SIA/TN/MIN/415493/2023, Dated: 23.01.2023)**

The proposal was placed for appraisal in this 372<sup>nd</sup> 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. P. Rajagopal has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 2.99.62 Ha at SF. No. 339/6, 339/7, 340/1A, 340/1B(P), 340/4A1 & 340/4D of Nedungulam 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 1,61,865m<sup>3</sup> of Rough stone & 96,470m<sup>3</sup> of Gravel to a depth of Mining 35m below ground level.
4. SEAC directed to reduce the area of mining at north side. The revised production shall be as below:

**SUMMARY OF YEARWISE PRODUCTION**

YEAR	PRODUCTION AS PER APPROVED MINING PLAN @ 35m DEPTH		REVISED PRODUCTION AFTER LEAVING ADDITIONAL SAFETY BARRIER IN THE NORTHERN SIDE @ 25m	
	ROUGHSTONE (m <sup>3</sup> )	GRAVEL (m <sup>3</sup> )	ROUGHSTONE (m <sup>3</sup> )	GRAVEL (m <sup>3</sup> )
I	31,175	35,660	18,550	15,860
II	32,210	26,775	17,685	22,215
III	33,740	20,435	17,575	22,600

  
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IV	32,580	13,600	19,135	6,900
V	32,160	-	18,820	6,800
<b>Total</b>	<b>1,61,865</b>	<b>96,470</b>	<b>91,765</b>	<b>74,375</b>

The revised production capacity is 91,765m<sup>3</sup> of Rough stone and 74,375m<sup>3</sup> of Gravel for a period of 5 years up to a depth of 25m as against the mining plan approved quantity of 1,61,865 m<sup>3</sup> of Rough stone and 96,470m<sup>3</sup> of Gravel for a period of 5 years up to a depth of 35m.

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	Thiru. P. Rajagopal S/o. Petchimuthu No.4/15, North Street, Kombankulam Village, Sathankulam Taluk, Thoothukudi District – 628704.
2.	Type of quarrying	Rough Stone & Gravel Quarry
3.	S.F No. of the quarry site	339/6, 339/7, 340/1A, 340/1B(P), 340/4A1 & 340/4D
4.	Village in which situated	Nedungulam
5.	Taluk in which situated	Sathankulam
6.	District in which situated	Thoothukudi
7.	Extent of Quarry (in ha.)	2.99.62 ha
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast Semi-mechanized mining method.
10.	Production (Quantity in m <sup>3</sup> )	91,765m <sup>3</sup> of Rough stone & 74,375m <sup>3</sup> of Gravel
11.	Latitude & Longitude of all corners of the quarry site	08°27'11.20"N to 08°27'21.05"N 77°51'37.07"E to 77°51'44.27"E
12.	Topo sheet No.	58 - H/15
13.	Man power requirement per day:	10 Employees
14.	Precise Area Communication Letter approved by the District Collector with date	Na.Ka.No.G.M.1/1043/2021, Dated: 10.11.2022.

15.	Mining plan approved by the Assistant Geologist / Assistant Director (i/c) of Geology & Mining with date	Roc.No.G.M.1/1043/2021, Dated: 08.12.2022
16.	AD mines 500m cluster letter by the Assistant Geologist / Assistant Director (i/c) of Geology and Mining with date	Roc.No.G.M.1/1043/2021, Dated: 08.12.2022
17.	Water requirement: 4. Drinking & domestic purposed 5. Dust Suppression 6. Green Belt	7.0 KLD 1.0 KLD 3.0 KLD 3.0 KLD
18.	Power requirement: c. Domestic purpose	TNEB
19.	Depth of Mining	25m BGL
20.	Depth of Water table	60m BGL.
21.	Project cost (Excluding EMP)	Rs. 50,09,000
22.	EMP cost	Capital cost: Rs. 20.74 Lakhs Recurring cost: Rs. 13.68 Lakhs
23.	CER cost	Rs. 5 Lakhs
24.	VAO letter dated	29.11.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the depth of mining up to 25m BGL for a production quantity of 97,765 m<sup>3</sup> of rough stone & 74,375 m<sup>3</sup> of Gravel for five years. The annual peak production shall not exceed 19,135 m<sup>3</sup> of Rough Stone and 22,600 m<sup>3</sup> 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 proponent shall leave the top portion near the road and shall convert that parcel of land as Green Belt and shall carry out mining activity in the bottom portion.
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

  
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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 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 / 10 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 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.
9. 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.

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

  
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18. As accepted by the Project proponent the CER cost is Rs. 7 lakhs, out of which Rs. 2 Lakhs for Government Primary School, Pannamparai Village and Rs. 5 Lakhs Conservation of Koonthankulam Bird Sanctuary (DFO, Tirunelveli District) and the amount shall be spent as committed, before obtaining CTO from TNPCB.

**Agenda No: 372-17**

**(File No: 9737/2023)**

**Proposed Rough Stone quarry Lease over an extent of 3.20.0 Ha at S.F.No. 352/2 (Part-3) in Chokkampatti Village, Melur Taluk, Madurai District, Tamil Nadu by Thiru. S. Maheswaran – For Environmental Clearance. (SIA/TN/MIN/414539/2023 dated.13.01.2023)**

The proposal was placed for appraisal in this 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. 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, Thiru. S. Maheswaran has applied for Environmental Clearance for the Proposed Rough Stone quarry Lease over an extent of 3.20.0 Ha at S.F.No. 352/2 (Part-3) in Chokkampatti Village, Melur Taluk, Madurai 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. Earlier appl No. **SIA/TN/MIN/199393/2021** dt: **21.02.2021** (File No. 8376/2021) was appraised vide 262<sup>nd</sup> meeting of SEAC held on 08.04.2022. 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*

  
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*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 **Valaicheriapatti** 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 and same was accepted in 507<sup>th</sup> meeting of SEIAA held on 12.05.2022.**

4. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

*“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”.*


5. Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.
6. Now, the Proponent has resubmitted the same proposal vide online application No. **SIA/TN/MIN/411959/2022 dated.24.12.2022** (File No. 9737/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

Description	Old File	New File
File No	8376	9737
Online Proposal No for EC	SIA/TN/MIN/199393/2021 dt: 21.02.2021	SIA/TN/MIN/411959/2022 dated.24.12.2022

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

Sl. No	Details of the Proposal	Data Furnished
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1	Name of the Owner/Firm	Thiru. S. Maheswaran, S/o. Sangaiah, Door No. 501, Thamarakki South, Thamarakki, Sivagangai District – 630 562.
2	Type of quarrying	Rough Stone Quarry
3	S.F No. of the quarry site	352/2 (Part-3)
4	Village in which situated	Chokkampatti
5	Taluk in which situated	Melur
6	District in which situated	Madurai
7	Extent of quarry (in ha.)	3.20.0ha
8	Latitude & Longitude of all corners of the quarry site	10°13'42.26"N to 10°13'50.58"N 78°21'06.29"E to 78°21'14.45"E
9	Topo Sheet No.	58-J/08
10	Type of mining	Opencast Mechanized Mining Method
11	Lease Period	5 years
12	Period of quarrying proposed	5 years
13	Production (Quantity in m <sup>3</sup> )	6,93,420m <sup>3</sup> of Rough Stone & 18,463m <sup>3</sup> of gravel
14	Depth of mining	61m from the existing ground profile (16m AGL + 45m BGL)
15	Depth of water table	70m – 65m
16	Man Power requirement	36 Nos
17	Water requirement:	3.5 KLD
	10. Domestic & Drinking Purpose	1.0 KLD
	11. Dust suppression	1.5 KLD
	12. Green Belt	1.0 KLD
18	Power requirement	5,57,816 liters of HSD for the entire project life

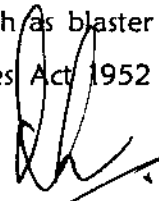
19	Precise area communication approved by Joint Director/ Assistant Director (i/c), Dept. of G&M with date	Roc.No.77/2021-Mines, dated: 05.02.2021.
20	Mining Plan approved by the Joint Director/Assistant Director (i/c), Dept. of Geology and Mining with date	Roc.No.77/2021-Mines, dated: 10.02.2021.
21	500m cluster letter issued by the Joint Director/ Assistant Director (i/c), Dept. of Geology and Mining with date	Roc.No.77/2021-Mines, dated:10.02.2021.
22	VAO certificate regarding habitations in 300m radius	Furnished (Dated Nil)
23	Project Cost (excluding EMP)	Rs.1,74,69,000/-
24	EMP cost	<b>Capital Cost: Rs.31,87,000/-</b> <b>Recurring Cost: Rs.30,29,128/-</b>

SEAC considering the safety aspects, decided to recommend the proposal for the grant of Environmental Clearance for the restricted production quantity of **6,91,780m<sup>3</sup> of rough stone & 18,463m<sup>3</sup> of gravel with annual peak production capacity not exceeding 1,65,980m<sup>3</sup> of rough stone recoverable for an ultimate depth of 61m (16m Above Ground Level + 45m Below ground level)** subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier **vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
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 proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. **The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest/Reserve Land at a distance of less than 1km from the project site:**
  - i. 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.
  - ii. 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.
  - iii. 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.
  - iv. 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.

- v. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- vi. 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.
- vii. 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 placed within the lease hold area ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- viii. 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.
- ix. 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.
- x. 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.
- xi. 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.
- xii. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 20° or more / areas with a high degree of erosion on forestland.

  
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- xiii. 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.
  - xiv. The PP shall not use plastic carry bags within the quarry area.
  - xv. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
  - xvi. 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.
7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
9. 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.

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 carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
13. 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.
14. 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.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be

  
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- diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
17. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
18. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
19. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent towards the Government Higher Secondary School, Chokkampatti Village, Melur Taluk, Madurai District for the committed activities, before obtaining CTO from TNPCB.

Agenda No: 372-18 *9751*  
(File No: 9571/2023)

**Proposed Rough Stone & Gravel quarry Lease over an extent of 2.05.00 Ha at S.F.No. 403 in Palamadai Village, Tirunelveli Taluk, Tirunelveli District, Tamil Nadu by Thiru. A. Sundara Rajan – For Environmental Clearance.**  
(SIA/TN/MIN/414700/2023 dated.20.01.2023)

The proposal was placed for appraisal in this 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. 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, **Thiru. A. Sundara Rajan** has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry Lease over an extent of 2.05.00 Ha at S.F.No. 403 in Palamadai Village, Tirunelveli Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item 1(a) "Mining of Minerals Project" of the Schedule to the EIA Notification,2006.

Based on the presentation and details furnished by the project proponent, the committee after detailed discussions decided to consider the proposal after the receipt of the following details from the project proponent:

- i) The proponent shall furnish details on the water bodies located within a radius of 50m, 100m, 200m & 300m from the proposed project site.

  
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- ii) The proponent shall furnish the authenticated village map corresponding to the proposed project site.

**Agenda No: 372-19**

**(File No: 9758/2023)**

**Proposed Rough Stone & Gravel quarry Lease over an extent of 1.23.0 Ha at S.F.No. 162/2 (Part) in Therkuilandaikkulam Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru. P. Mohamed Kasim – For Environmental Clearance.**

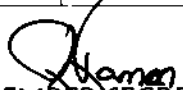
**(SIA/TN/MIN/414586/2023 dated. 21.01.2023)**

The proposal was placed for appraisal in this 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. 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, **Thiru. P. Mohamed Kasim** has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry Lease over an extent of 1.23.0 Ha at S.F.No. 162/2 (Part) in Therkuilandaikkulam Village, Kayathar 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	Thiru.P. Mohamed Kasim, S/o. Peer Mohamed, 56A1/7, Fathima Nagar, Kayathar Taluk, Thoothukudi District – 628952.
2	Type of quarrying	Rough Stone & Gravel Quarry
3	S.F No. of the quarry site	162/2 (Part)
4	Village in which situated	Therkuilandaikkulam
5	Taluk in which situated	Kayathar
6	District in which situated	Thoothukudi

  
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7	Extent of quarry (in ha.)	1.23.0 Ha
8	Latitude & Longitude of all corners of the quarry site	8°57'41.28"N to 8°57'46.37"N 77°45'14.68"E to 77°45'18.41"E
9	Topo Sheet No.	58H/13
10	Type of mining	Opencast Semi mechanized Method
11	Lease Period	5 years
12	Period of quarrying proposed	5 years
13	Production (Quantity in m <sup>3</sup> )	1,42,079m <sup>3</sup> of Rough Stone, and 18,326m <sup>3</sup> of gravel
14	Depth of mining	35m Below Ground Level
15	Depth of water table	55m – 50m BGL
16	Man Power requirement	12 Nos.
17	Water requirement:	5.000 KLD
	13. Drinking water	0.350 KLD
	14. Utilized water	0.650 KLD
	15. Dust suppression	2.000 KLD
	16. Green Belt	2.000 KLD
18	Power requirement	1,16,714 liters of HSD for 5 years
19	Precise area communication approved by Assistant Geologist/ Assistant Director (i/c), Dept. of Geology & Mining with date	Rc.No.G.M.1/246/2020 dated: 27.12.2022.
20	Mining Plan approved by Assistant Geologist/ Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.G.M.1/246/2020 dated: 06.01.2023.
21	500m cluster letter issued by the Assistant Geologist/ Assistant Director (i/c), Dept. of Geology and Mining with date	Rc.No.G.M.1/246/2020 dated: 10.01.2023
22	VAO certificate regarding habitations in 300m radius	Dated.11.01.2023
23	Project Cost (excluding EMP)	Rs. 34,50,000/-

24	EMP cost	Capital Cost: Rs.24,39,741/- Recurring Cost: Rs.15,05,730/-
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Based on the presentation and documents furnished by the project proponent, after detailed deliberations, **SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 1,42,079m<sup>3</sup> of Rough Stone, and 18,326m<sup>3</sup> of gravel with maintaining an ultimate depth of 35m Below ground level and the annual peak production of not exceeding 28,945m<sup>3</sup> 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 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.

  
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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. **5 lakhs** and the amount shall be spent for the Government High School, North Illanthaikulam for the activities as committed, before obtaining CTO from TNPCB.

**Agenda No: 372 - 20**  
**(File No: 9752/2023)**

**Proposed Rough Stone & Gravel Quarry over an extent of 4.90.5Ha in SF.No. 1085, 1086, 1088, 1089/1 & 1089/2 at Seliyanallur Village, Manur Taluk, Tirunelveli District, Tamil Nadu by Thiru.K.Ayyadurai- For Environmental Clearance. (SIA/TN/MIN/415048/2023 Dt. 21.01.2023)**

The proposal was placed in the 372<sup>nd</sup> SEAC Meeting held on 27.04.2023. 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.K.Ayyadurai has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry over an extent of 4.90.5Ha in SF.No. 1085, 1086, 1088, 1089/1 & 1089/2 of Seliyanallur Village, Manur Taluk, Tirunelveli District, Tamil Nadu.

  
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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 5 years. The mining plan is for the period of five years & the production should not exceed 9,72,060m<sup>3</sup> of Rough Stone ,1,90,545m<sup>3</sup> of Weathered rock & 1,22,643m<sup>3</sup> of Gravel with an ultimate depth of mining is 48m BGL. The annual peak production is 1,96,800m<sup>3</sup> of Rough Stone (3<sup>rd</sup> ,4<sup>th</sup> & 5<sup>th</sup> Year) , 70,545m<sup>3</sup> of Weathered rock (1<sup>st</sup> year) & 48627m<sup>3</sup> of Gravel (1<sup>st</sup> Year) .

Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Thiru.K.Ayyadurai S/o Kothandaramar No.1/244, West Street, South Elanthaikulam Kayathar Thoothukudi District
2	Type of quarrying	Rough Stone & Gravel
3	S.F No. of the quarry site	1085, 1086, 1088, 1089/1 & 1089/2
4	Village in which situated	Seliyanallur
5	Taluk in which situated	Manur
6	District in which situated	Tirunelveli
7	Extent of quarry (in ha.)	4.90.50 Ha
8	Latitude & Longitude of all corners of the quarry site	08°55'19.45"N to 08°55'28.10"N 77°43'14.60"E to 77°43'25.50"E
9	Topo Sheet No.	58-H/9
10	Type of mining	Opencast semi Mechanized Mining
11	Period of current mine plan	5 years
12	Production (Quantity in m <sup>3</sup> )	As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 9,72,060m <sup>3</sup> of Rough Stone & 1,90,545m <sup>3</sup> of Weathered rock & 1,22,643m <sup>3</sup> of Gravel with an ultimate depth of mining is 48m BGL. The annual peak production is 1,96,800m <sup>3</sup> of Rough Stone (3 <sup>rd</sup> ,4 <sup>th</sup> & 5 <sup>th</sup> Year), 70,545m <sup>3</sup> of Weathered rock (1 <sup>st</sup> year) & 48627m <sup>3</sup> of Gravel (1 <sup>st</sup> Year).
13	Depth of mining	48m Below Ground level



14	Depth of water table	60m BGL
15	Man Power requirement	25 Employees
16	Water requirement: 1. Drinking water 2. Dust suppression 3. Green Belt 4. Domestic purpose	<b>10 KLD</b> 1.0 KLD 6.0 KLD 2.0 KLD 1.0 KLD
17	Power requirement	TNEB -
18	Precise area communication approved by the Joint Director / Assistant Director(i/c), Department of Geology and Mining with date	Roc.No.M2/33994/2022, dated:08.12.2022
19	Mining Plan approved by Joint Director/ Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.M2/33994/ 2022, dated:19.12.2022
20	500mts letter approved by the Joint Director / Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.M2/33994/ 2022, dated:19.12.2022
21	VAO certificate regarding 300m radius cluster	Letter dated:19.12.2022
22	Project Cost	Rs. 2,49,26,000
23	EMP cost	Rs.242.49 Lakhs
24	CER cost	Rs.6 Lakhs

YEAR	Production As Per Approved Mining Plan			Revised Production after leaving Additional Safety Barrier in the South Western Side		
	Rough stone (m <sup>3</sup> )	Weathered rock (m <sup>3</sup> )	Gravel (m <sup>3</sup> )	Rough stone (m <sup>3</sup> )	Weathered rock (m <sup>3</sup> )	Gravel (m <sup>3</sup> )
I	1,88,535	70,545	48,627	1,32,950	50,625	35,112
II	1,93,125	30,000	18,504	1,34,450	25,625	16,359
III	1,96,800	30,000	18,504	1,37,600	26,875	17,157

  
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IV	1,96,800	30,000	18,504	1,37,600	26,875	17,157
V	1,96,800	30,000	18,504	1,34,400	26,250	16,758
<b>Total</b>	<b>9,72,060</b>	<b>1,90,545</b>	<b>1,22,643</b>	<b>6,77,000</b>	<b>1,56,250</b>	<b>1,02,543</b>

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 6,77,000m<sup>3</sup> of Rough Stone, 1,56,250m<sup>3</sup> of Weathered rock & 1,02,543m<sup>3</sup> of Gravel to a depth of 48m BGL with annual peak production shall not exceed 1,37,600m<sup>3</sup> of Rough Stone, 50,625m<sup>3</sup> of Weathered rock & 35,112m<sup>3</sup> of Gravel as 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. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30m (or) during the 3<sup>rd</sup> year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna

- University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
5. 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.
  6. 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.
  7. 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.
  8. 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.
  9. 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.
  10. 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.

  
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11. 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.
12. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
13. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
14. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
15. As accepted by the Project proponent the CER cost is Rs.6,00,000 lakhs and the amount shall be spent for the Government Primary School, Keela Seliyanallur Village as committed, before obtaining CTO from TNPCB.

**Agenda No: 372-21**

**(File No: 964/2022)**

**Construction of residential complex at S.F.No. 24/1, 24/3A1A, 24/3A1B, 24/9, 24/10 & 26/3 of Sundharacholavaram Village, Poonamallee Taluk, Thiruvallur District, Tamilnadu by M/s. R.M.K Construction & Housing - For Amendment in Environmental Clearance issued. (SIA/TN/MIS/297900/2023 dated.21.02.2023)**

The proposal was placed in 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. 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 was issued with Environmental Clearance vide Letter No. SEIAA/TN/F.964/EC/ 8(a)/ 174 /2013 dated: 11.06.2013 in the name of **M/s. R.M.K Construction & Housing.**
2. Subsequently the PP was issued with amendment in the above said Environmental Clearance vide Letter No. SEIAA/TN/F.964/A/ 8(a)/2013 dt:16.07.2013.

  
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3. Further, the proponent was issued with extension of validity of Environmental Clearance vide Letter No. SEIAA/TN/F.964/A/ 8(a)/EC-174/2013 dt:17.06.2022.
4. Now, the proponent has submitted an application requesting the following amendment in the EC issued earlier:

S. NO.	DESCRIPTION	APPROVED IN 276 <sup>th</sup> SEAC MEETING	SEEKING AMENDMENT	REMARKS
1	CER Condition	As accepted, the PP shall provide free education including free hostel accommodation with food for 50 Nos. of poor students per year, from Govt Schools who are admitted in educational institutions run by the PP	Construction of library building and supply of books to the library for 5 Govt. schools in nearby villages namely Chinnambedu, Puduvoyal, Peruvoyal, Kavarapettai, Poochiathipedu in Tiruvallur District.	The educational institution mentioned in the minutes are run by separate Trusts and Construction Company i.e, RMK Construction and Housing is a separated entity distinct from the Trusts which run the Educational Institutions. RMK Construction and Housing cannot ask the Trusts to accommodate 50 nos. of poor students per year from govt. Schools in the Trust run by Educational Institutions. Moreover, these higher educational

  
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				Institutions are having "autonomous Status" and are governed by AICTE Rules and Regulations.
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Earlier, the proposal was placed in 350<sup>th</sup> meeting of SEAC held on 02.02.2023. Based on the presentation & details furnished by the PP, the SEAC decided to recommend the following amendment, in the existing EC issued subject to the condition that all other conditions stipulated in the Environmental Clearance issued vide Letter No. SEIAA/TN/F.964/EC/ 8(a)/ 174 /2013 dt: 11.06.2013, Letter No. SEIAA/TN/F.964/A/ 8(a)/2013 dt:16.07.2013 & Letter No. SEIAA/TN/F.964/A/ 8(a)/EC-174/2013 dt:17.06.2022 shall remain unaltered.

S. NO.	DESCRIPTION	APPROVED IN 276 <sup>th</sup> SEAC MEETING	AMENDMENT RECOMMENDED
1	CER Condition	As accepted, the PP shall provide free education including free hostel accommodation with food for 50 Nos. of poor students per year, from Govt Schools who are admitted in educational institutions run by the PP	As accepted, the PP shall undertake the renovation and maintenance of toilets and construction of library buildings – including supply of furniture and books to the library for 5 Govt. schools in nearby villages namely Chinnambedu, Pudevoyal, Peruvoyal, Kavrapettai, Poochiathipedu in Tiruvallur District.

Subsequently, The subject was placed in 601<sup>st</sup> authority meeting held on 13.03.2023.

The Authority during discussions, noted the following:

1. The Project Proponent was issued with Environmental Clearance vide Letter No. SEIAA/TN/F.964/EC/ 8(a)/ 174 /2013 dated: 11.06.2013 in the name of **M/s. R.M.K Construction & Housing.**

  
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2. Subsequently the PP was issued with amendment in the above said Environmental Clearance vide Letter No. SEIAA/TN/F.964/A/ 8(a)/2013 dt:16.07.2013.
3. Further, the proponent was issued with extension of validity of Environmental Clearance vide Letter No. SEIAA/TN/F.964/A/ 8(a)/EC-174/2013 dt:17.06.2022.
4. Now, the proponent has submitted an application requesting for amendment in the extension EC issued earlier dated.17.06.2022 & the SEAC has furnished it's recommendations for the amendment in it's 350<sup>th</sup> meeting.
5. When the proposal was placed for appraisal in the 595<sup>th</sup> meeting of the authority, the Authority during discussions noted that there is a discrepancy in the online application submitted by the proponent. Hence, the authority after detailed discussions decided to defer the proposal.
6. Accordingly, the proponent has rectified and submitted a fresh amendment proposal in the PARIVESH Portal vide Proposal number SIA/TN/MIS/297900/2023 dated.21.02.2023.

In view of this, the authority after detailed deliberations decided to forward the proposal to SEAC for appraisal and remarks.

In this regard, the proposal is again placed in this 372<sup>nd</sup> meeting of SEAC held on 27.04.2023. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to **reiterate its recommendation** already made in 350<sup>th</sup> SEAC meeting held on 02.02.2023. All other conditions stipulated in the earlier minutes will remain unaltered.


**Agenda No.372-22**

**(File No. 5010/2016)**

**Proposed Grey Granite Quarry over an extent of 2.10.5 Hectare at S.F.No: 248/3A1B(P) & 248/3B1(P) of Soolamalai Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.C.Rajendran - For Environmental Clearance. (SIA/TN/MIN/42034/2021 dated 22.01.2016)**

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

**The SEAC noted the following:**

  
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1. The Project Proponent Thiru.C.Rajendran has applied for Environmental Clearance Proposal for quarrying Grey Granite over an extent of 2.10.5 Hectare at S.F.No: 248/3A1B(P) & 248/3B1(P) of Soolamalai Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The lease period is for 20 years.
3. Earlier, the proposal was placed for appraisal in the 339<sup>th</sup> meeting of SEAC held on 22.12.2022. Based on the presentation & details furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein.
4. Subsequently, the proposal was placed in 584<sup>th</sup> authority meeting held on 12.01.2023. The authority, after detailed deliberations, decided to consider the proposal after obtaining the following from the project proponent:

- i) The proponent has stated that the next scheme of mining is submitted for approval from the competent authority and as per the **Rule 12 (5) of MCDR 1988** *".....If approval or refusal of the scheme of mining is not conveyed to the holder of the mining lease within the stipulated period the scheme of mining shall be deemed to have been provisionally approved and such approval shall be subject to final decision whenever communicated...."*.

In this regard, the proponent shall furnish a copy of the acknowledgement issued by the Dept. of Geology & Mining for the submission of next scheme of mining for approval so as to consider it deemed to be approved.

- ii) A letter from the Director/ Assistant Director of Department of Geology and Mining regarding the existing, proposed, lease expired, and abandoned quarries situated within 500m radial distance of the proposed quarry.
- iii) A letter obtained from Village Administrative Officer stating the habitations, river bodies, temples, school/colleges and other structures of importance, etc situated in the radius of 300m from the proposed site.

  
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5. The proponent vide letter dated.23.02.2023, has submitted the above details sought by the Authority.
6. In view of this, the proposal is again placed in the 601<sup>st</sup> authority meeting held on 13.03.2023. The Authority after detailed discussions decided to forward the proposal to SEAC for the following:
  - i) From the details furnished by the proponent, it is noted that the proponent has submitted draft copies of scheme of mining to the Director, Dept. of Geology & Mining for approval on 20.06.2018. The proponent shall furnish details on repeated correspondence made to Dept.of Geology & Mining, if any, for approval after the date of submission.
  - ii) It is not known whether the Director of Geology & Mining department has made any remarks/ objections to the plan submitted. The same shall be verified through relevant proofs/documents.
  - iii) The Committee shall review the other additional details furnished by the proponent and furnish its remarks/recommendations.
7. In view of the above, the proposal is again placed in this 372<sup>nd</sup> meeting of SEAC held on 27.04.2023.

During the meeting, the Committee noted that the project proponent was absent. Hence the subject was not taken up for discussion. Further, the Committee decided that the project proponent shall furnish the reason for his absence.

**Agenda No. 372 – 23.**


**(File No. 8618/2021)**

**Proposed of Rough Stone Quarry lease over an extent of 3.96.5Ha Patta Land in S.F.No.738 Panchakshipuram Village, Hosur Taluk, Krishnagiri District, Tamilnadu by Thiru.S.G.Anand Kumar - for Environmental Clearance. (SIA/TN/MIN/405426/2022, dt.05.11.2022)**

The proposal was placed in 350<sup>th</sup> SEAC meeting held on 02.02.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proposed quarry/activity is covered under Category “B1” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
2. The ToR was issued vide No. SEIAA-TN/F. No. 8618/SEAC/ToR- 1024/2021 Dated: 26.08. 2021.to Thiru.S.G.Anand Kumar for the Proposed of Rough Stone

  
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Quarry lease over an extent of 3.96.5Ha Patta Land in S.F.No.738 Panchakshipuram Village, Hosur Taluk, Krishnagiri District, Tamilnadu.

3. Minutes of public hearing conducted on 18.05.2022
4. Final EIA report submitted on 14.10.2022
5. Now, the Project Proponent, Thiru.S.G.Anand Kumar has applied for Environmental Clearance with EIA report along with minutes of public hearing for the Proposed of Rough Stone Quarry lease over an extent of 3.96.5Ha Patta Land in S.F.No.738 Panchakshipuram Village, Hosur Taluk, Krishnagiri District, Tamilnadu.
6. The precise area communication/lease is issued for the period of 10 years. The approved mining plan is for the period of five years & production should not exceed 591425 cu.m of rough stone & 63040 cu.m of Topsoil and the annual peak production shall not exceed 1,46,950 m<sup>3</sup> of rough stone (2<sup>nd</sup> Year). The ultimate depth is 32m (11m AGL + 21m BGL).

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

Sl. No	Details of the Proposal	:	Data Furnished
1	Name of the Owner/Firm	:	Thiru S.G. Anand Kumar S/o Gowdappa No 45/70KA 4 <sup>th</sup> Cross, Indra Nagar, Hosur Town & Taluk, Krishnagiri
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone
3	S.F No. Of the quarry site with area break-up	:	738
4	Village in which situated	:	Panchakshipuram
5	Taluk in which situated	:	Hosur
6	District in which situated	:	Krishnagiri
7	Extent of quarry (in ha.)	:	3.96.5Ha
8	Latitude & Longitude of all corners of the quarry site	:	12°35'58.20" N to 12°35'50.65"N 77°47'40.76"E to 77°47'34.24"E
9	Topo Sheet No.	:	57- H/14
10	Type of mining	:	Opencast Semi-Mechanized of Mining

11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m <sup>3</sup> )	:	591425 cu.m of rough stone & 63040 cu.m of Topsoil and the annual peak production shall not exceed 1,46,950 m <sup>3</sup> of rough stone (2 <sup>nd</sup> Year)
13	Depth of quarrying	:	32m (11m AGL + 21m BGL)
14	Depth of water table	:	60m – 44m
15	Man Power requirement per day:		15 Nos.
16	Source of Water Requirement		Water Vendors and Existing borewell
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 9. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	1.0 KLD 1.5 KLD 1.5 KLD
18	Power requirement		TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the Assistant Director, G&M with date	:	Rc.No.1077/2018/Mines, dated: 24.02.2021.
21	Mining Plan approved by Assistant Director (Addl. Charge), Department of Geology and Mining with date	:	Rc.No.1077/2018/Mines, dated: 03.03.2021.
22	Assistant Director(Addl Charge), mines 500m cluster letter		Rc.No.1077/2018/Mines, dated: 03.03.2021.
23	VAO certificate regarding 300m radius cluster		Letter dated: 18.06.2021
24	Project Cost (excluding EMP cost)	:	Rs.38.30 Lakhs
25	EMP cost	:	EMP Cost – Rs. 2.08 Crores /10 Years including capital & recurring cost with 5% inflation cost anticipated every year.
26	CER cost		Rs. 10 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 ultimate depth of mining upto 32m (11m AGL + 21m BGL) and the quantity of 591425

  
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cu.m of rough stone & 63040 cu.m of Topsoil and the annual peak production shall not exceed 1,46,950 m<sup>3</sup> of rough stone (2<sup>nd</sup> Year) subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF & CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
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 Metalliferrous Mines Regulations, 1961.
3. The PP shall ensure that the benches shall be constructed from top to downwards while working above ground with proper haul road accessibility in accordance with the provisions of MMR 1991.
4. The Project Proponent (PP) shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region before obtaining the CTO and get the necessary statutory permission under the MMR 1961 pertaining to the quarry working operations.
5. The PP shall ensure that all the statutory competent persons and non-statutory workmen have undergone the 'Refresher' training under Mines Vocational Training Rules 1961 in Group Vocational Training Centre, Salem (or) Trichy before obtaining the CTO.
6. The Project Proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
7. However, the Project Proponent shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry within the three years from the commencement of quarrying operations, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and



Anna University Chennai-CEG Campus etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

8. The proponent shall create a separate bank account and shall deposit the cost allocated for the committed EMP activities every year and the said expenditure details spent on the committed EMP activities shall be maintained & periodically submitted to TNPCB.
9. Since the habitations are located at a distance of 840 m and few houses are located sparsely within 400 m to 600 m range from the lease boundary, the PP shall carry out the scientific studies within a period of six months from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', by involving any of these reputed Research and Academic Institution -s CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without deviation.
10. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
11. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 2 years of operation whichever is earlier, by involving any of these reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

  
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12. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
13. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
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 only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
16. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haul roads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
17. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
18. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
19. 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.
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. 10 lakhs and the amount shall be spent for the Govt. Higher Secondary School, Machinayakanpalli Village.

Hosur Taluk, Krishnagiri District as committed, before obtaining CTO from TNPCB.

Subsequently, the subject was placed in 595<sup>th</sup> authority meeting held on 20.02.2023 & 21.02.2023. The authority noted that a public complaint Dt:02.02.2023 was received this office Dt:02.02.2023. In this regard, Authority after detailed discussion decided to refer back the proposal to SEAC for remarks & recommendation.

This proposal was again placed in 372<sup>nd</sup> SEAC meeting held on 27.04.2023. The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to **reiterate its recommendation** already made in 350<sup>th</sup> SEAC meeting held on 02.02.2023. All other conditions stipulated in the earlier minutes will remain unaltered.

  
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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.





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

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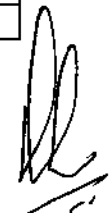
**Appendix - I**  
**List of Native Trees Suggested for Planting**

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புள்ளை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetenia</i>	Purasamaram	பரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலை
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகளை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
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>Limonia acidissima</i>	Vila maram	விளா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிரம்பா பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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

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

-----சரங்கம்

சரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/----- தேதி/பி.பி.பி.பி. சுற்றுச்சூழல் அனுமதி ----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான சரங்கத் திட்டம்	குவாரியின் எல்லைமைச் சுற்றி வேலி அமைக்க வேண்டும் சாங்கப்பாளையின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் தீருக்க வேண்டும். காந்தில் மாக ஏற்படாதவாறு சரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை	வகைகள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இசைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லைமை சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
சரங்கத்தில் வெடி வைக்கும்பொழுது நில அதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்	
சரங்கத்தில் இருந்து ஏற்படும் இசைச்சல் அளவு 85 டி.சி.பி.எஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
சரங்க சட்ட விதிகள் 1968ன் கீழ் சரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுகாதாரமுள்ள ஆய்வுகளை வசதிகளை செய்ய தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வழியாக வாசனங்கள் செல்லும் சாலைமை தொடர்ந்து தன்கு பராமரிக்க வேண்டும்.	
சரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் தீருப்பதை உறுதி செய்யும் வகையில் திலத்தா தீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்லு கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வகைகளை தீயக்க வேண்டும்.	
சரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சங்க மூடல் திட்டத்தில் உள்ளவாறு சரங்கத்தினை மூட வேண்டும்.	
சரங்க நடவடிக்கைகளை முடித்தபின்னர் சரங்கப் பகுதி மற்றும் சரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய துவங்கும் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகமைப்பகுதியை உருவாக்க வேண்டும்.	
(முழுமையான நிபந்தனைகளை அரிய பாதிவேஷ ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்னைவில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்	

  
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