

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of 316<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 30.9.2022 September 2022 (Friday) 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: 316 – 01

(File No: 9248/2022)

Proposed Earth quarry lease over an extent of 2.27.5 Ha at S.F.No. 69/6B, 74/1A, 74/1B, 74/1C, 74/2A, 74/2B, 74/2C, 74/4, 74/7 & 74/8 Chinnakumatti Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by Thiru.S.Siva Sankar for Environmental Clearance (SIA/TN/MIN/271498/2022, Dt.06.05.2022)

Earlier, this proposal was placed in the 301<sup>th</sup> Meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

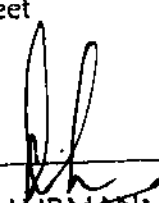
The SEAC noted the following

1. The Project Proponent, Thiru.S.Siva Sankar has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 2.27.5 Ha at S.F.No.69/6B,74/1A,74/1B,74/1C,74/2A, 74/2B,74/2C,74/4, 74/7, &74/8 Chinnakumatti Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication is issued for the period of 2 years. The approved mining plan is for the period of 2 years & production should not exceed 30644 Cu.m of Earth. The annual peak production is 16290 Cu.m of Earth (2<sup>nd</sup> Year). The ultimate depth is 2m BGL.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. S. Sivasankar S/o. Shanmugam No.165, Post Officer Street Poovalai Bhuvanagiri Cuddalore-608601

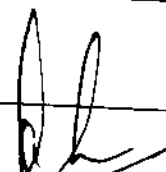
  
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2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Earth
3	S.F No. Of the quarry site with area break-up	:	69/6B, 74/1A, 1B, 1C, 2A, 2B, 2C, 4, 7 & 8.
4	Village in which situated	:	Chinnakumatti
5	Taluk in which situated	:	Cuddalore
6	District in which situated	:	Cuddalore
7	Extent of quarry (in ha.)	:	2.27.5Ha
8	Latitude & Longitude of all corners of the quarry site	:	11°29'51.26"N to 11°29'57.71"N 79°42'28.69"E to 79°42'35.01"E
9	Topo Sheet No.	:	58 - M/11
10	Type of mining	:	Opencast Method Shallow of Mining
11	Period of quarrying proposed	:	2 years
12	Production (Quantity in m <sup>3</sup> )	:	30644m <sup>3</sup> of Earth
13	Depth of quarrying	:	2m below ground level
14	Depth of water table	:	25m-20m BGL
15	Man Power requirement per day:	:	8 Nos.
16	Source of Water Requirement	:	water vendors & Bore well
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	1.4 KLD 0.8 KLD 0.4 KLD 0.2 KLD
18	Power requirement	:	TNEB
19	Whether any habitation within 300m distance	:	No

  
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20	Precise area communication approved by the, Assistant Director, Geology and Mining with date	:	Rc.No.12/Mines/2022, dt:10.03.2022
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.12/Mines/2022, dt:30.03.2022
22	Assistant Director, Department of Geology and Mining 500m cluster letter	:	Rc.No.12/Mines/2022, dt:30.03.2022
23	VAO certificate regarding 300m radius cluster	:	Letter dt: 12.03.2022
24	Project Cost (excluding EMP cost)	:	Rs.22.78 Lakhs
25	EMP cost	:	Capital Cost – Rs. 6.28 Lakhs. Recurring Cost – Rs. 6.346 Lakhs.
26	CER cost	:	Rs.2 Lakhs

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions.

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

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,

  
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- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

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

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment and the same shall be authorised by AD/DD, Geology & Mining Dept., Cuddalore District.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.
3. DFO letter regard to proximity of nearby forest area.
4. PP shall furnish the details of structures and water bodies located within a radius of 500 m from the proposed site.

The proposal was placed in the 546<sup>th</sup> Authority meeting held on 27.08.2022. The authority after detailed discussion decided to call for the following additional particulars from the project proponent in addition to the said additional particulars sought by the SEAC as follows

- i. Details of type of vegetations including no. of trees & shrubs within the proposed mining area and. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed mentioned in EMP.
- ii. Impact on surrounding agricultural fields around the proposed mining Area.
- iii. Erosion Control measures.
- iv. Impact on soil flora & vegetation around the project site.


The proponent has furnished reply vide lr. Dt: 01.09.2022 & 06.09.2022. In this connection, the proposal was again placed in this 316<sup>th</sup> SEAC Meeting held on 30.09.2022

  
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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance to produce the quantity of 30644 Cu.m. of Gravel for the ultimate depth of mining upto 2 m BGL and subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. The PP shall ensure that the catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB / mine waste dumps. The drains should be regularly de silted and maintained properly.
6. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).

  
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7. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
8. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
9. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
10. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
11. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
12. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
13. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
14. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers

  
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- engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
15. The 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 granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
  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. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
  20. 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.
  21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the

- quarrying area and in a manner to preserve the environment and ecology of the area.
22. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
23. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
24. 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.
25. 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.
26. 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.
27. 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.
28. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

  
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29. 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.

30. 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.

31. As accepted by the Project proponent the CER cost is Rs. 2 lakhs and the amount shall be spent for ~~the~~ Panchayat Union Primary School, Chinnakumatti, Parangipettai union, Cuddalore District as committed, before obtaining CTO from TNPCB.

**Agenda No: 316 – 02.**

**(File No: 8611/2021)**

**Proposed Ordinary Earth quarry lease over an extent of 2.96.0 Ha at S. F No. 354 (Part) of No.62 of Athupakkam Village, Uthukottai Taluk, Thiruvallur District, Tamil Nadu by Thiru. S.Venkatesan- For Environmental Clearance. (SIA/TN/MIN/217742/2021 Dt. 02.07.2021)**


The proposal was placed in 252<sup>nd</sup> SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.S.Venkatesan has applied for Environmental Clearance for the proposed Ordinary Earth Quarry lease over an extent of 2.96.0Ha at S.F.No.354(Part) of No.62 of Athupakkam Village, Uthukottai Taluk, Thiruvallur District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication valid for mining is 45 days. The mining plan is for the period of 45 days & as per mining plan the production should not exceed 26640m<sup>3</sup> of Ordinary Earth. The ultimate depth is 0.90m BGL.

Sl. No	Details of the Proposal
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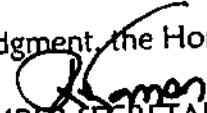
1	Name of the Owner/Firm	:	Thiru.S.Venkatesan S/o.Shanmugam 3rd Cross Street, 2nd Floor, Lake Area Vallur Kottam, Nungambakkam Chennai-600034
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Ordinary Earth
3	S.F No. Of the quarry site with area break-up	:	354(Part)
4	Village in which situated	:	No.62 of Athupakkam
5	Taluk in which situated	:	Uthukottai
6	District in which situated	:	Thiruvallur
7	Extent of quarry (in ha.)	:	2.96.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	13°18'44.80"N to 80°01'06.95"E 13°18'51.31"N to 80°01'06.92"E 13°18'51.32"N to 80°01'08.92"E 13°18'44.81"N to 80°01'08.94"E 13°18'44.28"N to 80°01'10.20"E 13°18'50.88"N to 80°01'10.19"E 13°18'50.91"N to 80°01'17.50"E 13°18'48.31"N to 80°01'17.51"E
9	Topo Sheet No.	:	66 – C/3
10	Type of mining	:	Opencast Method Semi Mechanized method
11	Period of quarrying proposed	:	45 days
12	Production (Quantity in m³)	:	26640m³ of Ordinary Earth
13	Depth of quarrying	:	0.90m below ground level
14	Depth of water table	:	7m to 9m BGL

  
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15	Man Power requirement per day:	17 Nos.
16	Source of Water Requirement	water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression , Green Belt &Wet Drilling (in KLD)	: 1.0 KLD 0.5 KLD 0.3 KLD 0.2 KLD
18	Power requirement	TNEB
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the, District Collector, Geology and Mining with date	: Rc.No.411/2018/Kanimam.2, dt:15.02.2021
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Rc.No.411/2018/G&M-2, dt:17.05.2021
22	Assistant Director, Department of Geology and Mining 500m cluster letter	Rc.No.411/2018/G&M-2, dt:17.05.2021
23	VAO certificate regarding 300m radius cluster	Letter dt: 10.06.2021
24	Project Cost (excluding EMP cost)	: Rs.5.28 Lakhs
25	EMP cost	: Rs.0.59 Lakhs
26	CER cost	Rs.0.10 Lakhs

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or

  
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license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions.

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

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

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

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

The proponent has furnished reply vide lr. Dt: 05.09.2022. In this connection, the proposal was again placed in this 316<sup>th</sup> SEAC Meeting held on 30.09.2022.

Based on the presentation and documents furnished by the project proponent, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** for the quantity of 26640m<sup>3</sup> of Ordinary Earth with restricting the ultimate depth of mining upto 0.90m BGL and subject to the standard conditions & 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind

direction.

9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
15. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.

  
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16. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
17. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
18. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
19. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
20. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
21. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
22. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.

  
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23. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
24. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
25. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
26. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
27. As accepted by the Project proponent the CER cost is Rs. 0.10 lakhs and the amount shall be spent for the Government school in Uthukottai Village as committed, before obtaining CTO from TNPCB.

**Agenda No.316 – 03.**

**(File No: 8366/2021)**

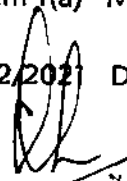
**Proposed Rough Stone quarry lease over an extent of 1.00.0 Ha at S.F. No. 45/2C (Part-6) of Atthipadi Village, Tiruvannamalai Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. S. Sathish Narayanan - for Environmental Clearance. (SIA/TN/MIN/60870/2021 dated 01.03.2022)**

Earlier, this proposal was placed in this 292<sup>nd</sup> Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, **Thiru. S. Sathish Narayanan** has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.00.0 Ha at S.F. No. 45/2C (Part-6) of Atthipadi Village, Tiruvannamalai Taluk, Tiruvannamalai District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Tor Issued letter No. SEIAA-TN/F. No. 7722/SEAC/TOR-1012/2021 Dated: 21.08.2021.

  
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4. **Public hearing** conducted on: 18.12.2021

5. EIA received on: 04.03.2022

6. The lease period is 10 years. The mining plan is for the period of 5 years & as per mining plan, the production should not exceed 118540cu.m. of Rough Stone. The annual peak production 24050 cu.m. of Rough Stone (1<sup>st</sup> Year). The ultimate depth – 25m (5M AGL & 20M BGL).

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

i. Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Kannamada R.F from the proposed quarry site.

ii. The PP shall furnish revised mining plan indicating proper bench geometry.

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

The proponent has furnished reply vide Ir. Dt: 09.09.2022. In this connection, the proposal was again placed in this 316<sup>th</sup> SEAC Meeting held on 30.09.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

**Agenda No. 316-04**

(File No. 9031/2022)

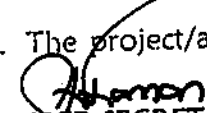
**Proposed Rough Stone & Gravel quarry lease over an extent of 0.86.5 Ha at S.F.No. 20/1 of Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru R. Suresh - for Environmental clearance. (SIA/TN/MIN/ 256841/2022 dated 16.02.2022)**

Earlier, this proposal was placed in this 281<sup>st</sup> Meeting of SEAC held on 03.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru R. Suresh has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.86.5 Ha at S.F.No. 20/1 of Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu

2. The project/activity is covered under Category "B2" of Item 1(a) Mining of

  
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SEAC - TN

Mineral Projects" of the Schedule to the EIA Notification, 2006.

3. The precise area communication issued for the period is 5 years. The mining plan is for the period of 5 years & as per mining plan, the production should not exceed 38180 cu.m. of Rough Stone & 8612 cu.m. of Gravel. The annual peak production 8050 cu.m. of Rough Stone (4<sup>th</sup> Year) & 4516 cu.m. of Gravel (3<sup>rd</sup> Year). The ultimate depth – 22m BGL.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.R.Suresh S/o.Thiru.Rangasami Gounder No.3/7, Chinnakallipatti Mettupalayam Coimbatore District-641302
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	: 20/1
4	Village in which situated	: Chinnakallipatti
5	Taluk in which situated	: Mettupalayam
6	District in which situated	: Coimbatore
7	Extent of quarry (in ha.)	: 0.86.5Ha
8	Latitude & Longitude of all corners of the quarry site	: 11°23'28.39"N to 11°23'35.19"N 77°06'32.34"E to 77°06'34.46"E
9	Topo Sheet No.	: 58- E/03
10	Type of mining	: Opencast Mechanized Method
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m <sup>3</sup> )	: 38180m <sup>3</sup> of Rough Stone and 8612m <sup>3</sup> of Gravel
13	Depth of quarrying	: 22m below ground level
14	Depth of water table	: 70m to 65m BGL
15	Man Power requirement per day:	: 14 Nos.
16	Source of Water Requirement	: water vendors & Bore well
17	Water requirement: 1. Drinking & domestic purposes (in KLD)	: 1.4 KLD 0.8 KLD

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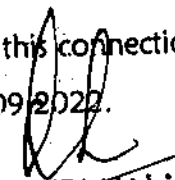
	2. Dust suppression , Green Belt & Wet Drilling (in KLD)	0.4 KLD 0.2 KLD
18	Power requirement a. Domestic Purpose b. Industrial Purpose	TNEB 31974 Liters of HSD
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the, District Collector, Geology and Mining with date	: Rc.No.1235/Kanimam/2021, dt:03.01.2022
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Rc.No.1235/Mines/2021, dt:25.01.2022
22	Assistant Director, Department of Geology and Mining 500m cluster letter	Rc.No.1235/Mines/2021, dt:25.01.2022
23	VAO certificate regarding 300m radius cluster	Letter dt: 19.01.2022
24	Project Cost (excluding EMP cost)	: Rs.24.33 Lakhs
25	EMP cost	: Capital Cost – Rs. 10.95 Lakhs. Recurring Cost – Rs. 15.37 Lakhs.
26	CER cost	Rs. 5.00 Lakhs

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

1. The project proponent shall furnish certified compliance report.
2. The project proponent shall furnish action plan for the realignment of benches (or) the slope stabilization and protective measures in previously quarried mine.
3. The project proponent shall install the fencing completely around the quarried mine.

The proponent has furnished reply vide Ir. Dt: 05.09.2022. In this connection, the proposal was again placed in this 316<sup>th</sup> SEAC Meeting held on 30.09.2022.

  
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SEAC- TN

Based on the presentation and documents furnished by the project proponent, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** the ultimate depth of mining upto 22m BGL and the quantity of 38180 cu.m. of Rough Stone & 8612 cu.m. 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 PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
3. The proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
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 carry out the shallow depth Jack hammer drilling (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits

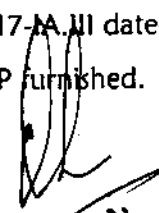
  
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as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

7. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
8. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
9. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
10. 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 to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
13. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN

14. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Panchayat Union Primary School, Chinnakallipatti Village, karamadai, Coimbatore as committed, before obtaining CTO from TNPCB.

**Agenda No.316 – 05.**

**(File No. 8702/2022)**

**Proposed Rough Stone quarry lease over an extent of 1.67.0Ha at S.F.No.801 of Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu by Thiru.S.Sudharsan - For Environmental Clearance (SIA/TN/MIN/223681/2021, dt: 07.08.2021)**

The proposal was placed in this 316<sup>th</sup> Meeting of SEAC held on 30.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


**The SEAC noted the following:**

1. The project proponent, Thiru.S.Sudharsan has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.67.0Ha at S.F.No.801 of Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication issued for 2 Years & 10 Months. The mining plan is for the period of 2 Years & 10 Months and as per mining plan the production should not exceed 33882m<sup>3</sup> of Rough Stone. The annual peak production 11970m<sup>3</sup> of Rough Stone (2<sup>nd</sup> Year). The ultimate depth – 32m BGL.

The Committee also noted the report submitted by the member Mr.B.Sugirtharaj Kovilpillai, who is an expert in Forest and Wild life activities, which is extracted below:

"Dear Sir / Madam,

*The following report is placed before the SEAC for consideration. I furnish the following details with reference to the proposal for quarrying in S.F.Nos. 760/1, 760/2, 762/1, 762/2A, & 763, Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District for favour of kind consideration.*

  
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*Vallanadu Blackbuck Sanctuary is the southernmost abode of blackbucks in India. This sanctuary houses varieties of animals and plants. The fauna of Vallanadu Blackbuck Sanctuary includes blackbuck, spotted deer, sambar, scaly ant eater, monitor lizard, jungle cat, grey mongoose, black naped hare, vipers, peacock, heron, grey francolin, common quail, crested hawk eagle, black winged kite, red wattled lapwing, night jar, sparrows, homed owl etc. This is an isolated hillock with scrub jungle.*

*This sanctuary is dedicated for the conservation of blackbuck an endangered animal, found in the red data book of IUCN and included in schedule I of Wildlife Protection Act, 1972.*

*Blackbucks require open grassland with intermittent bushes. They are sensitive to environmental pressures and adequate land is required for their survival. The limited space available in the sanctuary along with scarcity of food and water especially during summer poses a great threat for their survival.*

*The blackbucks have regular habit of coming out of the sanctuary and graze in the wastelands on the eastern and western sides outside the sanctuary.*

*Under these circumstances, I request the committee to consider the points mentioned in the research papers,*

1. *"Conservation of a fragmented population of blackbuck" published in Current Science, Vol. III, No. 3, 10<sup>th</sup> August 2016.*

*"In VBS blackbucks were seen spending the night in the grass fallow outside and move towards the forests only when disturbance levels increased in the outside areas. It therefore appears that the preferred habitat lies in the eastern fallow outside the VBS." (Pg.547)*

*"Moreover, the land use further away from the fallow is highly urbanized, and industrialized due to the presence of quarries." (Pg.547)*

*"There are increasing evidences to this, as blackbucks are frequently seen 5 km away from VBS along main roads and also in private farms and near irrigation tanks." (Pg.548)*

2. *"Distribution patterns and habitat requirements of blackbucks in Vallanadu Blackbuck Sanctuary implications for conservation and management." published in Indian Forester, 140 (10) : 1005-1013, 2014.*

*"Most of the herds (blackbucks) were seen in the open fallow grasslands on the eastern side of the sanctuary." Pg.1008*

*"A few perennial sources outside the reserve were mostly visited by domestic livestock, but, also frequented by blackbuck." Pg.1008*

*"The open fallow (grassland) outside the eastern edge of VBS offers water and forage and good staging sites for the males but not adequate protection. This patch of open fallow land is an island of about 3 sq km surrounded by activities such as mining, real estate and proposed highway construction." Pg.1011*

*"The open fallow grasslands may serve as important breeding areas of the Buck and needs to be conserved alongside the sanctuary." Pg.1012*

*"These areas are however, coming in conflict with quarrying activities, which are creating continuous disturbances to the blackbuck." Pg.1012*

*These research papers clearly mention that blackbucks move upto 5 km outside the sanctuary on the eastern side and mining activities will have a disastrous effect on blackbucks.*

After examining the documents & project proposal furnished by the project proponent, the SEAC noted that, blackbuck is the prominent species in Vallanadu blackbuck WLD sanctuary in Thoothukudi district and this is its southernmost habitat in the country. Blackbuck is an endangered species and included in IUCN red data book in the category in VUC (vulnerable status) and under Schedule 1 of the WP Act, 1972. The project site is located at a distance of 1.56 km from sanctuary boundary and 497m from ESZ. The blackbucks often come out of sanctuary for foraging, hiding, water etc., Blackbucks are very timid and shy animals and the proposed activity involves rock blasting noise, vibrations, dust, smoke and other anthropogenic disturbances and these will have adverse effect on this vulnerable species. Considering the above SEAC decided not to recommend the proposal for the grant of Environmental Clearance.

Agenda No: 316 – 06.

(File No: 9003/2022)

Proposed Gravel quarry lease over an extent of 2.56.0 Ha at S.F.Nos. 132/1, 132/3, 133/3A, 133/3B, 133/3C & 133/4, D.Mampatti Village, Singampunari Taluk, Sivagangai

  
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District, Tamil Nadu by Thiru. H.Ghouse Mohideen - For Environmental clearance.(SIA/TN/MIN/ 211234/2021 dated 04.05.2021)

The proposal was placed for appraisal in this 280<sup>th</sup> meeting of SEAC held on 02.06.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. H.Ghouse Mohideen has applied seeking Environmental Clearance for the Proposed Gravel quarry lease over an extent of 2.56.0Ha at S.F.Nos. 132/1, 132/3, 133/3A, 133/3B, 133/3C & 133/4, D.Mampatti Village, Singampunari Taluk, Sivagangai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication is issued for the period of 1 year. The approved mining plan is for the period of 1 year & production should not exceed 38948 Cu.m of Gravel. The ultimate depth is 2m BGL.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.H.Ghouse Mohideen S/o.Hameed No.A9/2, Meenakshi Apartment 80th Street, Anna Nagar Madurai District-625020
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Gravel
3	S.F No. Of the quarry site with area break-up	: 132/1, 132/3, 133/3A, 133/3B, 133/3C & 133/4
4	Village in which situated	: D.Mampatti
5	Taluk in which situated	: Singampunari
6	District in which situated	: Sivagangai
7	Extent of quarry (in ha.)	: 2.56.0Ha
8	Latitude & Longitude of all corners of the quarry site	: 10°02'03.56"N to 10°02'09.74"N 78°29'21.07"E to 78°29'29.40"E
9	Topo Sheet No.	: 58- J/08
10	Type of mining	: Opencast Method of Shallow Mining

  
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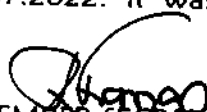
  
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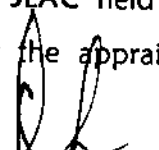
11	Period of quarrying proposed	:	1 year
12	Production (Quantity in m <sup>3</sup> )	:	38948m <sup>3</sup> of Gravel
13	Depth of quarrying	:	2m below ground level
14	Depth of water table	:	63m BGL
15	Man Power requirement per day:		13 Nos.
16	Source of Water Requirement		water vendors & Bore well
17	Water requirement: 3. Drinking & domestic purposes (in KLD) 4. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	1.5 KLD 0.4 KLD 0.6 KLD 0.5 KLD
18	Power requirement a. Domestic Purpose b. Industrial Purpose		TNEB 6490 Liters of HSD
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, Geology and Mining with date	:	Rc.No.M.2/141/2017, dt:30.09.2020
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.M2/141/2017, dt:08.12.2021
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.M2/141/2017, dt:19.02.2021
23	VAO certificate regarding 300m radius cluster		Letter dt: 02.02.2021
24	Project Cost (excluding EMP cost)	:	Rs.26.72 Lakhs
25	EMP cost	:	Capital Cost – Rs. 4.85 Lakhs. Recurring Cost – Rs. 6.826 Lakhs.
26	CER cost		Rs. 2.75 Lakhs

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

- (i) The project proponent shall furnish soil test report from NIT, Trichy.

The proposal was placed for appraisal in 298<sup>th</sup> meeting of SEAC held on 22.07.2022. It was noted that project proponent was absent for the appraisal.

  
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Therefore SEAC decided to defer the proposal & call for the explanation for not attending the meeting.

The proponent has furnished reply vide Ir. Dt: 17.08.2022 & 20.08.2022. In this connection, the proposal was again placed in this 316<sup>th</sup> SEAC Meeting held on 30.09.2022.

Based on the presentation, documents and clarification on Public Complaint received Dt: 04.08.2022 & 23.08.2022 furnished by the project proponent, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** for the production quantity of 38948 Cu.m of Gravel period by restricting the ultimate depth of mining upto 2m BGL and subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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

  
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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. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
7. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
8. 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.
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.
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.
12. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

13. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
18. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
19. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

20. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
22. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
23. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
24. 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.
25. 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.
26. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
27. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole

  
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SEAC - TN

and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

28. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

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

30. As accepted by the Project proponent the CER cost is Rs. 2.75 lakhs and the amount shall be spent for the Government Higher Secondary school, Eriyur, Sivagangai as committed, before obtaining CTO from TNPCB.

31. The PP shall spent Rs 1 Lakh as a mitigation work in Vettangudi Bird Sanctuary in consultation with concerned DFO

Agenda No: 316-07

(File No: 8423/2021)

Proposed Gravel quarry lease area over an extent of 1.56.5Ha at S.F No 171/4B, 172/4B3, V.Parangini Village, Vanur Taluk, Villupuram District by Thiru.M.Yashvanth-For Environmental Clearance.(SIA/TN/MIN/202201/2021, dated: 06.03.2021)

The proposal was placed for appraisal in this 316<sup>th</sup> meeting of SEAC held on 30.09.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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


Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru M.Yashvanth, S/o. Murugan, V.Nerkunam & post. Vikkiravandi Taluk Villupuram District-605501.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel Quarry
3.	S.F No. of the quarry site with area break-up	171/4B & 172/4B3

MEMBER SECRETARY  
SEAC -TN

CHAIRMAN  
SEAC -TN

4.	Village in which situated	V.Parangini
5.	Taluk in which situated	Vanur
6.	District in which situated	Villupuram
7.	Extent of Quarry (in ha.)	1.56.5 Ha
8.	Period of Quarrying proposed	Two years
9.	Type of Mining	Opencast method of shallow Mining
10.	Production (Quantity in m <sup>3</sup> )	21802m <sup>3</sup> of gravel for the period of 2 years with an ultimate depth of mining 2m below ground level.
11.	Latitude & Longitude of all corners of the quarry site	Latitude : 12°02'47.78"N to 12°02'53.23"N Longitude: 79°41'38.81"E to 79°41'45.58"E
12.	Topo sheet No.	57 P/12
13.	Man power requirement per day:	09 Employees
14.	Precise Area Communication approved by the Deputy Director, Department of Geology and Mining,	Rc.No.A/G&M/232/2019, Dated 21.11.2020.
15.	Mining plan approved by the Deputy Director, Geology & Mining,	Rc.No.A/G&M/232/2019, Dated 03.02.2021.
16.	500mts letter approved by the Deputy Director, Geology & Mining,	Rc.No.A/G&M/232/2019, Dated 03.02.2021.
17.	Water requirement: 1. Drinking water (in KLD) 2. Utilized water (in KLD) 3. Dust Suppression (in KLD) 4. Green Belt (in KLD)	1.5 KLD 0.4 KLD, 0.5KLD 0.6 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB No Electricity is needed for Mining operation.
19.	Depth of Mining	2m below ground level
20.	Depth of Water table	37.5m BGL
21.	Project cost	Rs. 18,38,000/-
22.	EMP cost	Capital cost- Rs. 5,78,000/- Recurring cost/annum- Rs. 3,35,000/-
23.	CER cost	Rs.1.5 lakhs
24.	VAO letter dated	26-02-2021

Earlier, this proposal was placed before 228<sup>th</sup> SEAC meeting held on 24.8.2021.  
Based on the presentation made and the documents furnished by the Project

  
MEMBER SECRETARY  
SEAC -TN

32

  
CHAIRMAN  
SEAC- TN

proponent, SEAC decided that the project proponent shall obtain the soil test report for the entire depth of 2m from reputed Government institute/Government departments. On receipt of the above documents, the committee would further deliberate on this project and decide the further course of action.

The project proponent has furnished the soil testing results analysed by University College of Engineering, Dindigul, Anna University. Based on that, this subject was again placed before 260<sup>th</sup> SEAC Meeting held on 1.4.2022. The Project proponent made a presentation along with clarification for the above shortcomings observed by the SEAC. Based on the presentation and document furnished by the project proponent, SEAC noted that, from the report of soil classification, the percentage (%) of sand is 22.3. Considering the Judgment of the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021, the Director of Geology and Mining, Government of Tamil Nadu, in his letter No. 7240/MM6/2019 dated 30.07.2021, has, inter alia, issued the following directions:

- *No quarry lease shall be granted in areas where the test results indicate the presence of Sand in the composition.*

SEAC therefore decided to not recommend the proposal for the grant of Environmental Clearance.

It has been observed that this proposal was placed for appraisal in this 286<sup>th</sup> meeting of SEAC held on 17.6.2022, based on the representation received from the PP. However, the proper procedure would be to place the representation before the SEIAA and not directly before SEAC.

Agenda No: 316- 08

(File No:8227/2021)

Proposed Rough Stone quarry lease over an extent of 0.93.5Ha at S.F.Nos.220/29 & 219, Sathiyamangalam Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru.S.Manikandan- For Environmental clearance (SIA/TN/MIN/191354/2021 dated:05.01.20201)

The proposal was placed for reappraisal in this 316<sup>th</sup> SEAC meeting held on 30.09.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

1. The Proponent, Thiru.S.Manikandan, has applied for Environmental Clearance for the Proposed Rough Stone quarry lease over an extent of 0.93.5Ha at S.F.Nos.220/29 & 219, Sathiyamangalam Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

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

**Agenda No: 316-09**

**(File No: 9228/2022)**

**Proposed Rough Stone & gravel quarry lease over an extent of 3.09.0 Ha at S.F.Nos 463/1, 463/2 & 471 (Part) Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. Vinayaga Blue Metals for Environmental Clearance (SIA/TN/MIN/270708/2022 Dated: 04.05.2022)**

The proposal was placed in this 316<sup>th</sup> meeting of SEAC held on 30.09.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following.**

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

Sl. No	Details of the Proposal	Data Furnished
1.	Name of the Owner / Firm	M/s. Vinayaga Blue Metals Kurumbapatti Pavithram- Post Pugalur Karur District-639002
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone and Gravel Quarry
3.	S.F.No. of the quarry site with area break-up	S.F.No . 463/1, 463/2, & 471 (Part)
4.	Village in which situated	Kuppam Village
5.	Taluk in which situated	Pugalur Taluk
6.	District in which situated	Karur District
7.	Extent of Quarry (in ha.)	3.09.0 Ha

**MEMBER SECRETARY  
SEAC -TN**

**CHAIRMAN  
SEAC -TN**

8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	511233m <sup>3</sup> of Rough stone and 5865m <sup>3</sup> of Gravel for the period of Five years with an ultimate depth of mining 40m below ground level.
11.	Latitude & Longitude of all corners of the quarry site	Latitude: 10°59'34.01"N to 10°59'40.13"N Longitude: 77°56'41.09"E to 77°56'47.57"E
12.	Topo sheet No.	58 F/13
13.	Man power requirement per day:	33 Employees
14.	Precise Area Communication approved by the Deputy Director, Department of Geology and Mining.	Rc.No. 454/Mines/2020, Dated 27.04.2022
15.	Mining plan approved by the Deputy Director, Geology & Mining.	Rc.No. 454/Mines/2020, Dated 29.04.2022
16.	500mts letter approved by the Deputy Director, Geology & Mining.	Rc.No. 454/Mines/2020, Dated 29.04.2022
17.	Water requirement: 5. Drinking water (in KLD) 6. Utilized water (in KLD) 7. Dust Suppression (in KLD) 8. Green Belt (in KLD)	5.5KLD 0.5KLD 1.5KLD 2.0KLD 1.5KLD
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB No Electricity is needed for Mining operation.
19.	Depth of Mining	40m below ground level
20.	Depth of Water table	55m in rainy season - 65m in summer
21.	Project cost	Rs. 1,22,76,500/-
22.	EMP cost	Capital cost- Rs. 13,50,000/- Recurring cost/annum- Rs. 14,38,000/-
23.	CER cost	Rs.7.01 lakhs
24.	VAO letter dated	30-04-2022

Earlier, this proposal was placed in this 300<sup>th</sup> meeting of SEAC held on 04.08.2022. Based on the presentation made by the proponent SEAC decided to obtain the following details from the PP.

- The PP shall furnish the certified compliance report obtained from MoEF&CC on existing EC issued.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC - TN

Subsequently, the proposal was placed in 545<sup>th</sup> SEIAA meeting held on 04.08.2022. After detailed discussion, the Authority decided to obtain following details from the PP in addition to the above.

1. The PP shall carry out a study on Biodiversity in the proposed mining area.
2. The impacts of mining on flora, fauna & soil microorganisms in the mining area shall be studied.
3. The PP shall furnish details of soil erosion management and soil conservation plan.
4. Impacts of mining on the water bodies and roads situated in the vicinity of the project area shall be studied.

Now, the Proponent has furnished the Certified Compliance Report obtained from MoEF&CC on existing EC issued vide letter No. E.P/12.1/2022-23/SEIAA/87/TN/ 876 Dated: 17.08.2022 and the Reply for the additional particulars sought by SEIAA vide letter dt: 19.09.2022. Hence, the proposal was placed for reappraisal in this 316<sup>th</sup> meeting of SEAC held on 30.09.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, 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 proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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 carry out the shallow depth Jack hammer drilling (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
7. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
8. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
9. As it was revealed in the compliance report, the PP shall carry out the scientific studies on design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock in the proposed quarry, by involving a reputed Research and Academic Institution such as NIRM, IIT (ISM)/Dhanbad, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories 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 (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m after having

approved by the concerned AD (Geology & Mines) to the DEE/TNPCB before obtaining CTO.

11. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 4 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg. Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
12. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
13. The Project Proponent 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. 7.01 lakhs and the amount shall be spent for the Government High School, Pavithiram Village, as committed, before obtaining CTO from TNPCB.

**Agenda No: 316-10**

**(File No: 8241/2021)**

**Proposed Rough Stone Quarry over an extent of 2.43.0 Ha in SF.No. 1007/1 & 1008/1A4, Virachilai I Pit Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru.K.Muthaiah - For Environmental Clearance. (SIA/TN/MIN/193581/2021 dated. 19.01.2021)**

  
MEMBER SECRETARY  
SEAC - TN

38

  
CHAIRMAN  
SEAC - TN

The proposal was placed in the 316<sup>th</sup> SEAC meeting held on 30.09.2022. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted of the following:

1. The Project Proponent, Thiru.K.Muthaiah has applied for Environmental Clearance for the Proposed Rough Stone Quarry over an extent of 2.43.0 Ha in SF.No. 1007/1 & 1008/1A4, Virachilai I Pit Village, Thirumayam Taluk, Pudukkottai 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.

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

Agenda No: 316-11

(File No: 8676/2020)


Proposed Brick Earth quarry lease over an extent of 1.22.4 Ha at S.F.No. 86, 87/1B & 87/2B of Athangikavanur Village, Uthukkottai Taluk, Thiruvallur District, Tamil Nadu by Thiru. P.Jayakumar- for Environmental Clearance. (SIA/TN/MIN/ 187205/2020 dated 09.12.2020)

The proposal was earlier placed in the 288<sup>th</sup> meeting of SEAC held on 23.6.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

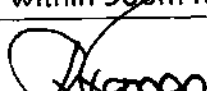
1. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the Proposal	
1.	Name of the Owner/Firm	: Thiru.P.Jayakumar Tvl.Sri Ayyanar Brick Field Athangikavanur Uthukottai Taluk Tiruvallur District- 601103.
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Brick Earth

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

3.	S.F No. Of the quarry site with area break-up	:	86, 87/1B & 87/2B
4.	Village	:	Athangikavanur
5.	Taluk	:	Uthukkottai
6.	District	:	Thiruvallur
7.	Extent of quarry (in ha.)	:	1.22.4
8.	Period of quarrying proposed	:	One year
9.	Type of mining	:	Opencast Mechanized Mining Method
10.	Production (Quantity in m3)	:	As per mining plan, the lease period is for 1 year and the total recoverable quantity shall not exceed 8,364 cu.m of Brick Earth to an ultimate depth of 1m BGL in one year.
11.	Depth of quarrying	:	1m BGL
12.	Latitude & Longitude of all corners of the quarry site	:	13°14'59.53"N to 13°15'01.89"N 80°03'21.99"E to 80°03'27.99"E
13.	Topo Sheet No.	:	66-C/14
14.	Man Power requirement per day	:	14 Nos.
15.	Precise area communication	:	Na.Ka.No.280/2020/Kanimam-2, dt: 04.11.2020
16.	Mining Plan	:	Rc. No.280/2020/G&M-2, dt: 27.11.2020.
17.	500m cluster letter	:	Rc. No.280/2020/G&M-2, dt: 27.11.2020.
18.	Total Water requirement 5. Drinking & domestic purposes (in KLD) 6. Dust suppression & Green Belt (in KLD)	:	3.0 KLD 1.5 KLD 1.5 KLD
19.	Power requirement for domestic purpose	:	TNEB
20.	Depth of water table	:	15m -18m
21.	Whether any habitation within 300m distance	:	VAO letter not furnished
22.	Project Cost (including EMP cost)	:	Rs. 7.81 Lakhs
23.	EMP cost	:	Rs. 1.63 lakh per annum
24.	CER cost	:	Rs One Lakh
25.	VAO certificate regarding habitation within 300m radius	:	VAO letter not furnished

  
MEMBER SECRETARY  
SEAC -TN

40

  
CHAIRMAN  
SEAC- TN

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. Subsequently, the subject was placed in the 533<sup>rd</sup> meeting of SEIAA held on 18.07.2022. After detailed deliberation, the Authority decided to refer back the proposal to SEAC for the following reasons:

1. Details pertaining to the fire wood to be used in the in-situ brick kiln such as type fire wood, quantity, where it is sourced from etc shall be furnished.
2. Study report on impact of Brick kiln on the surrounding area and impact on livelihood.
3. The EMP cost shall include the cost of restoration of the project site in full.
4. Quantum of Brick that can be made from the mined Brick Earth.


The proposal was placed for reappraisal in the 305<sup>th</sup> meeting of SEAC held on 23.08.2022. Proponent stated that the quarried earth will be used for the brick kiln owned by him which is located nearby and submitted the license issued by the competent authority. The Committee directed the Proponent to furnish the copy of valid license for operating the Brick Kiln owned by him, since the validity has expired. On receipt of the details sought, the Committee will deliberate further.

The Proponent furnished the details sought vide letter dated 07.09.2022 and hence the subject was placed before the Committee in its 316<sup>th</sup> meeting held on 30.09.2022.

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the **grant of Environmental Clearance for the excavation not exceeding 8,364 cu.m of Brick Earth to an ultimate depth of 1m BGL** subject to the standard conditions & normal conditions stipulated by MoEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.

2. The Proponent shall furnish the copy of mine closure plan immediately.
3. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
4. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
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 Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN


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

9. 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.
10. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
11. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
13. The proponent shall undertake the phased restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion/abandonment of such operations as assured in the Environmental Management Plan & the approved Mine Closure Plan.
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 material shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried stones; and transport of stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
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. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
20. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are compiled 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.

22. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
23. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
24. 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.
25. 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.
26. That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
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.

  
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SEAC- TN

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

29. As accepted by the Project Proponent the CER cost is Rs. 1 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

**Agenda No: 316-12**

**(File No: 8740/2021)**

**Proposed Rough Stone and Gravel quarry lease over an extent of 0.68.0 Ha at S.F. No. 45/2 (P) of Anjanur Village, Nambiyur Taluk, Erode District, Tamil Nadu by Thiru. M.Thangavelu – For Environmental Clearance. (SIA/TN/MIN/ 226102/ 2020 dated 24.08.2021)**

The proposal was placed in this 316<sup>th</sup> Meeting of SEAC held on 30.09.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. M. Thangavelu has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 0.68.0 Ha at S.F. No. 45/2 (P) of Anjanur Village, Nambiyur Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 10 years, the total quantity of recoverable should not exceed 47,380cu.m of Rough Stone and 8,658cu.m of Gravel with an ultimate depth of mining is 22m below ground level. The annual peak production as per mining plan is 4,930cu.m of rough stone & 4292cu.m of gravel.
4. Earlier this proposal was placed in 292<sup>nd</sup> SEAC meeting held on 07.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the PP.
  - (i) Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Kannamadai R.F from the proposed quarry site.

  
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Subsequently, on the receipt of reply from the PP, the proposal was again placed in the 316<sup>th</sup> SEAC meeting held on 30.09.2022. Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total Production of Rough Stone of 44,335 m<sup>3</sup> and 8,685 m<sup>3</sup> of Gravel by restricting an ultimate depth of 17m below ground level (2m – Gravel + 15m - Rough Stone) with the annual peak production of 4,930 cu.m of rough stone & 4292 cu.m of gravel, in addition to the following specific conditions subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
3. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
4. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
5. The PP shall maintain a safety zone of 7.5 m invariably along the South side of the proposed quarry adjacent to the neighbouring quarry and it shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.
6. The PP shall carry out the shallow depth Jack hammer drilling (of 32/34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

- involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
7. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
  8. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
  9. As the habitations are located nearby, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
  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 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.
  11. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
  12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
  13. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
  14. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be

- diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
15. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
16. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
17. As accepted by the Project Proponent the CER cost is Rs. 3 lakhs and the amount shall be spent to the committed activities for Panchayat Union Middle School, Irukalur Village before obtaining CTO from TNPCB.

**Agenda No: 316-13**

**(File No: 8838/2021)**

**Proposed Gravel quarry lease area over an extent of 0.56.50 Ha at S.F. No. 522/2 Karungal Village, Killloor Taluk, Kanniyakumari District, Tamil Nadu by Thiru K.Siva,- For Environmental Clearance. (SIA/TN/MIN/233607/2021 Dt.12.10.2021)**

The proposal was placed in 316<sup>th</sup> SEAC Meeting held on 30.09.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru K.Siva has applied for Environmental Clearance for the proposed Gravel quarry lease area over an extent of 0.56.50Ha at S.F. No. 522/2 Karungal Village, Killloor Taluk, Kanniyakumari District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 1 year. The production as per mining plan not to exceed – 25,656 m<sup>3</sup> of gravel with ultimate depth of 9m (7m AGL + 2m BGL).

4. Earlier this proposal was placed in 272<sup>nd</sup> SEAC meeting held on 13.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance. Subsequently it was placed in 517<sup>th</sup> SEIAA Meeting held on

  
MEMBER SECRETARY  
SEAC -TN

49

  
CHAIRMAN  
SEAC- TN

06.06.2022 and decided to refer back the proposal to SEAC for obtaining the following additional particulars from the project proponent.

- i. Vast area of green patch seen in and around the mine lease area. Furnish the details of vegetation.
  - ii. Biodiversity study in the vicinity shall be carried out and to submit the report.
  - iii. A test on soil analysis from a competent authority.
5. Subsequently, the proposal was again placed in 296<sup>th</sup> SEAC meeting held on 16.07.2022 for appraisal. The project proponent, during presentation furnished details sought by SEIAA. During the representation SEAC observed that some of the structures are shown in the Vedio-graph, hence SEAC decided to call for the following details.
1. The PP shall enumerate all the structures located within 500m radius from the proposed site, with details such as nature of structure, use, occupation, etc.

Based on the reply furnished by the proponent, the proposal was again placed in the 316<sup>th</sup> SEAC meeting held on 30.09.2022. Based on the presentation made by the proponent, SEAC noted that the above enumeration has not been done and therefore decided to direct the PP to undertake a detailed enumeration of all structures within 500 m of the proposed site and submit the report.

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

**Agenda No: 316-14**


**(File No: 8804/2021)**

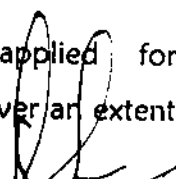
**Proposed Red Soil Quarry lease over an extent of 2.02.5 Ha at S.F.No. 69 (Part) in Vaali Nokam Village, Kadaladi Taluk, Ramnathapuram District, Tamilnadu by Thiru.A.Parthimarkalignan - For Environmental Clearance.(SIA/TN/MIN/228473/2021 dated 14.09.2021)**

The proposal was placed in 316<sup>th</sup> meeting of SEAC held on 30.09.2022. The details of the project are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, **Thiru.A.Parthimarkalignan** has applied for Environmental Clearance for the proposed red soil quarry lease over an extent

  
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SEAC -TN

  
CHAIRMAN  
SEAC - TN

of 2.02.5 Ha at S.F.Nos. 69 (Part) in Vaali Nokam Village, Kadaladi Taluk, Ramnathapuram District, Tamilnadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:

Sl. No.	Details of the Proposal	Data Furnished
1.	Name of the Owner / Firm	Thiru.A.Parthimarkaligan S/o. Angusamy, 1/2D, Karukudi, Vairvunenthal Post, Ramnathapuram Taluk, Ramnathapuram District.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Red soil quarry
3.	S.F No. of the quarry site	69 (Part)
4.	Village in which situated	Vaali Nokam
5.	Taluk in which situated	Kadaladi
6.	District in which situated	Ramnathapuram
7.	Extent of Quarry (in ha.)	2.02.5 Ha (Patta land)
8.	Period of Quarrying proposed	1 year
9.	Type of Mining	Opencast mechanized mining
10.	Production (Quantity in m <sup>3</sup> )	15,276 m <sup>3</sup> of Red soil
11.	Depth of Mining	1.0 m
12.	Latitude & Longitude of all corners of the quarry site	09°12'03.92"N 79°59'59.86"E
13.	Topo sheet No.	58 - K/12
14.	Man power requirement per day:	14 Employees
15.	Precise Area Communication approved by District Collector with date	Na.Ka.En.712/Puvi&Sura.2/2015 dated:20.08.2018

16.	Mining plan approved by Assistant Director(i/c), Department of G&M with date	Roc.No. 712/G&M.2/2015, dated. 12.09.2018
17.	500m letter approved by the Assistant Director, Department of Geology and Mining with date	Roc.No. 712/G&M.2/2015, dated. 09.08.2021
18.	Water requirement: 1. Drinking water & Domestic purposes 2. Dust Suppression & Green Belt	3.0 KLD 1.5 KLD 1.5 KLD
19.	Power requirement:	20-25 liters of HSD per day
20.	Depth of Water table	5 m
21.	Project cost (excluding EMP cost)	Rs.15,09,500/-
22.	EMP cost	Rs.1,25,000/-
23.	CER cost	2 Lakhs
24.	VAO letter dated	06.09.2021

1. As per the mining plan, the lease period is for 1 year, the total quantity of recoverable should not exceed 15,276m<sup>3</sup> of red soil with an ultimate depth of mining 1 m Below Ground Level.
2. The project proponent has submitted a soil test report obtained from Department of Civil Engineering, National Institute of Technology, Tiruchirappalli vide letter dated.20.04.2022.
3. Assistant Director (i/c), Dept. of Geology and Mining, Ramanathapuram District vide Roc.No./G&M.2/712/2015 dated.26.04.2022 informed that .....

*"the applied area/proposed quarry site is not lie adjoining to the river, canals, streams etc., and also not comes under any notified/declared protected zones."*

Based on the presentation and document furnished by the project proponent, after detailed deliberations, **SEAC decided to recommend the proposal for the grant of Environmental Clearance for 15,276 Cu.m of red soil with an ultimate depth of mining 1m Below Ground Level, subject to the standard conditions & normal conditions**

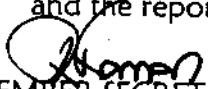
  
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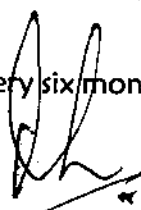
  
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SEAC- TN

stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. As accepted by the Project Proponent the CER cost is **Rs. 2 lakhs** and the amount shall be spent for the committed activities as committed before obtaining CTO from TNPCB.
4. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
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 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.
9. 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.
10. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
11. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
13. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarries assured in the Environmental Management Plan & the approved Mine Closure Plan.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.

  
MEMBER SECRETARY  
SEAC -TN

  
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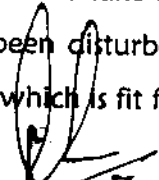
15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical 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 granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
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. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
20. 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.
21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
22. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and

the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

23. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
24. 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.
25. 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.
26. 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.
27. 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.
28. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
29. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

  
MEMBER SECRETARY  
SEAC - TN

56

  
CHAIRMAN  
SEAC - TN

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

**Agenda No: 316-15**

**(File No: 9450/2022)**

**Proposed construction of additional building at S.F No.44/3(pt), 44/5B, 46/1A(pt), 46/6, 47/1, Su.kilnatchipattu Village, Thiruvannamalai Taluk, Thiruvannamalai District, Tamil Nadu by Arunai Medical College & Hospital (an institution under Jeeva Educational Trust) – For Environmental Clearance Expansion.(SIA/TN/MIS/288467/2022 dated:13.08.2022)**

The proposal was placed in this 316<sup>th</sup> Meeting of SEAC held on 30.09.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Arunai Medical College & Hospital (an institution under Jeeva Educational Trust) has applied for Environmental Clearance for the Proposed construction of additional building at S.F No 44/3(pt), 44/5B, 46/1A(pt), 46/6, 47/1 Su.kilnatchipattu Village, Thiruvannamalai Taluk, Thiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) " Building & Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation & details furnished by the PP the SEAC decided to call for the following details,

1. The PP shall furnish ETP & STP components details for the existing & expansion activity.
2. The PP shall furnish details of ETP & STP designs.
3. The PP shall furnish correct survey nos and the same shall be corrected in the online application.
4. The PP shall furnish details of Bio-medical waste.
5. The unit shall furnish the exact green belt area earmarked / developed as per the norms in the unit's premises showing photographs along with longitude and latitude co-ordinates.
6. The PP shall furnish OSR details.

  
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SEAC -TN

  
CHAIRMAN  
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7. The PP shall comply with the solar energy condition stipulated in the previous EC.
8. The PP shall submit RoA of ETP & STP.

The EIA Coordinator has requested for additional time to present the additional details and hence the committee decided to defer the proposal.

**Agenda No: 316-16**

**(File No: 9246/2022)**

**Proposed Rough Stone and Gravel quarry lease over an extent of 1.00.0 Ha at S.F.Nos.133/1A2 (P) & 133/1B (P) of Thensangampalayam Village, Anaimalai Taluk, Coimbatore District, Tamil Nadu by Thiru. N.Mahalingam- For Environmental Clearance.(SIA/TN/MIN/270509/2022 dated:09.05.2022)**

Earlier, this proposal was placed in this 301<sup>st</sup> Meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

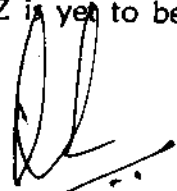
1. The Project Proponent, Thiru. N.Mahalingam has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.00.0 Ha at S.F.Nos.133/1A2 (P) & 133/1B (P) of Thensangampalayam Village, Anaimalai Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 64,510 cu.m of Rough Stone , 13,172 cu.m of Gravel with an ultimate depth of mining is 17m (BGL)(2m Gravel + 15m Rough Stone). The annual peak production as per mining plan is 13,180 cu.m of rough stone (3<sup>rd</sup> year) & 5,624 cu.m of gravel (2<sup>nd</sup> year).

The PP has made the presentation and furnished the details in the Meeting. Based on the presentation & details furnished by the PP the SEAC decided to call for the following details.

1. Since the Anamalai Tiger Reserve is located within 10km & its ESZ is yet to be notified, hence the PP shall obtain and submit NBWL Clearance.

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

  
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CHAIRMAN  
SEAC- TN

Now the proposal was placed in this 316<sup>th</sup> Meeting of SEAC held on 30.09.2022. The committee noted that the PP was absent for the meeting and hence the PP shall furnish the reason for the same.

**Agenda No: 316-17**

**(File No: 4402/ 2015)**

**Existing Black Granite Quarry over an extent of 3.04.05 Ha. Government Poramboke Land at S.F. Nos. 13/1 (P) of Semanglam Village, Vanur Taluk, Villupuram District by M/s. Enterprising Enterprises – For ToR - Regarding. (SIA/TN/MIN/23754/2018 dated: 07.04.2018)**

1. The proponent, **M/s. Enterprising Enterprises** has applied for ToR to SEIAA –TN on 07.04.2018 for mining of Black Granite over an extent of 3.04.05 Ha. Government Poramboke Land at S.F. Nos. 13/1 (P) of Semanglam Village, Vanur Taluk, Villupuram District.
2. The project/activity is covered under Category “B1” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006

Earlier, this proposal was placed before the 112<sup>th</sup> SEAC Meeting held on 29.05.2018.

The Essential features of the projects are as follows:

**1. Government order/ Lease details:**

The Quarry lease was granted in the name of Tvl. Enterprising Enterprises, Chennai vide G. O. Ms. No. 125 Industries (MMB1) Department, dated 02.04.1993 for a period of 10 years. The lease deed was executed on 06.04.1993 and the quarrying operation commenced on 06.04.1993. The quarry lease expired on 05.04.2003 and the quarry running under Court order extension dated 06.09.2007.

**2. Mining Plan/Scheme of Mining approval details:**

Mining plan was prepared and got approved vide Lr. No. 19691/MM2/02 dated 30.12.2002. Scheme of quarrying was prepared and submitted for the period of 2012-13 to 2016-17.

The reserves depleted during the previous plan period (1994 to 2012) – 1953m<sup>3</sup>.

3. The Scheme of quarrying and the production schedule were submitted for the period of 2012-13 to 2017-18.

  
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SEAC -TN

59

  
CHAIRMAN  
SEAC- TN

4. Quarrying operation will be carried out by Opencast Semi Mechanized Method with diamond wire saw cutting.
5. Granites is to be transported by tippers of 20 T capacity.

SEAC examined the project proposal and concluded that the project attracted violation as per MoEF & CC gazette notification S.O No 804 (E) Dated 14.03.2017. Accordingly, SEAC granted Terms of Reference for undertaking Environmental Impact Assessment and preparation of EMP. The SEAC recommended the Terms of Reference for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of environment.

Further, the project proponent has to also submit the No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957. The amounts so payable to the state government for the granite block, would inter-alia, account for the mining operation in violation of the following:-

- Without Environmental Clearance (EC) or in excess of quantity approved in EC.
- Without consent to Operate (CTO) or in excess of quantity approved in CTO.
- Without mining plan/scheme of mining or in excess of quantity approved in mining plan/scheme of mining.
- Without forest clearance
- Any other violation.

The Authority Noted the Following:

  
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SEAC- TN

The proposal was placed before the 309<sup>th</sup> SEIAA Meeting held on 01.06.2018. On scrutiny of the proposal, SEIAA found that the mining plan given in the proposal had expired in the year 2017-18. Hence, the Authority decided to address the applicant to furnish the approved mining plan.

In the meantime, the PP filed a writ petition vide W.P.No.262 of 2019 against the above decision of SEIAA and the Hon'ble High Court of Madras, Chennai in its order dated: 14.02.2022 pronounced that,

*"...2. The petitioner challenges an order passed by the 2nd respondent returning the application filed by the petitioner seeking Environment Clearance in respect of the Black Granite Quarry at S.F.No.13/1 (P), Semangalam Village, Vanur Taluk, Villupuram District.*

*3. The finding in the order impugned is to the effect that the quarry was under operation without having obtained an Environment Clearance. Furthermore, the mining lease has also expired. The impugned order reads as follows:*


*The above Hon-ble NGT order was communicated to the respective Deputy Director / Assistant Director, Department of Geology and mining and was addressed vide reference 4th cited to reexamine the proposals seeking Environmental Clearance for the existing quarries considering the above Hon-ble NGT Order with an intimation to the proponent.*

*Whereas in the reference 5th cited, the Ministry of Environment, Forest and Climate Change (MoEF&CC) Notification dated 14.03.2017 has stated that the cases of violations will be dealt strictly as per the procedure specified in the following manner.*

*4. In the counter filed on behalf of R2, the authority refers, at para-6, to certain additional particulars that were called for under letters dated 05.01.2016 and 31.03.2016 and states that since the additional particulars had not been submitted, the impugned order had come to be passed returning the application.*

*5. Learned counsel for the petitioner, in such circumstances would pray that the petitioner be permitted to submit the additional particulars as sought for by R2. Acceding to the prayer, the impugned order is sustained as there is nothing untoward pointed out therein, and the submission of the petitioner to the effect that it would submit the materials called for, is recorded. **Let the same be submitted within a period of four weeks from today**, upon receipt of which, speaking orders will be passed by R2 after hearing as the petitioner, expeditiously as possible. This writ petition stands disposed as above. No costs. Consequently, connected miscellaneous petitions are closed."*

  
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SEAC- TN

Now the proposal was placed before the 316<sup>th</sup> meeting of SEAC. SEAC noted that the PP had approached the Hon'ble High Court against the decision of SEIAA and also the 'approved mining plan' called for by SEIAA from the PP has not yet been submitted to SEIAA and therefore the matter should have been placed before SEIAA first. SEAC, therefore, decided to remit the proposal back to SEIAA.

**Agenda No: 316- 18**

**(File No: 8687/2021)**

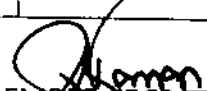
**Proposed Rough stone quarry lease over an extent of 3.70.0Ha in S.F.Nos.87/1B2(P), Kothapetta Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by M/s.MA Quality Stone – For Environmental Clearance (SIA/TN/MIN/66063/2021, dated 16.07.2022)**

The project proposal was placed for appraisal in this 316<sup>th</sup> meeting of SEAC held on 30.9.2022. The details of the project furnished by the proponent are available in the PARIVESH web portal (parivesh.nic.in).

The Committee noted that,

1. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
2. ToR with Public Hearing issued vide Lr No.SEIAA-TN/F.No.8687/SEAC/ToR-1067/2022 Dated: 01.03.2022.
3. Public hearing was conducted on 07.06.2022.
4. EIA report was submitted on 18.07.2022.

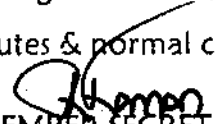
Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: M/s.MA Quality Stone 58B, Gandhi Nagar Krishnagiri District-635001
2	Type of quarrying	: Rough stone
3	S.F No. Of the quarry site with area break-up	: 87/1B2(P)
4	Village in which situated	: Kothapetta
5	Taluk in which situated	: Krishnagiri

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN

6	District in which situated	:	Krishnagiri
7	Extent of quarry (in ha.)	:	3.70.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	12°33'04.6251"N to 12°32'53.7570"N 78°12'46.0552"E to 78°12'57.5020"E
9	Topo Sheet No.	:	57-L/02
10	Type of mining	:	Opencast Semi-Mechanized Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m3)	:	5,00,977 m3 of rough stone
13	Depth of quarrying	:	50m (45m AGL + 5m BGL)
14	Depth of water table	:	70m-75m BGL
15	Man Power requirement per day:	:	15 Nos.
16	Precise area communication approved by the Assistant Director (Addl.Charge), Department of G&M	:	Roc.No.1179/2020/Mines, dated:22.02.2021
17	Mining Plan approved by Assistant Director, (Addl.Charge), Department of Geology and Mining with date	:	RC.No.1179/2020/Mines, dated:27.02.2021
18	Assistant Director, (Addl.Charge), mines 500m cluster letter	:	Roc.No.1179/2020/Mines, dated: 27.02.2021.
19	Project Cost (excluding EMP cost)	:	66.40 Lakh
20	EMP cost	:	29.55 Lakh
21	CER cost	:	5 Lakh

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 5,00,977 cu.m of rough stone for an ultimate depth of 50 m 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

  
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SEAC -TN

63

  
CHAIRMAN  
SEAC- TN

specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide **MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall maintain a safety zone of 7.5 m invariably along the South side of the proposed quarry adjacent to the neighbouring quarry and it shall not be extracted unless a statutory permission is obtained from the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulations 111 (3) of MMR, 1961.
7. The PP shall carry out the shallow depth Jack hammer drilling (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

  
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SEAC -TN

8. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
10. As it was revealed during the deliberations, the PP is instructed to carry out the scientific studies on design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock in the proposed quarry, by involving a reputed Research and Academic Institution such as NIRM, IIT (ISM)/Dhanbad, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories 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.
11. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m agl after having approved by the concerned AD (Geology & Mines) to the DEE/TNPCB before obtaining CTO.
12. Since few habitations are situated close to the mine lease boundary, the PP shall carry out the scientific studies on impacts of blasting operations on the surroundings such as ground vibration, air-blast and fly rock within one year after the commencement of mining operations, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
13. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
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. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.
  17. The PP shall include the Mine closure activities as an integral part of the whole life-of-mine plan and, also protect the environment and public health & safety by using safe & responsible closure practices. The PP shall carry out the Progressive closure activities from the commencement of mining operation as provided in their EMP and it shall be reviewed by the concerned AD (Mines) annually.
  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 to the EMP as committed.
  19. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for providing infrastructure facilities and plantation of trees for panchayat Union Primary School, kothapetta Village before obtaining CTO from TNPCB.

  
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## ANNEXURE-I

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

  
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SEAC -TN

  
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SEAC- TN

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

  
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SEAC -TN

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 (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
  24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
  25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the

  
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CHAIRMAN  
SEAC- TN

quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.

26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.

27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix –II of this minute.

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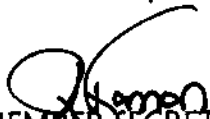
**Appendix -I**  
**List of Native Trees Suggested for Planting**

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சள், ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Manthara:	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax oiba</i>	Ilavu, Sevvilavu	இலை
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலை
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூரி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீறு உவா
21	<i>Diospyro ebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகை
23	<i>Ficus amplissima</i>	Kallichi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றாப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odham	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Linomia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிரம்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Munilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eachi	நச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	பங்கம்

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

  
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## Appendix –II

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

கரங்கம்

கரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/....., தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி.....தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	குவாரியின் எல்லைவயச் சுற்றி வேலி அமைக்க வேண்டும்
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	கரங்கப்பாளையின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
	காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
	இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லைவயச் சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
	கரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுரங்க பறக்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உள்விப்பாக செயல்படுத்தப்பட வேண்டும்
	கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.
	கரங்க சட்ட விதிகள் 1987ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்கரத்தாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.
	கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைவை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.
	கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.
	நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.
	கரங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.
	கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.
	கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்யது தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகமைப்பகுதியை உருவாக்க வேண்டும்.
	(முழுமையான நிபந்தனைகளை அரிய பாரிவேஷம் ( <a href="http://parivesham.in">http://parivesham.in</a> ) என்சிற இணையதளத்தைப் பார்வையிடவும்) மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்கள்க்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.

  
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