

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of 318<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 6.10.2022 September 2022 (Thursday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Malligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No. 318- 01

(File No. 9029/2022)

Proposed Gravel, Laterite & Pebbles quarry lease over an extent of 2.15.0 Ha at S.F.Nos. 110/1 & 111/3A of Vilangalpattu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru A.J. Sakthi- for Environmental Clearance.(SIA/TN/MIN/257810/2022 dated 22.02.2022)

Earlier, this proposal was placed in 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/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

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 soil analysis report indicating the composition/component of the minerals proposed to be quarried obtained from anyone of the following test laboratories authorized by the Director of Geology and Mining as directed in the above Judgment.

1.	Department of Civil Engineering, National Institute of Technology, Trichy – 620015.
2.	Department of Civil Engineering, Govt College of Engineering, Karuppur, Salem – 636011.
3.	Division of Soil Mechanics and Foundation Engineering, Dept of Civil Engineering, Anna University, CEG Campus, Guindy, Chennai – 600025.

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

Now the proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. The

  
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Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

Sl. No	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru.A.J.Sakthi S/o.Jayakumar A-7, Coir Lane Neyveli T.S, Kurinjipadi Taluk Cuddalore District-607807
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel, Laterite & Pebbles Quarry
3.	S.F No. of the quarry site with area break-up	S.F No. 110/1 & 111/3A
4.	Village in which situated	Vilangalpattu Village
5.	Taluk in which situated	Cuddalore Taluk
6.	District in which situated	Cuddalore District
7.	Extent of Quarry (in ha.)	2.15.0ha
8.	Period of Quarrying proposed	Two years.
9.	Type of Mining	Opencast Method of shallow mining
10.	Production (Quantity in m <sup>3</sup> )	As per mining plan, the lease period is 2 years. The mining plan is for the period of 2 years & the production should not exceed 45,090m <sup>3</sup> of Gravel & Laterite @ 90% and 5,010m <sup>3</sup> of Pebbles @ 10% with an ultimate depth of mining 5m above ground level. The annual peak production 25272 m <sup>3</sup> of Gravel & Laterite @90% (2 <sup>nd</sup> year) and 2808 m <sup>3</sup> of Pebbles @ 10% (2 <sup>nd</sup> year).
11.	Latitude & Longitude of all corners of the quarry site	11°42'43.44"N to 11°42'50.16"N 79°38'50.84"E to 79°38'57.74"E
12.	Topo sheet No.	58-M/ 10
13.	Man power requirement:	8 Employees
14.	Precise Area Communication approved by the Assistant Director, Department of Geology and Mining, Cuddalore District	Rc.No.137/Mines/2019, Dated: 26.10.2021.
15.	Mining plan approved by the Assistant Director, Department of	Rc.No. 137/Mines/2019 Dated: 27.01.2022.

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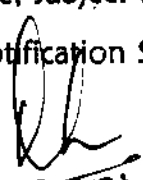
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	Geology and Mining, Cuddalore	
16.	500mts letter approved by the Assistant Director, Department of Geology and Mining, Cuddalore	Rc.No. 137/Mines/2019 Dated: 27.01.2022.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	1.5KLD 0.2KLD 0.6KLD 0.7KLD
18.	Power requirement: a. Domestic purpose a. Machinery works	8,350 liters of HSD Diesel used for entire project life
19.	Depth of Mining	5m above ground level
20.	Depth of Water table	55m-50m depth below ground level.
21.	Whether any habitation within 300m distance	There are no approved habitations within the radius of 300m.
22.	Project cost	Rs. 30,90,000/-
23.	EMP cost	Capital cost - 4,85,000/- Recurring cost - 6,46,600/-
24.	CER cost	Rs.2,75,000 lakhs
25.	VAO letter dated	19.04.2021

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 45,090m<sup>3</sup> of Gravel & Laterite and 5,010m<sup>3</sup> of Pebbles with an ultimate depth of mining restricted upto 5m above ground level and the annual peak production 25272 m<sup>3</sup> of Gravel & Laterite and 2808 m<sup>3</sup> of Pebbles, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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

  
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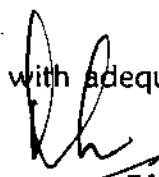
2. The proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. Since the quarry is located near the habitations, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
7. The PP shall obtain the Consent / NoC from the concerned BDO if village road is to be used for transportation.
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 and submit the consolidated report to TNPCB once in six months.
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.

  
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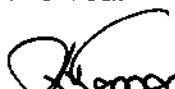
  
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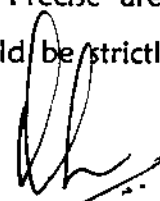
11. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture. 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 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, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. 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 as per the Environmental Management Plan & the approved Mine Closure Plan.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
16. 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.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.

  
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18. 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.
19. 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.
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. 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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25. 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.
26. 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.
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 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 to the EMP as committed.
30. As accepted by the Project Proponent the CER cost is Rs.2.75,000 lakhs and the amount shall be spent on the committed activities before obtaining CTO from TNPCB.

**Agenda No. 318-2**

**(File No. 9030/2022)**

**Proposed Gravel quarry over an extent of 1.28.0 Ha in S.F.No.116/1 of Thiruvanthipuum Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru. P. Muthukumaran- for Environmental Clearance.(SIA/TN/MIN/257808/2022 dated: 22.02.2022)**

The 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:**

  
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1. The project proponent, Thiru P. Muthukumaran has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.28.0 Ha in S.F.No. 116/1 of Thiruvanthipuum Village, Cuddalore Taluk, Cuddalore 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 Gadilam River is flowing at a distance of 1.15 km from the proposed quarry site.


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 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 fall under any notified/declared protected zones in terms of Judgement 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.
- ii. The project proponent shall furnish soil analysis report indicating the composition/component of the minerals proposed to be quarried obtained from **anyone of the following test laboratories** authorized by the Director of Geology and Mining as directed in the above Judgment.

1.	Department of Civil Engineering, National Institute of Technology, Trichy – 620015.
2.	Department of Civil Engineering, Govt College of Engineering, Karuppur, Salem – 636011.
3.	Division of Soil Mechanics and Foundation Engineering, Dept of Civil Engineering, Anna University, CEG Campus, Guindy, Chennai – 600025.

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

The project proponent submitted the details on 01.09.2022.

  
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The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. 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 proponent shall furnish extract of old A-Register relating to the site from the Revenue record.
- ii) Detail of existing trees present in and around the proposed quarry to be enumerated and submitted.

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

**Agenda No. 318-03**

**(File No. 9083/2022)**

**Proposed Rough Stone and Gravel quarry over an extent of 0.98.0 Ha in S.F.No. 219 (Part) of Thalakkurai Village, Pollachi Taluk, Coimbatore District, Tamil Nadu by Thiru P. Sivasubramanian for Environmental Clearance (SIA/TN/MIN/261166/2022 dated 11.03.2022)**

Earlier, this proposal was placed in this 282<sup>nd</sup> Meeting of SEAC held on 04.06.2022. 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 P. Sivasubramanian has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry over an extent of 0.98.0 Ha in S.F.No. 219 (Part) of Thalakkurai Village, Pollachi Taluk, Coimbatore District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 46,670 cu.m. of Rough Stone. The annual peak production 11,405 Cu.m (1<sup>st</sup> year). The ultimate depth- 40 metres below ground level.
4. Earlier this proposal was placed in 282<sup>nd</sup> SEAC meeting held on 04.06.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to get the following details from the PP.

  
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- The PP shall furnish certified compliance report from MoEF&CC/TNPCB on the existing EC issued.
- The PP shall furnish slope stability action plan for the planned working benches and also for the realignment of benches in the existing quarry.
- The PP shall submit an Action Plan to merge the existing quarry with the proposed quarry to be furnished.
- Details of Odai viz nature of Odai, origin, category etc.,
- The PP shall furnish the revised mining plan after leaving necessary safety distance for the Odai & same shall be approved by competent authority.

Subsequently, based on the reply furnished by the PP, the proposal was again placed in 318th SEAC minutes held on 07.10.2022. Based on the presentation made and documents furnished, SEAC decided to call for additional details

1. The PP shall furnish certified compliance report on the previous EC obtained vide Lr. No. SEIAA-TN/F.No 3959/1(a) E.C. No:3098/2016, dated. 02.03.2016, from the IRO Chennai, MoEF&CC (or) TNPCB.
2. The PP shall furnish slope stability action plan approved by the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m.
3. The proponent shall submit the flood mitigation measures for the Odai situated at a distance of 60 m South West side of the proposed quarry.

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

**Agenda No: 318-04**

**(File No: 9107/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 1.43.0 Ha S.F.No.360/1B (P), 360/1E, 360/1G Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru V. Somasundaram- For Terms of Reference (SIA/ TN/ MIN/ 73834/ 2022 Dt: 18.03.2022)**

The proposal was placed in 274<sup>th</sup> SEAC meeting held on 19.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, Thiru V. Somasundaram has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 1.43.0 Ha S.F.No.360/1B (P), 360/1E, 360/1G Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production as per mining plan for 5 years not to exceed —48923 m<sup>3</sup> of Rough Stone and 1350 m<sup>3</sup> of Gravel. The Annual peak production as per mining plan is 10345m<sup>3</sup> of Rough Stone (5<sup>th</sup> year) and 1350m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate depth of 32m.

SEAC decided that the PP shall furnish certified compliance report of the existing Environmental Clearance issued from MoEF&CC/TNPCB. On the receipt of the same further deliberation will be done.

The project proponent submitted the details and the proposal was placed in this 318<sup>st</sup> Meeting of SEAC held on 07.10.2022. Based on the presentation made by the proponent, SEAC recommended grant of Terms of Reference (TOR) with Public Hearing subject to the following TORs, in addition to the standard terms of reference for combined EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The project proponent shall provide solar lighting system to the nearby villages before submitting EIA report as committed in earlier EC compliance report.
2. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying before submitting EIA report as committed in earlier EC compliance report.
3. The PP shall provide the impact of the proposed quarrying activity on the lake and other surrounding water bodies which are existing within 1 km radius from the mining lease area shall be furnished.

  
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4. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
5. The PP shall provide conceptual design for carrying out the 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 30 m from the blast site.
6. In the case of proposed lease in an existing (or old) quarry where the benches are nonexistent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and furnish slope stability action plan approved by the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, during the time of appraisal for obtaining the EC.
7. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
8. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
9. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.

  
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11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.

- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
- b) Quantity of minerals mined out.
- c) Highest production achieved in any one year
- d) Detail of approved depth of mining.
- e) Actual depth of the mining achieved earlier.
- f) Name of the person already mined in that leases area.
- g) If EC and CTO already obtained, the copy of the same shall be submitted.
- h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.


12. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).

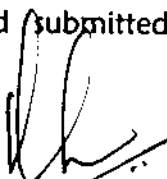
13. The PP shall carry out Drone video survey covering the cluster, green belt, fencing etc.,

14. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.

15. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.


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

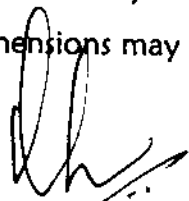
  
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18. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
19. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
21. Impact on local transport infrastructure due to the Project should be indicated.
22. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
23. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
24. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
25. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
26. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
27. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
28. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated in

- addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
29. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
30. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
31. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project-specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
33. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
34. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

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

**Agenda No: 318-05**

**(File No: 9169/2022)**

**Proposed Red Earth quarry lease over an extent of 2.71.5 Ha at S.F. No. 305/2A, 2B, 3A and 3B of Siraikulam Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. P. Paulraj - For Environmental Clearance.(SIA/TN/MIN/265227/ 2022 dated 08.04.2022)**

Earlier, this proposal was placed in 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. P. Paulraj has applied for Environmental Clearance for the proposed Red Earth quarry lease over an extent of 2.71.5 Ha at S.F. No. 305/2A, 2B, 3A and 3B of Siraikulam Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu.

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

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

The project proponent shall furnish soil analysis report indicating the composition/component of the minerals proposed to be quarried obtained from anyone of the following test laboratories authorized by the Director of Geology and Mining as directed in the above Judgment.

1.	Department of Civil Engineering, National Institute of Technology, Trichy – 620015.
2.	Regional Testing Laboratory, Mellur, Industrial Estate, K. Pudur, Madurai – 625020.
3.	Division of Soil Mechanics and Foundation Engineering, Dept of Civil Engineering, Anna University, CEG Campus, Guindy, Chennai – 600025.

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

Now the proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

Sl. No	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. P. Paulraj S/o. Periakaruppan 97/1, Yadavar Street Ramanathapuram, Ramanathapuram District - 623 504
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Red Earth Quarry
3.	S.F No. of the quarry site with area break-up	S.F No .305/2A, 2B, 3A and 3B
4.	Village in which situated	Siraikulam Village
5.	Taluk in which situated	Kadaladi Taluk

  
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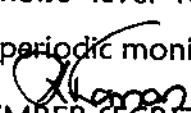
  
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6.	District in which situated	Ramanathapuram District
7.	Extent of Quarry (in ha.)	2.71.5Ha
8.	Period of Quarrying proposed	One year.
9.	Type of Mining	Opencast method of shallow mining
10.	Production (Quantity in m <sup>3</sup> )	As per mining plan, the lease period is 1 year. The mining plan is for the period of 1 year & the production should not exceed 23,312m <sup>3</sup> of Red Earth with an ultimate depth of mining 1m below ground level.
11.	Latitude & Longitude of all corners of the quarry site	09°13'18.10"N to 09°13'25.13"N 78°40'11.10"E to 78°40'16.65"E
12.	Topo sheet No.	58-K/12
13.	Man power requirement:	8 Employees
14.	Precise Area Communication approved by the Assistant Director (i/c), Department of Geology and Mining, Ramanathapuram District	Roc.No.G&M.2/41/2021, Dated: 03.02.2022.
15.	Mining plan approved by the Assistant Director (i/c), Department of Geology and Mining, Ramanathapuram District	Roc.No.41/G&M.2/2021, Dated: 28.02.2022.
16.	500mts letter approved by the Assistant Director (i/c), Department of Geology and Mining, Ramanathapuram	Roc.No.41/G&M.2/2021, Dated: 16.03.2022.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	2.0KLD 0.4KLD 1.0KLD 1.6KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	- 3880 liters of HSD Diesel used for the entire project life
19.	Depth of Mining	1m below ground level
20.	Depth of Water table	40m-35m depth below ground level.
21.	Whether any habitation within 300m distance	There are no approved habitations within the radius of 300m.
22.	Project cost	Rs. 14,82,000/-
23.	EMP cost	Capital cost - Rs. 4,70,000/- Recurring cost - Rs. 6,03,800/-
24.	CER cost	Rs. 2,00,000/-

25.	VAO letter dated	22.02.2022
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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 23,312m<sup>3</sup> of Red Earth with an ultimate depth of mining restricted upto 1m below ground level for a period of one year subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by 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 the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.

  
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7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture. 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.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. 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 as per the Environmental Management Plan & the approved Mine Closure Plan.
12. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
13. 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.

14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. 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.
16. 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.
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) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
20. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.

  
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21. 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.
22. 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.
23. 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.
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 to the EMP as committed.
27. As accepted by the Project Proponent the CER cost is Rs.2,00,000 Lakhs and the amount shall be spent on the committed activities before obtaining CTO from TNPCB.
28. The PP also spent Rs 2 Lakhs for mitigation works in Gulf of Mannar in consultation with DFO Ramanathapuram.

  
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Agenda No: 318-06

(File No: 9193/2022)

Proposed Rough Stone & gravel quarry lease over an extent of 1.76.0 Ha at S.F.Nos. 526/1 Pichanur Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. T.Kumaresh for Environmental Clearance (SIA/TN/MIN/267212/2022 Dt.07.07.2022)

The proposal was placed in this 318<sup>th</sup> meeting of SEAC held on 07.10.2022.

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	
1	Name of the Owner/Firm	: T. Kumaresh S/o. K. Thangamuthu Gounder Pichanur Post, Madukkarai Via Coimbatore District – 641 105
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone and Gravel
3	S.F No. of the quarry site with area break-up	: 526/1
4	Village in which situated	: Pichanur
5	Taluk in which situated	: Madukkarai
6	District in which situated	: Coimbatore
7	Extent of quarry (in ha.)	: 1.76.0 ha
8	Period of quarrying proposed	: 5 Years
9	Type of mining	: open cast mechanized mining
10	Production (Quantity in m <sup>3</sup> )	: As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 191840 cu.m of rough stone, 25552 m <sup>3</sup> of Gravel & 22816 m <sup>3</sup> of Weathered Gravel. The annual peak production is 41090 cu.m of rough stone (3 <sup>rd</sup> Year), 11200 m <sup>3</sup> of Gravel (1 <sup>st</sup> year) & 9916 m <sup>3</sup> of Weathered

  
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		Gravel (3 <sup>rd</sup> year). The ultimate depth is 44m BGL.
11	Annual peak production (Quantity in m <sup>3</sup> )	41090 cu.m of Rough stone (3 <sup>rd</sup> Year), 11200 m3 of Gravel (1 <sup>st</sup> year) & 9916 m3 of Weathered Gravel (1 <sup>st</sup> year).
11	Latitude & Longitude of all corners of the quarry site	: 10°50'14.15"N to 10°50'18.32"N 76°52'10.40"E to 76°52'16.15"E
12	Topo Sheet No.	: 58 B/13
13	Man Power requirement per day:	32 Employees
14	Precise area communication approved by the Assistant Director, Coimbatore with date	: Rc.No.1422/mines/2021, dated:10.02.2022
15	Mining Plan approved by the Assistant Director , dept of Geology and Mining with date	: Rc.No.1422/mines/2021, dated:24.02.2022
16	500 m approved by the Assistant Director, Dept of Geology and Mining	Rc.No.1422/mines/2021, dated:24.02.2022
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	: 1.2 KLD 0.3 KLD 0.6 KLD 0.3 KLD
18	Power requirement a. Domestic Purpose b. Industrial Purpose	TNEB  161532 liters of HSD entire project life
17	Depth of quarrying	: 44m BGL (2m Gravel + 2m Weathered Formation + 40m Rough stone)
18	Depth of water table	: 70-65 m
20	Project Cost	: Rs.65,74,000/-
21	EMP cost	: Capital cost: Rs. 12,66,000/- Recurring cost : Rs. 20,14,000/-
22	CER Cost	Rs. 5.0 lakhs
23	V AO Letter	Letter dated: 28.02.2022

Earlier, this proposal was placed in the 295<sup>th</sup> meeting of SEAC held on 15.7.2022. Based on the presentation made by the proponent SEAC decided to obtain the following details from the PP.

  
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1. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.

Now, the PP has furnished the copy of DFO letter dt:02.08.2022, wherein it is stated that the proposed quarry site is located at an aerial distance of 2.85km from the Boluvampatti Block I R.F. Hence, the proposal was placed for reappraisal in this 318<sup>th</sup> meeting of SEAC held on 07.10.2022. 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 total excavation not exceeding the quantity of 191840 cu.m of rough stone, 25552 m<sup>3</sup> of Gravel & 22816 m<sup>3</sup> of Weathered Gravel with annual peak production capacity of 41090 cu.m of Rough stone, 11200 m<sup>3</sup> of Gravel & 9916 m<sup>3</sup> of Weathered Gravel for an ultimate pit depth of 44 m bgl, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:**

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
4. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the working touches 40 m (or) during the 4th year whichever is earlier, by involving a

  
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reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

5. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on 'Impacts of the blasting operations carried out in the quarry on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
6. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
7. 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.
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 carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
10. The PP shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and

should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

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

**Agenda No.318 – 07.**

**(File No: 9234/2022)**

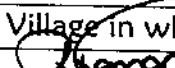
**Proposed Earth quarry lease over an extent of 0.86 Ha at S.F.No. 49/1B4, Kothattai Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by Thiru.T.S.Prabhu for Environmental Clearance (SIA/TN/MIN/270301/2022, Dt.02.05.2022)**

The proposal was placed in this 300<sup>th</sup> Meeting of SEAC held on 04.08.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The 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	
1	Name of the Owner/Firm	: Thiru. T.S.Prabu S/o. Sekar No. 46, Perampattu Chidambaram Cuddalore-608002
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Earth
3	S.F No. Of the quarry site with area break-up	: 49/1B4
4	Village in which situated	: Kothattai

  
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5	Taluk in which situated	: Bhuvanagiri
6	District in which situated	: Cuddalore
7	Extent of quarry (in ha.)	: 0.86.0 Ha
8	Latitude & Longitude of all corners of the quarry site	: 11°30'52.10"N to 11°30'56.00"N 79°42'33.53"E to 79°42'37.02"E
9	Topo Sheet No.	: 58 – M/10
10	Type of mining	Opencast Method of Shallow Mining
11	Period of quarrying proposed	: 2 years
12	Production (Quantity in m <sup>3</sup> )	: 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 11956 Cu.m of Earth. The annual peak production is 5978 Cu.m of Earth. The ultimate depth is 2 m BGL.
13	Depth of quarrying	: 2m below ground level
14	Depth of water table	: 18m-13m BGL
15	Man Power requirement per day:	8 Nos.
16	Source of Water Requirement	water vendors & Borewell
17	Water requirement: (in KLD) 3. Drinking & domestic purposes 4. Dust suppression 5. Green Belt	: 1.4 KLD 0.2 KLD 0.8 KLD 0.4 KLD
18	Power requirement	TNEB
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the, District Collector, with date	: Rc.No.195/Mines/2021, dt:10.03.2022
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Rc.No.195/Mines/2021, dt:31.03.2022


22	Assistant Director, Department of Geology and Mining 500m cluster letter	Rc.No.195/Mines/2021, dt:31.03.2022
23	VAO certificate regarding 300m radius cluster	Letter dt: 01.04.2022
24	Project Cost (excluding EMP cost)	: Rs.15.28 Lakhs
25	EMP cost	: Capital Cost – Rs. 4.70 Lakhs. Recurring Cost – Rs. 6.116 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.,
- 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.

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

  
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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 proposal was placed in the 545<sup>th</sup> Authority meeting held on 26.08.2022. 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. Impact on surrounding agricultural fields around the proposed mining Area.
- ii. Erosion Control measures.
- iii. Impact on soil micro flora & vegetation around the project site.

The proponent has furnished reply vide Ir. Dt: 22.09.2022 received in this office Dt: 26.09.2022. In this connection, the proposal was again placed in this 318<sup>th</sup> SEAC Meeting held on 07.10.2022.

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 period of 2 Years for the ultimate depth of mining upto 2 m BGL and the quantity of 11956 Cu.m. of Earth 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.

  
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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

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

11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
15. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
16. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
17. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.

18. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
19. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
20. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
21. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
22. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
23. The Project Proponent shall 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.
24. 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.

25. 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.
26. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
27. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
28. 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, Kothattai, Parangipettai union, Cuddalore District as committed, before obtaining CTO from TNPCB.

**Agenda No: 318-8**

**(File No: 9252/2022)**

**Proposed Rough Stone & Gravel Quarry lease over an extent of 1.61.94 Ha at S.F.No. 1400/A3(P) in Vellakoil Village, Kangayam Taluk, Tiruppur District, Tamilnadu by Thiru.S.Sivananthavadivel - For Environmental Clearance. (SIA/TN/MIN/270445/2022 dated 09.05.2022)**

The proposal was placed in 318<sup>th</sup> meeting of SEAC held on 07.10.2022. The details of the project are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

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

Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	Thiru.S.Sivananthavadivel, S/o. Sivanmalai Gounder,

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		D.No. 3/227-A1, Guruvayurappan Nagar, Kanakkampalayam, Tiruppur -641666.
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone & gravel
3.	S.F No. Of the quarry site	1400/A3 (P)
4.	Village in which situated	Vellakoil
5.	Taluk in which situated	Kangayam
6.	District in which situated	Tiruppur
7.	Extent of quarry (in ha.)	1.61.94 Ha
8.	Lease Period of quarry	5 years
9.	Type of mining	Opencast Mechanized mining
10.	Total Excavation & Annual Peak Production Capacity (Quantity in m <sup>3</sup> )	As per the mining plan, the total production for 5 years not to exceed 2,10,296 m <sup>3</sup> of Rough stone & 17,200 m <sup>3</sup> of gravel with an ultimate depth of 42m below ground level.  Annual Peak Production Capacity: 42900 m <sup>3</sup> of Rough stone (4 <sup>th</sup> year) & 6536 m <sup>3</sup> of gravel (1 <sup>st</sup> & 4 <sup>th</sup> years)
11.	Depth of quarrying	42 m
12.	Latitude & Longitude of all corners of the quarry site	10°54' 40.77"N to 10°54' 45.42"N 77° 42'27.66"E to 77°42'33.12"E
13.	Top Sheet No.	58- F/09
14.	Man Power requirement	22 Nos.
15.	Precise area communication Deputy Director, Department of G&M Mines with date	Rc.No. 279/2019/mines , dated: 14.03.2022
16.	Mining Plan approved by Deputy Director, Department of G&M Mines with date	Rc.No. 279/2019/mines , dated: 06.04.2022
17.	500m cluster letter issued by Deputy Director, Department of G&M Mines with date	Rc.No. 515/2021/mines , dated: 06.04.2022

  
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18.	Water requirement: 6. Drinking water & Domestic Purpose 7. Dust suppression 8. Green Belt	3.0 KLD 0.7 KLD 1.3 KLD 1.0 KLD
19.	Power requirement	171110 Liters of HSD for entire project life
20.	Depth of water table	70 - 65 m
21.	Project Cost (excluding EMP)	Rs. 56.18 lakhs
22.	EMP cost	Capital Cost – 12.59 Lakhs Recurring cost – 18.988 Lakhs
23.	VAO certificate regarding habitation within 300m radius	Letter Dated : 06.04.2022

Earlier, the proposal was placed for appraisal in the 301<sup>st</sup> meeting of SEAC held on 06.08.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to consider the proposal for Environmental Clearance after the receipt of the following:

1. The PP shall furnish the proper lease deed document for the proposed project area.
2. The PP shall furnish the Modified EMP.

In view of these, the proposal is again placed in this 318<sup>th</sup> SEAC meeting. Based on the presentation and documents furnished by the project proponent, after detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 2,10,296 m<sup>3</sup> of Rough stone & 17,200 m<sup>3</sup> of gravel with an ultimate depth of 42m below ground level and not exceeding the annual peak production capacity of 42900 m<sup>3</sup> of Rough stone & 6536 m<sup>3</sup> of gravel, subject to the standard conditions as per the Annexure -I of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a

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

2. The proponent shall mandatorily appoint the statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. 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 PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
8. Since a village is located at a distance of 1 km from the proposed quarry, the PP shall carry out the scientific studies within one year of the commencement of mining operations on 'Impacts of the blasting operations carried out in the quarry on the surrounding villages and the prominent structures such as blast-

induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

9. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
10. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 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.
11. 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.
12. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
13. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
14. As per the MoEF & CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
15. The transplantation of the neem trees situated inside the proposed project site shall be carried out before obtaining CTO from TNPCB.

16. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards the Panchayat Union Primary School, N. Ganapathipalayam Padhmanabamangalam, Tiruppur District for the activities as committed, before obtaining CTO from TNPCB.

**Agenda No: 318-09**

**(File No: 8903/2021)**

**Proposed Rough Stone quarry lease over an extent of 1.60.0 Ha in S. F. Nos. 412/11 (Part-4) of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru.H. Kiruba sankar - For Environmental Clearance.(SIA/TN/MIN/238277/2022 Dated 06.01.2022)**

Earlier, this proposal was placed in 279<sup>th</sup> Meeting of SEAC held on 28.05.2022. During the meeting it was noted that both the project proponent and EIA Coordinator were absent. SEAC therefore, decided to defer the proposal and call for the explanation of the PP.

Now the proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. 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.H.Kiruba sankar has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.60.0 Ha at S.F.No.412/11 (Part-4) of Palamathi Village, Vellore Taluk, Vellore 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.

The PP requested to defer the project. Hence the committee decided to defer the proposal.

**Agenda No. 318-10**

**(File No. 9025/2022)**

**Proposed Earth quarry lease over an extent of 1.09.5 Ha at S.F.Nos. 245/2, 245/3, 245/4, 245/5, 245/4A, 258/1J & 258/3 of Vazhuthigaimedu Village, Ponneri Taluk, Thiruvallur District, Tamil Nadu by Thiru M.M. Ravi Mannar - For Environmental clearance. (SIA/TN/MIN/257897/2022 dated 01.06.2022)**

  
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The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. 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. M.M. Ravi Mannar has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 1.09.5 Ha at S.F.Nos. 245/2, 245/3, 245/4, 245/5, 245/4A, 258/1J & 258/3 of Vazhuthigaimedu Village, Ponneri Taluk, Thiruvallur 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 Kosasthalaiyar River is flowing at a distance of 437 m from the proposed quarry site.
4. Earlier, this proposal was placed in the 281<sup>st</sup> Meeting of SEAC held on 03.06.2022. Based on the presentation and document furnished by the project proponent, SEAC has done detailed analysis with soil test report and found the soil is classified as High Plastic Clay (CH) category Earth. The committee decided to ask for the following additional details from the Project Proponent.
  - (i) 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 fall under any notified/declared protected zones in terms of Judgement 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.
  - (ii) The project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the distance between the nearest R.F and the proposed quarry site.
  - (iii) The project proponent shall furnish registered consent document for land.

Now, the proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. Based on the presentation and document furnished by the project proponent, SEAC has done detailed analysis with registered consent document for land and found consent for the S.F.No. 245/2 was not obtained from the pattadhar. In addition to that the PP requested to remove the S.F.No. 245/2. Hence, the SEAC decided to obtain the following additional details from the Project Proponent.

1. Revised documents namely mining plan, mining plan approval letter, precise area communication letter and 500m radius letter from the Department of Geology and Mining.
2. Registered lease & consent for the S.F.No. 245/2.
3. DFO letter

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

**Agenda No. 318-11**


**(File No. 9078/2022)**

**Proposed Rough Stone quarry over an extent of 0.66.75 Ha in S.F.No. 149/A1(P) of Pallapatti Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tmt. A. Gangammal for Environmental Clearance.(SIA/TN/MIN/261004/2022 dated 10.03.2022)**

Earlier, this proposal was placed in 282<sup>nd</sup> Meeting of SEAC held on 04.06.2022. 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 Tmt. A. Gangammal has applied for Environmental Clearance for the proposed Rough Stone quarry over an extent of 0.66.75 Ha in S.F.No. 149/A1(P) of Pallapatti Village, Aravakurichi Taluk, Karur District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 11,189 m<sup>3</sup> of Rough

  
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Stone with an ultimate depth of mining 25m below ground level.. The annual peak production 2500 m<sup>3</sup> of Rough Stone (3<sup>rd</sup> year).

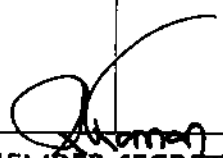
Based on the presentation and documents furnished by the project proponent, SEAC decided to get the following details from the PP.

1. The PP shall furnish certified compliance report from MoEF&CC/TNPCB on the existing EC issued.
2. The PP shall furnish slope stability action plan for the planned working benches and also for the realignment of benches in the existing quarry.

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

Now the proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

Sl. No	Details of the Proposal	
1.	Name of the Owner/ Firm	Tmt. A.Gangammal W/o.Mr.M.Angamuthu D.NO.41,Sokkalapuram, Lingamanaickenpatty-Post Aravakurichi Taluk Karur – 639207
2.	Type of quarrying (Savudu/ Rough Stone/ Sand/ Granite)	Rough stone quarry
3.	S.F No. of the quarry site with area break-up	S.F No .149/A1 (Part)
4.	Village in which situated	Pallapatti Village
5.	Taluk in which situated	Aravakurichi Taluk
6.	District in which situated	Karur District
7.	Extent of quarry (in ha.)	0.66.75Ha
8.	Period of quarrying proposed	Five Years
9.	Type of mining	Opencast, Semi-Mechanized mining
10.	Production (Quantity in m3)	As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 8239 m <sup>3</sup> of Rough Stone with an ultimate

  
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		depth of mining 20m below ground level (depth restricted considering safety aspects). The annual peak production 2500 m <sup>3</sup> of Rough Stone (3 <sup>rd</sup> year).
11.	Latitude & Longitude of all corners of the quarry site	10°42'20.66"N to 10°42'25.16"N 77°54'19.11"E to 77°54'22.55"E
12.	Topo Sheet No.	58 F/14
13.	Man Power requirement per day	16 Employees
14.	Precise area communication approved by the District Collector	Rc.No.270/Mines/2021, Date: 28.12.2021
15.	Mining Plan approved by the Deputy Director of Geology and Mining with date	Rc.No.270/Mines/2021, Date: 18.02.2022.
16.	500m cluster letter approved by the Deputy Director of Geology and Mining with date	Rc.No.270/Mines/2021, Date: 28.02.2022
17.	Total Water requirement 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	2.0KLD 1.0KLD 1.0KLD
18.	Power requirement a. Domestic purpose b. Machinery works	8944 Liters of Diesel will be utilized for rough stone.
19.	Depth of Mining	25m Below ground level
20.	Depth of water table	55m in Summer season - 50m Rainy season
21.	Whether any habitation within 300m distance	Sokkalapuram - 300m- West
22.	Project Cost	Rs.14,25,000/-
23.	EMP cost	Rs.2,75,000/-
24.	CER cost	Rs.4,00,000/-
25.	VAO letter dated	04.03.2022

Based on the presentation made by the proponent and considering the safe environment aspects of the quarry, the SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total production of 8239 m<sup>3</sup> of Rough with an ultimate depth of mining restricted upto 20m below ground level and not exceeding the annual peak production of 2500m<sup>3</sup> of Rough Stone, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, 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 furnish an affidavit stating that the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit will be constructed along with tree plantation around the quarry & in a nearby school premises before obtaining the CTO from TNPCB.
4. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
5. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

  
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6. 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.
7. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
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 Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
10. 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.
11. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
12. As accepted by the Project Proponent the CER cost is Rs.4,00,000 lakhs and the amount shall be spent on the committed activities for Government High School, Kovilur before obtaining CTO from TNPCB.

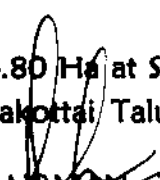
**Agenda No: 318-12**

**(File No: 9230/2022)**

**Proposed Rough Stone and Gravel quarry lease over an extent of 4.84.80 Ha at S.F. No. 150/2(P), 151/2(P), 151/3(P) & 151/4(P) Sevalpatti Village, Vembakottai Taluk,**

  
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Virudhunagar District, Tamil Nadu by Thiru. R.Thangappalani - For Environmental Clearance. (SIA/TN/MIN/270726/2022 Dated: 05/05/2022)

The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. R. Thangappalani has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 4.84.80 Ha at S.F. No. 150/2(P), 151/2(P), 151/3(P) & 151/4(P) Sevalpatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier this proposal was placed in 300<sup>th</sup> SEAC meeting held on 29.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that


(i) A fireworks factory is at a distance of 160m from the site. The proponent claims that the firework is not in operation for the past 4years. Hence, the PP is requested to furnish the letter of closure of the nearby fireworks unit obtained from the Controller of Explosives / Deputy Chief Controller of Explosives, Sivakasi Region, Sivakasi, Virudhunagar District.

(ii) Further, the PP shall submit the registered lease document.

Based on the reply furnished by the PP, the proposal was again placed in the 318<sup>th</sup> SEAC meeting held on 07.10.2022. Based on the presentation made by the PP, SEAC noted that a firework exists at 280 m in the North East direction of the proposed site (within 300 m from the quarry limit) and another five Firework factories are situated within 300 to 500 m distance radius from the quarry.

From the above, the SEAC had observed the following legal provisions of the Rule 36 (1-A) of Tamil Nadu Minor Mineral Concession Rules, 1959 as amended states:

*(a) "No lease shall be granted for quarrying stone within 300m from any habitated site"*

  
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*(iii) "Inhabited site means a village site or town site or house site or layout approved by a local body or town or country or metropolitan planning authority where the said Body or Authority is located under a state and empowered to approve such an area as a house site or layout area....."*

Besides the above legal limits, considering the sensitivity of the structures (i.e., Fireworks factory / magazine) involved and the human safety of the persons employed in such factory premises, the SEAC after having the detailed discussions decided not to recommend the proposal for Environmental Clearance.

**Agenda No. 318-13**

**(File No. 9240/2022)**

**Proposed ordinary Earth quarry over an extent of 2.44.0 Ha in S.F.Nos. 240/9A, 240/9B, 240/10, 240/12, 240/14, 240/15, 240/16, 240/17, 240/18, 240/19, 240/20, 240/21, 240/22, 240/23, 240/24, 240/25, 240/26, 240/27, 242/1A, 242/2, 242/8, 242/9 & 242/11 of Kilikkodi Village, Ponneri Taluk, Thiruvallur District, Tamil Nadu by Mr. T.J. Desamuthu Prop. M/s. T.J.S. Brick Industries for Environmental Clearance (SIA/TN/MIN/269141/2022 dated 11.05.2022)**

The proposal was placed in this 300<sup>th</sup> Meeting of SEAC held on 04.08.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Mr. T.J. Desamuthu Prop. M/s. T.J.S. Brick Industries has applied for Environmental Clearance for the proposed ordinary Earth quarry over an extent of 2.44.0 Ha in S.F.Nos. 240/9A, 240/9B, 240/10, 240/12, 240/14, 240/15, 240/16, 240/17, 240/18, 240/19, 240/20, 240/21, 240/22, 240/23, 240/24, 240/25, 240/26, 240/27, 242/1A, 242/2, 242/8, 242/9 & 242/11 of Kilikkodi Village, Ponneri Taluk, Thiruvallur District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 1 year. The mining plan for the period of 1 year and the production should not exceed 20117 cu.m. of ordinary Earth. The ultimate depth 1 metres Below ground level.

Based on the presentation & documents furnished by the project proponent, SEAC noted that the EIA coordinator has not inspected the site. Hence, the SEAC

  
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directed the EIA Coordinator to furnish the following;

1. Inspect the site to know the surrounding features of the proposed mining lease area, including ground truthing on the location of a burial ground abutting the mine lease area.
2. The detail with respect to the approach road, usage of the burial ground by the nearby villagers and impact of the mining activity on the burial ground, etc shall be studied and furnished.
3. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

On the receipt of the same further deliberations will be done on the proposal.

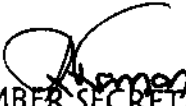
The proposal is for Earth the salient features of the proposal are as follows:

Sl. No	Details of the Proposal	
1.	Name of the Owner/Firm	: Thiru. T.J.Desamuthu, Prop.M/s.T.J.S.Bricks Industries, Eliyambedu-2, Ponneri, Tiruvallur District – 601206.
2.	Type of quarrying	: Earth
3.	S.F No. Of the quarry site with area break-up	: 240/9A, 240/9B, 240/10, 240/12, 240/14, 240/15, 240/16, 240/17, 240/18, 240/19, 240/20, 240/21, 240/22, 240/23, 240/24, 240/25, 240/26, 240/27, 242/1A, 242/2, 242/3, 242/7, 242/8, 242/9 & 242/11
4.	Village in which situated	: Kilikkodi
5.	Taluk in which situated	: Ponneri
6.	District in which situated	: Tiruvallur
7.	Extent of quarry (in ha.)	: 2.44.0 Ha (patta land)
8.	Period of quarrying proposed	: 1 year

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9.	Type of mining	Opencast semi Mechanized mining
10.	Production (Quantity in m <sup>3</sup> )	: 20,117 m <sup>3</sup> of Earth
11.	Depth of quarrying	: 1m
12.	Latitude & Longitude of all corners of the quarry site	: 13°21'57.30"N to 13°22'7.34"N 80°8'42.01"E to 80°8'50.05"E
13.	Top Sheet No.	: 66-C/03
14.	Man Power requirement	14 Nos.
15.	Precise area Assistant Director with date	: Na.Ka.No. 262/2021/Kanimam.1, Dated: 10.01.2022
16.	Mining Plan approved by Deputy Director, Department of G&M Mines with date	: Rc.No. 262/2021/G&M-1, Dated: 21.01.2022
17.	Deputy Director, Department of G&M Mines with date 500m cluster letter	Rc.No. 262/2021/G&M-1, Dated: 21.01.2022
18.	Water requirement: 9. Drinking & Utilized water 10. Dust suppression 11. Green Belt (in KLD)	: 1.31 KLD 0.31 KLD 0.5 KLD 0.5 KLD
19.	Power requirement c. Domestic purpose	: 5,360 Liters of Diesel will be used for Ordinary Earth
20.	Depth of water table	: 10m in rainy & 15m in summer season
21.	EMP cost	: Capital Cost - Rs. 9,24,800 Recurring Cost – Rs. 1,14,000
22.	CER cost	: Rs. 2,00,000
23.	Project Cost (Excluding EMP)	: Rs. 3,80,000

  
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The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 20117 cu.m. of ordinary Earth for a depth of not exceeding 1 m , for the period of 1year subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory 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 PP shall maintain a dedicated and separate access road leading to the burial ground located adjacent to the proposed quarry from the village panchayat road during the period of quarrying without causing disturbance to the public.
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 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.
  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.
  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.
  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 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.

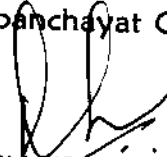
  
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14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing 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.
16. 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.
17. 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
18. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
19. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and 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.
20. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
21. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.

22. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
23. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
24. The Project Proponent shall 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.
25. 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..
26. 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.
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. 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. 5 lakhs and the amount shall be spent for providing infrastructure facilities and plantation of trees for panchayat Govt School, Kilikkodi Village before obtaining CTO from TNPCB.

  
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**Agenda No: 318-14**

**(File No: 9306/2022)**

**Proposed Rough Stone quarry lease over an extent of 2.84.0 Ha at S. F. Nos. 513/2C & 595/2(Part), Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by Tmt P. Amaravathi - for Terms of Reference (SIA/TN/MIN/77887/2022 Dated 08.06.2022)**

The project proposal was earlier placed in the 301<sup>st</sup> meeting of SEAC held on 06.08.2022. During the meeting it was noted that the EIA Coordinator vide letter dated 04.08.2022 has explained his inability to attend this meeting in view of the ongoing NABET surveillance assessment and has requested for re-scheduling appraisal of this project. The Committee, accepting the request, has therefore decided to defer the proposal to a later date.

Now the proposal was placed for appraisal in this 318<sup>th</sup> meeting of SEAC held on 07.10.2022.

**The SEAC noted the following:**

1. The project proponent, Tmt P. Amaravathi has applied seeking Terms of Reference for EIA study for the proposed Rough Stone quarry lease over an extent of 2.84.0 Ha at S. F. Nos. 513/2C & 595/2(Part), Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. As per the mining plan, the mining period is for 5 years. The production for 5 years not to exceed 2,72,149m<sup>3</sup> of Rough stone with an ultimate depth of 45m BGL.

Based on the presentation made by the proponent, **SEAC recommended to grant of Terms of Reference (TOR) with Public Hearing** subject to the following TORs in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The Proponent shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.

  
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2. The Proponent shall carry out Bio diversity study through reputed institution and the same shall be included in EIA Report.
3. Detailed survey of permanent structures located within 2 Km from the project site shall be included in the EIA report.
4. As the proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed during the earlier operation period (2001-2006), the Project Proponent (PP) shall prepare and submit an 'Slope Stability Action Plan' for carrying out the realignment of the benches in the proposed quarry lease **after it is approved by the concerned Asst. Director of Geology and Mining** during the time of appraisal for obtaining the EC.
5. Concurrently, the PP shall furnish 'Slope stability action plan' during the time of EIA appraisal for ensuring the systematic working through proper design of benches incorporating the haul road with permitted gradient as the depth of the proposed quarry is exceeding 30 m.
6. The Proponent shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
7. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
8. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
9. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b. Quantity of minerals mined out.
  - c. Highest production achieved in any one year
  - d. Detail of approved depth of mining.
  - e. Actual depth of the mining achieved earlier.

  
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- f. Name of the person already mined in that leases area.
  - g. If EC and CTO already obtained, the copy of the same shall be submitted.
  - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
10. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
11. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
12. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
13. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
14. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
15. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.

- ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
17. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
  18. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
  19. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
  20. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
  21. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
  22. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
  23. Impact on local transport infrastructure due to the Project should be indicated.
  24. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
  25. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
  26. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to

implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.

27. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
28. The Proponent shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
29. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
30. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **Appendix-I** in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
31. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
32. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
33. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
34. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

35. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
36. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
37. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
38. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
39. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
40. The Proponent shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
41. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 318-15**

**(File No: 9328/2022)**

**Proposed Rough Stone and Gravel quarry lease over an extent of 2.18.84 Ha at S.F. No. 76/2C2,76/3A,76/4 & 149/10 Kottaiyur Village, Kallakurichi Taluk, Viluppuram District, Tamil Nadu by Tvl.Oriental Structures Engineers Pvt Ltd - For Environmental Clearance. (SIA/TN/MIN/278131/2022 Dated: 15/06/2022)**

The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. 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:

  
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1. The Project Proponent, Tvl.Oriental Structures Engineers Pvt Ltd has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 2.18.84 Ha at S.F. No. 76/2C2,76/3A,76/4 & 149/10 Kottaiyur Village, Kallakkurichi Taluk, Viluppuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier this proposal was placed in 300<sup>th</sup> SEAC meeting held on 29.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC had instructed

(i) The PP to leave a safety distance of 50m from the nearby road and revise the quantity accordingly.

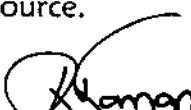
(ii) The PP must submit the budget for mine closure plan as part of EMP.

Based on the reply furnished by the PP, the proposal was again placed in the 318<sup>th</sup> SEAC meeting held on 07.10.2022. 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 total excavation quantity of 2,97,345 m<sup>3</sup> of ROM that includes 2,62,045m<sup>3</sup> of Rough Stone & 35,300 m<sup>3</sup> of Gravel for an ultimate depth of 30 m and however not exceeding an annual peak production of 1,41,470 m<sup>3</sup> of ROM which includes 1.21,428 m<sup>3</sup> of Rough Stone and 20,042 m<sup>3</sup> of Gravel, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
3. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting

operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

4. Since the habitations /village are situated at a distance range of 760 m from the mine lease boundary, the PP shall carry out the scientific studies on 'Impacts of the blasting operations carried out in the quarry on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT (ISM), 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.
5. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
6. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall if the depth of the quarry increased beyond 30m below ground level (or) during the 5<sup>th</sup> year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
7. 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.
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.

  
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9. 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.
10. 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. Besides the PP shall deposit the final closure cost into the DMF account as stipulated by the concerned AD (Geology & Mines) without fail.
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 to the EMP as committed.
14. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Government Boys Higher Secondary School, Thittakudi Village and Rs.5.1 Lakhs for Government Adi Dravida Nalan, Primary School Kottaiyur Village before obtaining CTO from TNPCB.

Agenda No: 318-16

(File No: 9149/2022)

Proposed Rough Stone and gravel quarry lease over an extent of 1.68.0 Ha at S.F.No. 80/6A & 80/6B of Vittamapatti Village, Viralimalai Taluk, Pudukkottai District, Tamil Nadu by Thiru. A.Stanislaus yobu - for Environmental Clearance. (SIA/TN/MIN/ 265878/2022 dated 04.04.2022)

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The proposal was placed in this 290<sup>th</sup> Meeting of SEAC held on 30.06.2022. 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/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

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

- (i) The project proponent shall submit certified compliance report.

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


Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. A. Stanislaus yobu S/o. Antonysamy, Paraipatti, Inamkulathur Post, Viralimalai Taluk, Pudukkottai – 621316.
2	Type of quarrying	: Rough Stone and Gravel
3	S.F No. Of the quarry site with area break-up	: 80/6A & 80/6B
4	Village in which situated	: Vittamapatti
5	Taluk in which situated	: Viralimalai
6	District in which situated	: Pudukkottai
7	Extent of quarry (in ha.)	: 1.68.0 Ha
8	Latitude & Longitude of all corners of the quarry site	: 10°41'7.6948"N to 10°41'6.6362"N 78°33'22.0979"E to 78°33'17.7318"E
9	Topo Sheet No.	: 58-J/10

  
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10	Type of mining		Opencast Mechanized Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m <sup>3</sup> )	:	1,77,329 m <sup>3</sup> of Rough Stone and 14,022 m <sup>3</sup> of Gravel
13	Depth of quarrying	:	38m BGL
14	Depth of water table	:	49m BGL
15	Man Power requirement per day:		18 Nos.
16	Precise area communication approved by the Assistant Director, Department of G&M	:	Rc.No.115/2020 (G&M), dated:31.01.2022
17	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.115/2020 (G&M), dated:02.03.2022
18	Assistant Director, mines 500m cluster letter		Rc.No.115/2020 (G&M), dated:02.03.2022
19	Water requirement:  12. Drinking & Utilized water 13. Dust suppression 14. Green Belt (in KLD)	:	1.5 KLD  0.5 KLD 0.5 KLD 0.5 KLD
20	Power requirement  a. Domestic purpose	:	  144196 Liters of HSD
21	VAO certificate regarding 500m radius Cluster		Letter dated: 21.03.2022
22	Project Cost (excluding EMP cost)	:	42.45 Lakhs
23	EMP cost	:	20.94 Lakhs
24	CER cost		5 Lakhs

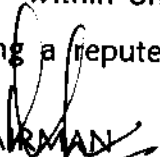
  
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The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a total production quantity of 1,77,329 m<sup>3</sup> of Rough Stone, 6,481 m<sup>3</sup> of Weathered rock and 14022 m<sup>3</sup> of Gravel for an ultimate depth of 38m BGL, but not exceeding the annual peak production capacity of 53904 m<sup>3</sup> of Rough Stone, 6,481 m<sup>3</sup> of Weathered rock and 14022 m<sup>3</sup> of Gravel subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster / mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. Vibration study during blasting shall be carried out for every year by engaging reputed Govt. institutions like IIT, NIT, etc and the report shall be submitted to the concern DGMS for reviewing.
4. The Project Proponent shall carry out the controlled blasting using jack hammer drilled 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.
5. However, the PP shall carry out the scientific studies on 'Design of the Primary blasting operations carried out in the quarry for reducing the impacts such as blast-induced ground/air vibrations and fly rock on the surrounding villages and the prominent structures' within one year from the commencement of mining operations, by involving a reputed

  
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Research and Academic Institution such as NIRM, IIT (ISM), 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.

6. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
7. 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.
8. Thick green belt of adequate width at the final boundary in the downwind direction of the project site shall be developed to mitigate/check the dust pollution.
9. 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.
10. 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.
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

  
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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 to the EMP as committed.

14. 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 Govt School, Vittampatti Village before obtaining CTO from TNPCB.

Agenda No. 318-17

(File No. 9212/2022)

Proposed Earth quarry over an extent of 3.21.0 Ha in S.F.Nos. 129/2A1,129/2B1 & 130/1 of Silamalai Village, Bodinayakkanur Taluk, Theni District, Tamil Nadu by Thiru.S. Mathiyazhagan- for Environmental Clearance (SIA/TN/MIN/268961/2022 dated 26.04.2022)

The proposal was placed in this 300<sup>th</sup> Meeting of SEAC held on 04.08.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S. Mathiyazhagan has applied for Environmental Clearance for the proposed Earth quarry over an extent of 3.21.0 Ha in S.F.Nos. 129/2A1,129/2B1 & 130/1 of Silamalai Village, Bodinayakkanur Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

1.	Name of the Owner / Firm	Thiru.S.Mathiyazhagan, S/o.P.Sivaji, No.7, Ward-4, West Street.
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		Chinnaovalapuram, Uthamapalayam Taluk, Theni District-625 515.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Earth Quarry
3.	S.F No. of the quarry site with area break-up	S.F.Nos. 129/2A1, 129/2B1 and 130/1
4.	Village in which situated	Silamalai
5.	Taluk in which situated	Bodinayakkanur
6.	District in which situated	Theni
7.	Extent of Quarry (in ha.)	3.21.0 Ha
8.	Mining Plan (Production) Period	Two years
9.	Lease period of the Quarry	2 years
10.	Type of Mining	Opencast Semi Mechanized Mining method without drilling and blasting
11.	Total Production (Quantity in m <sup>3</sup> )	51,974 m <sup>3</sup> of Earth
12.	Annual Peak Total Excavation Quantity	The Annual peak ROM & recoverable quantity of Earth is 25987 m <sup>3</sup> respectively with an ultimate depth of 2m BGL.
13.	Latitude & Longitude of all corners of the quarry site	09°58'44.93"N to 09°58'54.79"N 77°19'16.73"E to 77°19'22.58"E
14.	Topo sheet No.	58-G/5
15.	Man power requirement per day:	24 Employees
16.	Precise Area Communication approved by the District Collector with date	Rc. No. 219/Kanimam/2019 dated 29.11.2019
17.	Mining plan approved by the Assistant Director (i/c) Geology and Mining with date	Roc.No.219/Mines/2019, dated 12.12.2029.
18.	500mts letter approved by the Assistant Director, Dept of Geology and Mining with date	Rc. No. 219/Mines/2019 dated 24.03.2022
19.	Water requirement:  1. Drinking & domestic purposed (in KLD)  2. Dust Suppression & Green Belt (in KLD)	1.5 KLD  1.0 KLD  0.5KLD
20.	Power requirement:  a. Domestic purpose  b. Machinery works	TNEB  8600 liters of HSD for mining

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		plan period
21.	Depth of Mining	2m
22.	Depth of Water table	15m to 17m Below Ground Level
23.	Project cost (including EMP cost)	Rs. 31,14,000
24.	EMP cost	Capital and Recurring cost – Rs. 5,48,000
25.	CER cost	Rs. 3 lakhs
26.	VAO Letter	furnished

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

1. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

On receipt of the above details, the approvals may be placed in the SEAC for re-presentation.

The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 51974cu.m of Earth for an depth of 2m, for the period of 2 Years subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory 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

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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 PP shall maintain a dedicated and separate access road leading to the burial ground located adjacent to the proposed quarry from the village panchayat road during the period of quarrying without causing disturbance to the public.
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 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.
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.
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.
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 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.
14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. 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.
16. 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.
17. 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
18. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
19. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are

  
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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.

20. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
21. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
22. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
23. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
24. The Project Proponent shall 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.
25. 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.
26. 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.

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. 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. 5 lakhs and the amount shall be spent for providing infrastructure facilities and plantation of trees for Panchayat Union Middle School, Chinnapottipuram Village before obtaining CTO from TNPCB.

Agenda No: 318-18

(File No: 9343/2022)

Proposed Rough Stone & Gravel quarry Lease over an extent of 1.87.53 Ha at S.F.No. 82/1A, 83/5, 83/6, 83/9, 83/10, 101/2, 101/3 & 101/4A in Pudukalani Village, Ulundurpet Taluk, Kallakurichi District, Tamil Nadu by Thiru. G.Purushothaman - For Environmental Clearance (SIA/TN/MIN/278774/2022 dated 18.06.2022)

The proposal was placed in 318<sup>th</sup> meeting of SEAC held on 07.10.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:


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

Sl. No.	Details of the Proposal
1.	Name of the Owner/Firm : Thiru. G.Purushothaman, S/O. Gnanasekaran, Vadakurumbur Village, Ulundurpet Taluk, Kallakurichi - 607 201.
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite) : Rough Stone & gravel

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3.	S.F No. Of the quarry site	:	82/1A, 83/5, 83/6, 83/9, 83/10, 101/2, 101/3 & 101/4A
4.	Village in which situated	:	Pudukalani
5.	Taluk in which situated	:	Ulundurpettai
6.	District in which situated	:	Kallakurichi
7.	Extent of quarry (in ha.)	:	1.87.53 Ha
8.	Period of quarrying proposed	:	5years
9.	Type of mining	:	Opencast method of semi-mechanized mining
10.	Production (Quantity in m <sup>3</sup> )	:	As per the mining plan, the lease period is for 10 years. The mining plan is for the period of Five years. The total production for first 5 years shall not exceed 2,12,430 m <sup>3</sup> of Rough stone & 29,372 m <sup>3</sup> of gravel with an ultimate depth of 22m below ground level.  Annual Peak Production capacity: 48280 m <sup>3</sup> of Rough stone (II year) & 20440 m <sup>3</sup> of Gravel (II year).
11.	Depth of quarrying	:	22.0 m
12.	Latitude & Longitude of all corners of the quarry site	:	11°38' 34.03"N to 11°38' 40.06"N 79° 10'41.73"E to 79° 10'48.86"E
13.	Top Sheet No.	:	58- M/2
14.	Man Power requirement	:	32 Nos.
15.	Precise area communication Assistant Director (i/c), Department of G&M Mines with date	:	Rc.No. B/G&M/10/2022 dated:11.05.2022
16.	Mining Plan approved by Assistant Director(i/c), Department of G&M Mines with date	:	Rc.No. B/G&M/10/2022 dated:30.05.2022
17.	500m cluster letter issued by Assistant Director(i/c), Department of G&M Mines with date	:	Rc.No. B/G&M/10/2022 dated:30.05.2022

  
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18.	Water requirement: 3. Drinking & Domestic water 4. Dust suppression 5. Green Belt	: 2.50 KLD 1.50 KLD 0.50 KLD 0.50 KLD
19.	Power requirement	1,74,826 Liters of HSD for entire project life
20.	Depth of water table	: 65-70 m
21.	Project Cost (excluding EMP)	: Rs. 78,72,950/-
22.	EMP cost	: Capital Cost – Rs.25,08,000 Recurring Cost – Rs.2,04,000
23.	VAO certificate regarding habitation within 300m radius	: Letter Dated : 01.06.2022


Earlier, the proposal was placed in 308<sup>th</sup> SEAC meeting held on 01.09.2022. Based on the presentation and details furnished by the project proponent, SEAC noted that a water body is located at a distance of less than 20m from the west boundary of the proposed lease area. The Committee, after detailed discussions instructed the project proponent to submit a revised mining plan and mine quantity after leaving a safety distance of 50m from the water body situated to the west of the project site.

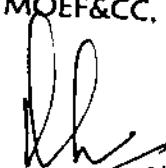
In view of this, the proposal is again placed in this 318<sup>th</sup> SEAC meeting. The project proponent stated as follows:

*"There is no any water body about for the radius of 500m from the project site. The nearby area situated near the project site is a quarry pit and it's not revenue tank/odai/kanmai."*

Further the proponent submitted the village map and A-register as supporting documents.

Based on the presentation and documents furnished by the project proponent, after detailed deliberations, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** for the quantity of **2,12,430 m<sup>3</sup> of Rough stone & 29,372m<sup>3</sup> of gravel** with an ultimate depth of 22m below ground level as given in the approved Mining Plan but not exceeding the Annual Peak Production Capacity of **48280 m<sup>3</sup> of Rough stone & 20440 m<sup>3</sup> of Gravel**, subject to the standard conditions as per the Annexure -I of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

  
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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. Mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
4. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based 'controlled' blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
5. 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.
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 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. Since the habitations and village are situated at a distance range of 560 m from the mine lease boundary, the PP shall carry out the scientific studies on controlled blasting within one year from the commencement of mining operations, for reducing the impact of blast-induced ground/air vibrations and fly rock, by involving a reputed Research and Academic Institution such as NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept

  
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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.

9. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with ruling gradient, before obtaining CTO from TNPCB.
10. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
11. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
12. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
13. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards the Panchayat Union Primary School, Pudhukalani for the activities as committed, before obtaining CTO from TNPCB.

**Agenda No: 318-19**

**(File No: 510/2020)**

**Environmental Clearance issued to M/s. ADD Albatross Properties Pvt Ltd., for the Construction of Residential Building at Survey Numbers: 12/2A, 3A & 7/3 of Egattur Village, Chengalpet Taluk, Kancheepuram District, Tamil Nadu- Applied for Amendment (SIA/TN/MIS/150464/2020 dated 12.05.2020)**

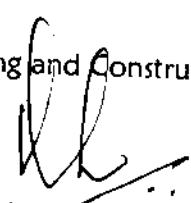
The proposal was placed in the 318<sup>th</sup> SEAC Meeting held on 07.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**SEAC noted the following:**

1. The project proponent, M/s. ADD Albatross Properties Pvt. Limited has applied for Amendment in Environment Clearance for the Proposed Expansion of Residential Complex project at S.F.Nos. 12/2A, 3A & 7/3 in Egattur Village, Chengalpet Taluk, Kanchipuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

  
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3. The Project Proponent has obtained Environmental Clearance from State Level Environment Impact Assessment Authority, Tamil Nadu vide SEIAA/TN/F.510/EC/8(a)/180/2011 dt: 27.06.2013.

During the presentation, the PP did not mention anything on the previous history of the proposal and the fact that the proposal was examined by the 185<sup>th</sup> Meeting of SEAC held on 07.11.2020. In this meeting SEAC had resolved as under.

*"From the compliance report, it is clearly indicated that the proponent has constructed the EWS tower with G+11 floors against the EC issued G+9 floors and applied for the amendment in the Environmental clearance after construction completed.*

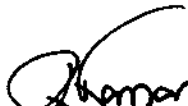
*Hence, the SEAC has decided to inform the followings to SEIAA-TN;*


1. *The proponent has constructed the EWS tower with G+11 floors against the EC issued G+9 floors and the same was declared by the project proponent in the introduction part (Section 1.1 of the EIA/EMP Report in the online application) of this application as follows*

*"We have constructed 2 upper floors in the EWS Block without obtaining prior environmental clearance, the project falls under the violation of EIA Notification, 2006."*

*Hence the proposal comes under the violation category.*

2. *The concerned Engineer who scrutinized this application has knowingly forwarded this improper application to SEAC for appraisal. The necessary instruction may be given by SEIAA to the concerned engineer to verify the applications properly.*
3. *It is understood that the NABET consultant who involved in preparing and submitting the application for this amendment, even the consultant already knows that this proposal falls under violation case. Hence the SEAC decided to direct the NABET consultant to furnish the reason for the same to SEIAA-TN since the project is comes under violation and same was informed by the project proponent as said above in the point number 1. The necessary instruction may be given by SEIAA to the concerned NABET consultant after receiving his reply.*
4. *The date of application by Project Proponent by online is on 12.05.2020 and hence it does not fall within the window period as per the MOEF&CC Notifications dated 14.03.2017, 08.03.2018 and office Memorandum vide F. No. 22-10/2019-1A.111 dated 09.09.2019. Hence there is no provision for processing this application even under violation case.*

  
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5. Further the SEAC has decided to refer the proposal for the SEIAA-TN to address the state Government to initiate the legal action against the proponent under the provision of the section 19 of the Environment (Protection) Act, 1986 for the violations since the proponent has constructed the building against Environmental Clearance issued.
6. The SEAC unanimously decided to request the SEIAA office to take necessary steps to strengthen the process of accepting the application after checking of completeness of the application in the SEIAA-office as per MoEF&CC guidelines so as to avoid to forwarding these types of applications for the appraisal of SEAC."

Based on the documents available, SEAC decided the following.

1. In spite of the above, again the very same proposal has been sent to SEAC without proper scrutiny by SEIAA. SEIAA should ensure proper prior scrutiny of proposals before sending them to SEAC.
2. Based on the above decision of SEAC and based on the letter written by MS-SEIAA, the Environment, Climate Change & Forest (EC.3) Department, Government of Tamilnadu in its Letter No. 13923/EC.3/2021-1, dated 07.09.2021 has directed TNPCB to take immediate action against the PP under Sec.19 of the Environment (Protection) Act, 1986. The present status of this action may be ascertained by SEIAA and informed to SEAC.
3. SEAC may call for the explanation of the EIA coordinator and PP for not disclosing the past history of the proposal in their presentation made before SEAC.

**Agenda No: 318-20**

**(File No: 8689/2021)**

**Proposed Rough Stone quarry lease over an extent of 0.67.50 Ha at S.F.No. 301/1A, 301/1B and 301/1C of Ariyur Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru. P.Boopalan- for Environmental Clearance. (SIA/TN/MIN/ 222830/2021 dated 22.07.2021)**

The proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. 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.P.Boopalan has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 0.67.50 Ha at S.F.No. 301/1A, 301/1B and 301/1C of Ariyur Village, Vellore Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects"

  
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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 49,835 cu.m of Rough Stone with an ultimate depth of mining is 31m below ground level. The Annual peak production as per mining plan is 10,070cu.m of rough stone.

Earlier, this proposal was placed in the 288<sup>th</sup> Meeting of SEAC held on 23.06.2022. Based on the presentation and document furnished by the project proponent, SEAC decided that the project proponent shall submit certified compliance report. On receipt of the above details, SEAC would further deliberate on this project and decide the further course of action.

Now, the proposal was placed in this 318<sup>th</sup> Meeting of SEAC held on 07.10.2022. During the meeting the Committee noted that **the project proponent is absent** during the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

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

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

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

  
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take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the roadway 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

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

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

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

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

  
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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	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கறிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்புங்கள் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தான்றி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்கரா
60	<i>Wrightia tinctoria</i>	Veppalai	வெப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்பழி



# Appendix -II

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

கறங்கங்களில் குவாரி செயல்பாடுகளுக்கான கற்றுத்தழல் அனுமதி கிழகம் நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளன. SEAA, தேதி 19.11.20, கற்றுத்தழல் அனுமதி தேதி வரை செல்லத்தக்கதாக உள்ளது.

கறங்கம்

பகைப் பகுதி வளர்ச்சி மேம்பாட்டுக்கான கறங்கத் திட்டம்	குவாரியின் எல்லையைக் கற்றி வேலி அமைக்க வேண்டும்.
நடப்பட்டு	கறங்கப்பாறையின் ஆழம் தரையட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	காற்றில் மாடு ஏற்படாதவாறு கறங்க பணிகளை மேற்கொள்ள வேண்டும்.
கறங்கத்தில் வெடி வைக்கும்பொழுது நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	வாகனங்கள் செல்லும் பாதையில் மாடு ஏற்படாத அளவிற்கு தண்டனையை முறையாக தணைநீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
கறங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபிஎஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	இரைச்சல் அளவையும் தூசி மாகடாட்டப்படும் குறைப்பதற்காக குவாரியின் எல்லையை கற்றி அடர்த்தியான பகைப் பகுதியை ஏற்படுத்த வேண்டும்.
கறங்க சட்ட விதிகள் 1986 கீழ் கறங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு	கறங்க சட்ட விதிகள் 1986 கீழ் கறங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு
கறங்கப் பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	கறங்கப் பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.
கறங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	கறங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.
கறங்க நடவடிக்கைகளை முடித்தபின்னர் கறங்கப் பகுதி மற்றும் கறங்க நடவடிக்கைகளால் இடைபுறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய துவாறங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைப்பகுதியை உருவாக்க வேண்டும்.	கறங்க நடவடிக்கைகளை முடித்தபின்னர் கறங்கப் பகுதி மற்றும் கறங்க நடவடிக்கைகளால் இடைபுறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய துவாறங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைப்பகுதியை உருவாக்க வேண்டும்.
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் ( <a href="https://parivesh.in">https://parivesh.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித கற்றுத்தழல் சார்ந்த புகாருக்கும் சென்னையில் உள்ள கற்றுத்தழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டாய் அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாநகர் கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தழல் பொறியாளரை அணுகவும்.	முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் ( <a href="https://parivesh.in">https://parivesh.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித கற்றுத்தழல் சார்ந்த புகாருக்கும் சென்னையில் உள்ள கற்றுத்தழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டாய் அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாநகர் கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தழல் பொறியாளரை அணுகவும்.

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