

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 317th meeting of the State Expert Appraisal Committee (SEAC) held on 6.10.2022 September 2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 317-01

(File No: 7023/2022)

Proposed Rough stone & Gravel quarry lease over an extent of 2.95.5 Ha in S.F.No 73/1, 73/2, 73/3 & 73/4, Myleripalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru.S.Shanmugasundaram, - For Environmental Clearance. (SIA/TN/MIN/67675/2019 Dt. 01.07.2022)

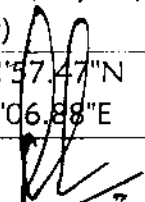
The proposal was placed for appraisal in this 317th meeting of SEAC held on 06.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. S. Shanmugasundaram
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	: 73/1, 73/2, 73/3 & 73/4
4	Village in which situated	: Myleripalayam Village
5	Taluk in which situated	: Madukkarai Taluk
6	District in which situated	: Coimbatore District
7	Extent of quarry (in ha.)	: 2.95.5 ha
8	Period of quarrying proposed	: 5 Years
9	Type of mining	: open cast semi mechanized mining
10	Production (Quantity in m ³)	: 230640m ³ of Rough stone 3206m ³ of Gravel
11	Annual peak production (Quantity in m ³)	: 46341 m ³ Rough stone (5 th year) and 3206 m ³ of Gravel (1 st year)
11	Latitude & Longitude of all corners of the quarry site	: 10°51'48.74"N to 10°51'57.47"N 77°02'2.02"E to 77°02'06.88"E



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12	Topo Sheet No.	: 58 F/1
13	Man Power requirement per day:	15 Employees
14	Precise area communication approved by the District Collector, Coimbatore with date	: No.182/Mines/2019, dated 15.07.2019
15	Mining Plan approved by the Assistant Director of Geology and Mining with date	: No.182/Mines/2019, dated 24.07.2019
16	500 m approved by the Assistant Director(i/c) , Joint Director , Dept of Geology and Mining	No.182/Mines/2019, dated 24.07.2019
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	: 3.7KLD 1.0 KLD 2.7 KLD
18	Power requirement a. Domestic Purpose b. Industrial Purpose	TNEB -
17	Depth of quarrying	: 38m BGL
18	Depth of water table	: 40m BGL
20	Project Cost (excluding EMP cost)	: 83 lakhs
21	EMP cost	: Capital cost- 6.20 lakhs Recurring cost- 1.0 lakhs
22	CER cost	5.0 lakhs
22	ToR issued	Lr No. SEIAA-TN/F.No.7023/SEAC/TOR-672/2019 Dt. 21.11.2019.
23	Public hearing	31.08.2021
24	EIA Report submitted	01.04.2022

Earlier, this proposal was placed in the 291st SEAC meeting held on 1.7.2022. Based on the presentation made by the proponent, SEAC decided to call for the following details.

1. Certified compliance report obtained from RO- MOEF&CC/TNPCB on the existing EC issued.
2. The PP shall furnish the revised EMP for the entire life of mine.
3. The PP shall furnish the revised CER as committed.


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Now, the project proponent has furnished the details as sought by the Committee vide letter dt: 18.08.2022. Hence, the proposal was placed for reappraisal in this 317th meeting of SEAC held on 06.10.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, 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 furnish the Amalgamation letter obtained from the concerned AD (Geology & Mines) before obtaining CTO from TNPCB.
3. The PP shall furnish the Affidavit to carry out the quarrying operations complying the conditions as stipulated in the Certified Compliance Certificate without deviations during the life of the quarry.
4. 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.
5. 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.
6. However, the PP shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry (or) the benches made in all the quarries of this cluster site collectively if amalgamation is done and when the depth of the working touches 30 m (or) during the 3rd year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-Dept of Mining Engineering, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study

report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

7. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on 'Cumulative Impacts of the blasting operations carried out in the cluster mines on the surrounding villages and the prominent structures such as blast-induced ground/air vibrations and fly rock', by involving a reputed Research and Academic Institution such as NIRM, IIT(ISM), IIT-Madras, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
8. The PP shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as rock breakers, etc.
9. 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.
10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
12. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
13. The PP shall also install necessary dust and noise extraction system around mineral handling area with proper enclosures before obtaining the CTO from TNPCB.


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

Agenda No: 317-02

(File No: 8769/2021)

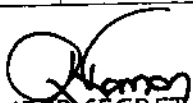
Proposed Gravel quarry Lease over an extent of 2.58.0 Ha at S.F.No. 160/1A & 161/1 in Silvarpatti Village, Dindigul West Taluk, Dindigul District, Tamil Nadu by Thiru. R. Elayaraja – For Environmental Clearance (SIA/TN/MIN/226959/2021 dated 31.08.2021)

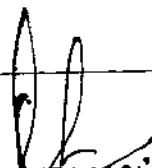
The proposal was placed in 317th meeting of SEAC held on 06.10.2022. The details of the project are available in the website (parivesh.nic.in).

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. R.Elayaraja, S/o. Thiru. Rajendran, 173 Kallar Street, Seruvaviduthi, Pattukkottai Taluk, Thanjavur District-614628


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2.	Type of quarrying (savudu / Rough stone / Gravel/ Sand / Granite)	Gravel Quarry
3.	S.F No. of the quarry site with area break-up	160/1A & 161/1
4.	Village in which situated	Silvarpatti Village
5.	Taluk in which situated	Dindigul West
6.	District in which situated	Dindigul
7.	Extent of Quarry (in ha.)	2.58.0 Ha (Patta Land)
8.	Period of Quarrying proposed	1 year
9.	Type of Mining	Opencast semi mechanized mining
10.	Production (Quantity in m ³)	20,068 m ³ of Gravel
11.	Depth of Mining	2.0 m
12.	Latitude & Longitude of all corners of the quarry site	10°27'58.40"N to 10°28'7.14"N 77°54'56.99"E to 77°55'12.06"E
13.	Topo sheet No.	58 - F/15
14.	Man power requirement per day:	11 Employees
15.	Precise Area Communication approved by Assistant Director, Department G&M, with date	Na.Ka.En.247/2021 (Kanimam), dated: 27.07.2021
16.	Mining plan approved by the Assistant Director, Department of G&M with date	Rc.No.247/2021(Mines), dated: 24.08.2021
17.	500m letter approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.247/2021(Mines), dated: 24.08.2021
18.	Water requirement: 1. Drinking water 2. Dust Suppression & Green Belt	2.0 KLD 1.5 KLD 2.0 KLD
19.	Source of water	Water cans and tankers
20.	Power requirement	20-25 litres of HSD/day
21.	Depth of Water table	20m
22.	Project cost (excluding EMP cost)	Rs.19.82 Lakhs
23.	EMP cost	2.25 Lakhs
24.	CER cost	2 Lakhs
25.	VAO letter dated	16.08.2021


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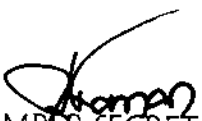
3. As per the mining plan, the lease period is for 1 year, the total quantity of recoverable should not exceed 20,068m³ of gravel with an ultimate depth of mining 2 m Below Ground Level.
4. The project proponent has submitted a soil test report obtained from Department of Civil Engineering, National Institute of Technology, Tiruchirapalli vide letter dated 26.08.2022.

Based on the presentation and document furnished by the project proponent, after detailed deliberations, **SEAC decided to recommend the proposal for the grant of Environmental Clearance for 20,068 Cu.m of gravel with an ultimate depth of mining is 2m Below Ground Level**, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment Forest and Climate Change, which entail adverse environmental impacts, even if it is a part


of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.


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13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
14. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
15. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
16. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
17. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
18. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
19. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
20. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.


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21. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
22. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
23. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
24. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
25. The 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. 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.


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29. As accepted by the Project Proponent the CER cost is **Rs. 2 lakhs** and the amount shall be spent towards the concerned School in Silvarpatti Village for the committed activities before obtaining CTO from TNPCB.

Agenda No: 317-03

(File No: 8974/ 2022)

Proposed Red Soil quarry lease over an extent of 2.49.5 Ha at S.F.NO. 271/1 of Ervadi Village, Kilakkarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru. P.T.Raja - For Environmental Clearance. (SIA/TN/MIN/ 253759/2022 Dt. 28.01.2022)

Earlier, this proposal was placed in 252nd SEAC meeting held on 10.03.2022.

The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The 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.

Therefore, 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 project proponent had submitted the details to SEIAA on 13.05.2022 and also submitted in PARIVESH portal. The proposal was placed in this 297th SEAC meeting held on 21.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details.

1. The mining plan and mining lease is proposed for a period of 11 months. Hence the Committee felt that mining lease and plan shall be revised for a period of 1 year based on prevailing rules.
2. During presentation the patta copy not relevant to the aforesaid mining lease is enclosed. The project proponent shall furnish the relevant ownership and patta copy pertaining to the said lease.
3. A letter from DFO shall be obtained and furnished for the location of the Wild life Sanctuary/ National park/ Reserve forest/ESAs surrounding the project site upto 25 km radius from the mine lease area.
4. The project proponent shall revise the EMP as per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020.
5. Salient features of the Project :

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.P.T.Raja S/o.Thanukodi No.5/600, Mariamman Kovil Street Valuthur , Valantharavai (Post) Ramanathapuram Taluk & District
2	Type of quarrying	: Red Soil


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3	S.F No. Of the quarry site with area break-up	:	271/1
4	Village in which situated	:	Ervadi
5	Taluk in which situated	:	Kilakkarai
6	District in which situated	:	Ramanathapuram
7	Extent of quarry (in ha.)	:	2.49.5 Ha
8	Latitude & Longitude of all corners of the quarry site	:	09°12'26.6041"N to 09°12'33.6490"N 78°41'48.4530"E to 78°41'53.0577"E
9	Topo Sheet No.	:	58-K/12
10	Type of mining	:	Opencast Semi-Mechanized Mining
11	Period of quarrying proposed	:	1 year
12	Production (Quantity in m3)	:	40.582 m3 of Red Soil
13	Depth of quarrying	:	2.0m
14	Depth of water table	:	15m BGL
20	Precise area communication approved by the Assistant Director (Addl.Charge), Department of G&M	:	Roc.No.G&M.2/35/2021, dated:26.07.2022
21	Mining Plan approved by Assistant Director, (i/c), Department of Geology and Mining with date	:	Roc. No. 35/G&M.2/2022, dated:10.08.2022
22	Assistant Director (i/c), mines 500m cluster letter	:	Roc. No. 35/G&M.2/2021, dated:21.01.2022.
24	Project Cost (excluding EMP cost)	:	17 Lakhs
25	EMP cost	:	2.25 Lakhs
26	CER cost	:	1.50 Lakhs

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


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13


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The project Proponent submitted details to SEIAA on 23.09.2022.

The proposal was again placed in the 317th SEAC meeting held on 06.10.2022. 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 40,582 cu.m of red soil for an ultimate depth of 2 m, 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 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. Mine manager and other statutory competent persons includes 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 proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).
6. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
7. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining

technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

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.
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. 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.


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13. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarries assured in the Environmental Management Plan & the approved Mine Closure Plan.
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.
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 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

21. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring 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 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) by the proponent without fail.
24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the 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. 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 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.

29. 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.

30. 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.

31. 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.

32. As accepted by the Project Proponent the CER cost is **Rs. 2 lakhs** and the amount shall be spent towards Government High school, Ervadi Village for the committed activities before obtaining CTO from TNPCB.

Agenda No: 317-04

(File No: 8619/2021)

Proposed Black Granite quarry lease area over an extent of 1.52.0 Ha at S.F.No.383/1(P) Bit-3 Polayamballi Village, Harur Taluk, Dharmapuri District, Tamil Nadu by M/S.PVI Trading Corporation - For Environmental Clearance. (SIA/TN/MIN/217551/2021 Dt.30.6.2021)

The proposal was placed for appraisal in this 317th meeting of SEAC held on 06.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Details of the Proposal		
1.	Name of the Owner / Firm	M/s. PVI Trading Corporation, No.62A, 1 st Pulikuthi street, Gugai, Salem District-636006


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Black Granite quarry
3.	S.F No. of the quarry site with area break-up	S. F. Nos. 383/1(P) BIT-3
4.	Village in which situated	Polayamballi
5.	Taluk in which situated	Harur
6.	District in which situated	Dharmapuri
7.	Extent of Quarry (in ha.)	1.52.0Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 20 years. The total production for 5 years not to exceed 22000m ³ of ROM which includes production of Black granite 1540m ³ . The Annual peak production as per mining plan is 7500m ³ of ROM (5 th year) which includes production of Black granite 525m ³ (5 th year) with proposed depth of 20m AGL.
11.	Latitude & Longitude of all corners of the quarry site	12°07'46.23"N to 12°07'52.17"N 78°21'12.21"E to 78°21'19.44"E
12.	Topo sheet No.	57 - L/08
13.	Man power requirement per day:	05 Employees
14.	Precise Area Communication approved by the District Collector Karur District with date	Rc.No. 269/MME.2/2021-1, Dated: 12.02.2021
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No. 6173/MME.4/2020, Dated: 11.05.2021
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. 180/2020/mines, Dated: 17.06.2021
17.	Water requirement: 5. Drinking & domestic purposed (in KLD) 6. Dust Suppression & Green Belt (in KLD)	4.28 KLD 0.280KLD & Utilized Water 1.0KLD 1.5 KLD & 1.5 KLD


18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 117488 Liters of HSD
19.	Depth of Mining	20m AGL
20.	Depth of Water table	65m in summer & 60m in Rainy season
21.	Project cost (including EMP cost)	184.45 Lakhs
22.	EMP cost	Capital cost- Rs. 10,06,440/- Recurring cost- Rs. 16,26,500/-
23.	CER cost	5.0 lakhs
24.	VAO letter dated	17.06.2021

Earlier, the proposal was placed for appraisal in this 263rd meeting of SEAC held on 9.4.2022. Based on the presentation and document furnished by the project proponent, SEAC deferred the proposal and directed the project proponent shall furnish a letter from DFO stating that the details of Nearest RF & its distance located with respect to the project site.

The project proponent has furnished the copy of the DFO letter dated 13.05.2022, wherein it is stated that the proposed quarry site is located at an aerial distance of 1.358km from the Keragondahalli Reserve Forest. Hence the proposal was placed for appraisal in this 297th meeting of SEAC held on 21.07.2022. Based on the presentation and the Approved Mining Plan furnished by the project proponent, SEAC had observed the following:

1. In the Geological Section IV-A, it is evident that there is an elevated portion in the western side and low-lying area is in the eastern side.
2. It appears that the geological reserves are ascertained only in the low-lying area (i.e., section A-B & C-D) and the highly elevated zone in the western side has not been considered for computing the geological reserves.
3. Based on the geological plan & sections, the year-wise development plan (Plate V-A) has been prepared considering the same de-facts. Besides, the granite waste dump has been proposed on the mineralised zone on the eastern side of the area which is in contradiction of the Granite Conservation & Development Rules (GCDR), 1999 & Mineral Conservation and Development Rules (MCDR), 2017.

Rule 14 (4) of Mineral Conservation and Development Rules, 2017 states


MEMBER SECRETARY
SEAC -TN

20


CHAIRMAN
SEAC - TN

that the ground selected for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals shall be proved for absence or presence of underlying mineral deposits before it is brought into use for dumping.

4. Further, it has been described that the Black Granite dyke is aligned from NW-SE. It is also inferred that the rich Black Granite deposits are positioned on the western end of the lease applied area which has not been computed either in the geological reserves / mineable reserves (or) year-wise development plans.

Therefore, the NABET Coordinator shall examine the Mining Plan precisely and if required, the Plan shall be modified accordingly, after incorporating the corrections as per GCDR,1999, resubmit the Mining Plan approved by the competent authority considering the entire geological, mineable reserves and the proposed production schedule for the first 5-year plan period.

Now, the PP has furnished the details as sought by the Committee vide letter dt:22.08.2022. Hence, the proposal was placed for appraisal in this 317th meeting of SEAC held on 06.10.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for not exceeding the Annual peak production capacity of 7500m³ of ROM which includes production of Black granite 525m³, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:**

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. 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 the EMP as committed.
3. The proponent shall mandatorily appoint the Geologist and the statutory Mine Manager/Foreman/Mine Mate in relevant to the proposed quarry size as per the


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN

provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.

4. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
5. 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.
6. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
7. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
8. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of Granite, waste, over burden, side 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, dump management, 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.
9. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. 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. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.

10. 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.
11. 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.
12. 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.
13. 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.
14. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper espacement 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.
15. Noise and Vibration Related: (i) The Proponent shall carry out only the Controlled Blasting operation using the detonating cord/fuse of low grammage PETN (or) Gun powder (or) safety fuse for the extraction of the granite blocks in the quarry.


MEMBER SECRETARY
SEAC -TN

23


CHAIRMAN -
SEAC-TN

However, the proponent shall use NONEL based shock tube initiation system only while carrying out the controlled blasting operations for the excavation of overburden and side burden even though no habitations (or) forest exists around the proposed site. The proponent shall not carry out any blasting operation involving the initiation system such as detonating cord safety fuse, ordinary detonators, cord relays, in the blasting operation carried out for the excavation of overburden and side burden. 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 granite boulders shall be carried out in any occasions and only other suitable non-explosive techniques involving chemical agents 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.

16. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry as assured in the Environmental Management Plan & the approved Mine Closure Plan.
17. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
18. 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.

19. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
20. 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.
21. 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.
22. 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
23. 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.
24. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, 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.
25. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

26. 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.
27. 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.
28. 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.
29. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
30. 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.
31. 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.
32. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Secondary School, Polayamballi as committed before obtaining CTO from TNPCB.

Agenda No: 317-05

File No: 9198/2022)

Proposed Rough stone & Gravel quarry lease over an extent of 4.26.5 Ha in S.F.No 14/2B(P), 17/2, 3 & 4, Melakalangal Village, Veerakeralampudur Taluk, Thenkasi District, Tamil Nadu by Thiru. M. Senthur Pandian - For Environmental Clearance. (SIA/TN/MIN/269398/2022 Dt.25.04.2022)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Earlier, this proposal was placed for appraisal in this 293rd meeting of SEAC held on 8.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. M. Senthur Pandian has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 4.26.5 Ha in S.F.No 14/2B(P), 17/2, 3 & 4, Melakalanga Village, Veerakeralampudur Taluk, Thenkasi 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 for 5 years. The mining plan is for the period of Five years. The total production for 5 years not to exceed 899529m³ of Rough stone & 189348 m³ Gravel. The annual peak production as per mining plan is 184140m³ of Rough stone (4th year) & 68400 m³ Gravel (1st year) with ultimate depth of 60m.

Based on the presentation made by the proponent, the SEAC called for the following details from the PP.


1. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
2. The ROA of well water located in the vicinity of the project site
3. The PP shall furnish a letter obtained from AD/DD Mine & Geology with respect to exact depth of existing Pit, period of the operation and stoppage of the earlier mines & quantity of minerals mined out.

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

The project Proponent submitted details to SEIAA on 23.09.2022.

The proposal was again placed in the 317th SEAC meeting held on 06.10.2022. The project proponent is absent for the SEAC meeting. Hence, the project proponent is directed to furnish the reason for not attending the meeting. After receipt of the reply from the project proponent, the proposal may be placed in the SEAC meeting.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 317-06

(File No: 5700/2016)

Proposed Expansion of paints and water-based polymers manufacturing in their existing facility by M/s. Asian Paints Limited at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu – Integrated Paint Industries –Environmental Clearance- Regarding (SIA/TN/IND2/21322/2016 Dt.12.12.2017)

The proposal was placed for appraisal in this 317th meeting of SEAC held on 06.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Asian Paints Limited, has applied for Environmental Clearance for the proposed expansion of paints and water-based polymers manufacturing in their existing facility at Plot No. E6, E7, F6 pt, F7 pt, F11, F12 & F13, SIPCOT Industrial Park, Pondur, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under category “B” of Item 5(h) “Paints and Polymers Manufacturing” of the Schedule to the EIA Notification, 2006.
3. Terms of Reference (ToR) was issued vide Lr.No. SEIAA-TN/F.No. 5700/SEAC-LXXXV/5(h)/ToR – 281/2017 dated: 07.07.2017.
4. Public hearing was exempted as per section 7(i), (iii) stage (3), Para (i)(b) of EIA Notification, 2006, and request to submit the EIA/EMP report to the SEIAA for grant of Environment Clearance.
5. EIA report was submitted on 18.12.2017.

During the presentation the PP requested time to produce certain additional details. Hence the SEAC decided to take this proposal in one of the ensuing meetings.

Agenda No: 317-07

(File No: 7412/2021)

Proposed 1x 10 MW Coal Based Co-Gen Thermal Power Plant in S.F No.491, Plot No. B-25 SIPCOT Industrial Growth Center, Orgadam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. Apollo Tyres Ltd- For Terms of Reference. (SIA/TN/THE/50697/2020 Dt.3.2.2020).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The proposal was placed in 255th SEAC Meeting held on 18.3.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Apollo Tyres Ltd, has applied for Terms of Reference for the Proposed Coal based Co-gen thermal power plant (1 x10 MW) in S.F.No. 491 at Oragadam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(d) "Coal based Co gen Thermal Power Plant" of the Schedule to the EIA Notification, 2006.
3. Earlier, M/s. Apollo Tyres Limited has applied to MoEF & CC on 22.09.2011 for obtaining the Terms of Reference (ToR) for the project of 2x7.5 MW coal based Co-Generation of Captive Thermal Power plant at S.F.No.491pt of Oragadam Village, Sriperumbudur Taluk, Kancheepuram District and ToR had been issued to the said project on 25.01.2012.
4. Subsequently, the above said application was transferred from MoEF to SEIAA-TN on 27.05.2013 as the proposal is a category "B" project. Based on the Terms of Reference the EIA report was submitted by the proponent to SEIAA on 06.06.2013 and while scrutinizing the EIA report, it was noticed that the construction activity was started by the proponent and the Chimney, coal yard with conveyor system & Power house had been established. Hence, the project was delisted as Violation case and directed the proponent to furnish the letter of Commitment and expression of Apology. The proponent furnished the apology letter on 19.05.2014 and the same was forwarded vide this office letter dated: 27.05.2014, to the Principal Secretary to Government, E & F Department, Chennai for initiating credible action against the unit.
5. Meanwhile, as per MoEF & CC Notification dated: 14.03.2017 with respect to cases of violations, the proponent was instructed to apply to MoEF & CC for EC. Subsequently, the proponent was instructed to apply to SEIAA-TN vide letter dated: 28.03.2018 as per the MoEF & CC Notification dated: 08.03.2018.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

6. However, the project proponent informed to SEIAA vide his letter dated: 03.05.2018 has stated that they are not having any pending Environmental Clearance project applications in SEIAA-TN or MoEF& CC, New Delhi. (As per the record of the SEIAA, the project was delisted as Violation case) (F.No: 1362)
7. In view of the above, it is clear that the proponent has violated the EIA notification, 2006 and the proponent has not applied within the stipulated time to SEIAA-TN under violation as per the above said notifications dated: 14.03.2017 & 08.03.2018.
8. As per Para 13 (3) of the MoEF & CC notification dated 14.03.2017, in cases of violation, action will be taken against the project proponent by the respective State or State Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy certificate will be issued till the project is granted the environmental clearance under violation. But the proponent has submitted the request letter to SEIAA-TN to withdrawal the above said application (Application 1362/2013 dated 12.06.2013) for obtaining the Environmental clearance even the project under violation vide letter dated 24.06.2019 and sated that Consent to establishment for 1*4.6 MW Power plant (Non-EC category <5 MW, EIA notification 2006) from TNPCB on 25.02.2016 and Consent to Operate for 1*4.6 MW Power plant from TNPCB on 26.12.2017. The above said request of the unit for withdrawal of application delisted under violation was placed in the SEIAA 361st SEIAA meeting on 21.11.2019 and SEIAA decided to record the proposal.
9. Now the unit of M/s. Apollo Tyres Ltd, has applied for Terms of Reference for the Proposed Coal based Co-gen thermal power plant (1x10MW) in the same project site.
10. Subsequent to the minutes of the 186th meeting held on 21.11.2020, again the proponent vide letter received dated 24.02.2021 has requested for reconsideration of the ToR application filed by the proponent for 1x10MW Coal based Co-gen Thermal Power Plant and stated as follows:
11. We have submitted a withdrawal letter dated 25.04.2019 vide sub: withdrawal


of EC application (1362/2013) for the proposed 2x7.5 MW coal based Co-Gen Thermal Power plant at S F No 491 Oragadam village, Sriperumbudur Taluk, Kancheepuram District, Tamilnadu.

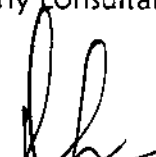
12. Subsequently SEIAA has issued Lr.No.SEIAA-TN/F.No.1362/1(d) dated 10.12.2019 and recorded our request for withdrawal and accepted our EC application bearing application No 1362/2013 filed on 12.06.2013 for the proposed 2x7.5 MW coal based Co-Gen Thermal Power plant at S F No 491 Oragadam village, Sriperumbudur Taluk, Kancheepuram District, Tamilnadu, since the project proponent has dropped the said proposal and executed lesser.
13. Capacity 1x4.6 MW which does not attract (under Schedule 1(d) category B) under EIA Notification 2006.
14. Hence Authority decided to request the MS/SEIAA to forward the proponent request to SEAC for appraising of the present proposal for Terms of Reference and to furnish the recommendation.

Under the above circumstance the proposal was again placed in 255th SEAC Meeting held on 18.3.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to seek the following details from the project proponent.

1. Details of surplus steam generated from the tyre factory process, and how much of it has been utilized in the 1x4.6 MW plant and whether any surplus steam would still be available for the proposed 1x10 MW plant.
2. Details of steam proposed to be utilised in 1x 10 MW and it's source.
3. As the proposal is to be located in fast growing urban habitat, the proponent should explore the usage alternate fuel viz, R LNG, Bio mass, municipal waste etc., for 1x10MW instead of coal.
4. Details of habitations already in existence and DTCP approved layouts – existing and proposed, its populations and the impact of the proposed activity on them.
5. The proponent shall justify whether the setting up of coal based thermal power plant in the midst of various automobile, electronic industries and other green category industries in the vicinity and whether any consultation has taken place with these industries.

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Now the proposal was placed in this 317th SEAC Meeting held on 06.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

Based on the proposal submitted and the presentation made, the **SEAC decided to recommend for the grant of sector specific standard Terms of Reference (ToR) with Public hearing**, in addition to the following ToRs :

1. As the proposal is to be located in fast growing urban habitat, the proponent should explore the usage alternate fuel viz, R LNG, Bio mass, brick earth, municipal waste etc.,
2. The proponent shall study and justify whether the setting up of coal based thermal power plant in the midst of various automobile, electronic industries and other green category industries in the vicinity and shall consult with those industries.
3. The PP shall use biomass like bagasse, agro-based industrial residue, crop residues, wood produced through energy plantations, weeds, wood waste produced in industrial operations, Municipal Solid Waste, etc. for a minimum of 30 % of total fuel requirement.
4. The PP shall also furnish a five year action plan to reduce use of coal to 0 % and also submit an affidavit affirming his commitment to adhere to the action plan.
5. The PP shall not withdraw ground water as committed.
6. Details of the type of the industries located in the SIPCOT and monitored pollution levels shall be furnished.
7. The proponent shall form an Environmental Cell and furnish the detail along with EIA.
8. The proponent shall furnish the layout plan for the greenbelt area earmarked with GPS coordinates with maximum area on the periphery of the unit and the green belt area should not be less than 33% of the total land area of the project.
9. Details of the procedures adopted for the regular health check-ups for the staff shall be furnished.
10. A letter from DFO concerned shall be obtained from the proposed project site to the nearest ESA like National park/sanctuary etc.

Agenda No: 317-08

(File No: 8168/2020)

Proposed Rough stone and Gravel quarry project over an extent of 2.85.0Ha in S.F.Nos. 112/10A, 112/10B, 112/10C, 112/10D, 112/10E, 112/11, 112/8A and 112/9 at Ulagani Village ,Kallikudi Taluk, Madurai District, Tamil Nadu by Tmt. J. Selvi- For Environmental Clearance.(SIA/TN/MIN/72231/2020 dated: 12.02.2022)

The SEAC noted the following:

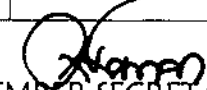
1. The project proponent, Tmt. J. Selvi has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 2.85.0ha at S.F.Nos. 112/10A, 112/10B, 112/10C, 112/10D, 112/10E, 112/11, 112/8A and 112/9 of Ulagani Village ,Kallikudi Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued vide - Lr No -SEIAA-TN/F.No.8168/SEAC/ToR-856/2020, Dated: 25.02.2021.
4. Public hearing was conducted on Dated 05.10.2021.

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 a revised mining plan providing a minimum 10m width road for accessing the poramboke land/mine located right in the middle of the proposed site.
- (ii) The project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the distance between the nearest Sivarakottai Birds Sanctuary R.F and the proposed quarry site.
- (iii) The project proponent shall revise EMP including the cost of clearing the mining dumps blocking the Kundar River which is close to the proposed site.

Now the proposal was placed in this 317th SEAC Meeting held on 06.10.2022. 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. J. Selvi,


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SEAC -TN

33


CHAIRMAN
SEAC -TN

		No.1/15, 20, Ramachandra Nagar, Aviyur Road, Katiyapatti Taluk, Virudhunagar District - 626 106.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone and Gravel quarry
3	S.F No. Of the quarry site with area break-up	112/10A, 112/10B, 112/10C, 112/10D, 112/10E, 112/11, 112/8A & 112/9
4	Village in which situated	Ulagani Village
5	Taluk in which situated	Madurai North Taluk
6	District in which situated	Madurai District
7	Extent of quarry (in ha.)	2.85.0 Ha
8	Period of quarrying proposed	5 years
9	Type of mining	Open-cast Semi mechanised mining
10	Production (Quantity in m ³)	The production for 5 years not to exceed 3,89,860m ³ of Rough Stone and 34,998m ³ of gravel with an ultimate depth of Mining restricted upto 32m(2m+30m)below ground level(as per approved ToR). The annual peak production as per mining plan is 86,415 m ³ of rough stone (4 th year) and 34,308 m ³ of gravel (1 st year).
11	Latitude & Longitude of all corners of the quarry site	09°46'19"N to 09°46'25"N 78°02'13"E to 78°02'21"E
12	Topo Sheet No.	58-K/01
13	Man Power requirement per day:	23 Employees
14	Precise area communication approved by the District Collector with date	Na.Ka.No.1705/2017 - Kanimam, dt:04.09.2020
15	Mining Plan approved by the Assistant Director(i/c) of Geology and Mining with date	Roc. No. 1705/2017 - Mines, dated:28.09.2020
16	AD mines 500m cluster letter	Roc. No. 1705/2017 - Mines, dated:09.09.2020
17	Water requirement: 3. Drinking & domestic purposes (in KLD) 4. Dust suppression & Green Belt (in KLD)	3.0 KLD 0.5 KLD Water Vendors 2.5 KLD Water Vendors

18	Power requirement: a. Domestic Purpose b. Industrial Purpose	TNEB 2,18,600 Litres of HSD
19	Depth of quarrying	32m (2m+30m) BGL
20	Depth of water table	52m-55m
21	Whether any habitation within 300m distance	No
22	Project Cost (excluding EMP cost)	66.40 Lakhs
23	EMP cost	4.45 Lakhs
24	CER cost	1.41 Lakhs
25	VAO certificate regarding 300m radius cluster	Letter dated: 22.09.2020
26	ToR issued	Lr No -SEIAA-TN/F.No.8168/SEAC/ToR-856/2020, Dated: 25.02.2021.
27	Public hearing conducted	05.10.2021.

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 3,89,860m³ of Rough Stone and 34,998m³ of gravel with an ultimate depth of mining restricted upto 32m below ground level (as per approved ToR) and not exceeding the annual peak production of 86,415 m³ of rough stone and 34,308 m³ of gravel, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:**

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

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 in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
7. 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.
8. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall during the 3rd year, 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.
9. 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.
10. Since the habitations are situated at a distance range of 560 to 800 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 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.

11. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
16. As accepted by the Project Proponent the CER cost is Rs.1,41,700 lakhs and the amount shall be spent on the committed activities for Nedungulam Government Middle School before obtaining CTO from TNPCB.

Agenda No. 317-09.

File No.7456/2020

Proposed development of "North Mall" at S.F.No New survey number T.S.No. 15(old survey No.R.S. Nos. 169/1B 1pt, 170/2A pt, 170/2B pt & 173/ 2pt) , Thiruvottiyur Village, Thiruvottiyur Taluk, Chennai District by M/s. Alwarpet properties private Limited – For Environmental Clearance. (SIA/TN/MIS/143805/2020).

The proposal was placed in the 149th SEAC Meeting held on 14.03.2020, 168th SEAC meeting held on 29.5.2022, 268th SEAC Meeting held on 29.4.2022. The details of the minutes are available in the website (parivesh.nic. in).

The SEAC noted the following:


MEMBER SECRETARY
SEAC -TN

37


CHAIRMAN
SEAC- TN

1. The Proponent, M/s. Alwarpet properties private Limited has applied for Environmental Clearance for the proposed development of "North Mall" at S.F.No New survey number T.S.No. 15(old survey No.R.S. Nos. 169/1B 1pt, 170/2A pt, 170/2B pt & 173/2pt) in, Thiruvottiyur Village, Thiruvottiyur Taluk, Chennai District.
2. The project/activity is covered under category "B" of Item 8 (a) "Building and Construction" of the schedule to the EIA Notification,2006.
3. The Project consists B+G+4 Floors with 9 level MLCP. Total built up area- 106264.06 Sq.m with total plot area – 26,454.63 Sq.m
4. The site falls in CRZ - I zone. Hence, the project proponent has obtained CRZ Clearance from TNSCZMA has been obtained vide TNCZMA Proc.No.P1/212/2019 dated: 08.03.2019 subject to certain conditions.
5. Earlier this proposal was placed in 149th SEAC Meeting held on 14.03.2020. Based on the presentation made by the proponent and the documents furnished, the committee instructed the project proponent to furnish **certain details stated therein.**

The proponent has furnished reply dated 27.05.2020 and the proposal was placed in the 157th SEAC Meeting held on 20.06.2020. Based on the presentation made by the proponent and the documents furnished, the committee decided that the details presented by the project proponent reveals that only for 2 out of 8 details requested have been provided fully and for one requirement partly. Hence, the proponent was directed to provide the **certain details stated therein.**

Based on the reply furnished by the proponent, this proposal was placed in 168th SEAC meeting held on 29.5.2022. The PP made a presentation along with response for above said short comings raised by 157th SEAC meeting. Based on the presentation made and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** subject to the following specific conditions. in addition to normal conditions stipulated by MOEF &CC:

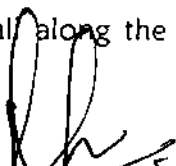
1. The PP shall comply with the conditions as stipulated in TNCZMA Proc.No.P1/212/2019 dated: 08.03.2019.
2. The proponent shall obtain fresh water supply commitment letter and disposal of


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SEAC -TN


CHAIRMAN
SEAC -TN

- generated sewage from the CMWSSB before obtaining CTO.
3. The project proponent shall provide STP of capacity 180 KLD (MBR) and treated water shall be utilized for flushing and green belt proposed.
 4. The excess treated sewage shall be let-out through CMWSSB sewer line.
 5. **The building shall conform to LEED Platinum rating and shall obtain certificate in this regard before obtaining CTO from TNPCB.**
 6. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non-Biodegradable waste to authorized recyclers as committed.
 7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
 8. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB before obtaining CTO.
 9. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
 10. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
 11. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
 12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. 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.
 13. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with 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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

- boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
14. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
 15. The Existing trees available in the project site shall be retained/re planted in the periphery of the project site and no trees shall be cut down from the project site.
 16. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
 17. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
 18. No waste of any type to be disposed off in any other way other than the approved one.
 19. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
 20. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
 21. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
 22. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
 23. Solar energy should be at least 50% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
 24. The PP shall construct a pond of appropriate size in the earmarked OSR and in consultation with the local body. The pond should be modelled like a temple tank

with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.

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. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

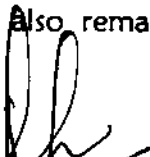
27. As accepted by the Project Proponent the CER cost is Rs. 200 lakh and the amount shall be spent in consultation with Greater Chennai Corporation for providing dialysis units to two Urban Health Centers, before obtaining CTO from TNPCB.

The proposal was placed in the 513th SEIAA meeting held on 30.05.2022. The Authority noted the following, on perusal of the application and the copy of Power Point presentation received from SEAC it was noted that, the data such as number of floors, plot area split up sewage quantity, solid waste details, number of car parking and the car parking levels do not match. Hence, the SEAC may furnish the approved correct tabulated data for further course of action by SEIAA.

The proposal was placed for appraisal in the 294th meeting of SEAC held on 14.07.2022 and the committee noted that the PP has not turned up for the meeting. In this connection, the project proponent has furnished reply vide Lr. dt: 13.09.2022 received on 19.09.2022. Now, the proposal was again placed for appraisal in this 317th meeting of SEAC held on 06.10.2022.

SEAC carefully examined the presentation made and documents furnished by the project proponent and found that the PP has submitted the details required by SEIAA. SEAC, therefore, decided to re - confirm the recommendation already made in 268th SEAC Meeting held on 29.4.2022. All conditions recommended will also remain unchanged.


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SEAC -TN


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Agenda No: 317-10


(File No: 7895/2021)

Proposed Rough Stone and gravel quarry lease area over an extent of 4.70.5Ha at S.F.No 741/1, 743, 744, 745,746/2, 747,748/2 &749 of O.Mettupatti Village, Sattur Taluk, Virudhunagar District by Thiru.N.Thiruppathi - For Environmental Clearance. (SIA/TN/MIN/ 175989/2020, dated: 30.09.2020)

The proposal was placed for appraisal in 289th meeting of SEAC held on 24.6.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.N.Thiruppathi has applied for Environmental Clearance for the Rough Stone and gravel quarry lease area over an extent of 4.70.5 Ha at S.F.No 741/1, 743, 744, 745,746/2, 747,748/2 & 749 O.Mettupatti Village, Sattur Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification,2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 312645m³ of Rough stone and 69024 m³ of gravel. The annual peak production as per mining plan is 63090 m³ of rough stone (5th year) and 22524 m³ of gravel (1st year) with proposed depth of 31m(BGL).
4. The Project proponent obtained earlier EC from SEIAA vide Lr.No.SEIAATN/F.No.2373IEC/1(a)/1271/2014 dated: 16.05.2014. The approved production quantity is 52390m³ of rough stone, 24195m³ of topsoil & 56455m³ of gravel for depth of mining as 10m. The lease was executed from 13.06.2014 to 12.06.2019.
5. The Deputy Director, Geology & Mining, Virudhunagar vide Rc.No.KVI/811/2019 dated: 20.07.2020 states that "the transport issued for quantity of 51559 m³ of Rough stone & 15155m³ of gravel, mined out depth of mining 27m".
6. The District Collector Proceeding Letter vide Na.Ka.No. KVI/811/2019-


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SEAC -TN


CHAIRMAN
SEAC- TN


Kanimam, dated: 23.09.2019 states that "the DD mines inspected the site and, in the report, sl.no.8, it is informed that the proponent has already mined out 27m and production is 388800 m³ of Rough stone & 24600 m³ of Gravel".

7. Earlier, this proposal was placed before 211th SEAC meeting held on 24.4.2021. Based on the documents furnished and presentation made by the Proponent, the committee noted it is clear from the District Collector's letter that the proponent has carried out excess mining for a depth of 27m and thus it is a clear case of violation. Now the project proponent has applied for a depth of 31 m for five years for the production of 312645m³ of Rough stone & 69024m³ of Gravel. Hence the Committee decided that the proponent may first appeal to AD (Mines and Geology) for the re-assessment and quantification of excess mining and levy the fine accordingly as per the rules and afterwards the proponent may apply for the same under violation category.
8. Again this proposal been placed in 260th SEAC meeting held on 1.4.2022, the PP has furnished the details sought by the Committee. The Project proponent made a presentation along with clarification for the above shortcomings observed by the SEAC. Based on the presentation and details furnished by the project proponent, SEAC decided to **make on site inspection by the sub-committee** to be constituted by the SEAC to assess the present status of the proposed project and environmental settings.

A subcommittee comprising Thiru. K. Kumar and Dr. P. Balamadeswaran, was constituted by SEAC to inspect and study the field condition in the proposal seeking Environmental Clearance for the proposed rough stone, and gravel quarry on **14.06.2022 (Tuesday)** vide Lr.No. SEAC-TN/Site Inspection/2022 dated 25.02.2022

Observations & Recommendations of the Sub Committee

1. In the mining plan submitted during the year 2014, the existing pit size of 160m long x 50 width for the depth of 13.0m in survey nos. 747, 748/2, 750/1 & 750/2 is mentioned in the plan.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

2. In the Annexure of the Mining Plan approved by the AD (Geology & Mining), it has been reported by the Revenue Tahsildar, Sattur vide letter No.M.M.A1/8017/2013 dated 28.11.2013 that the present pit size of 120m long x 100m wide with depth of 20m in survey nos. 744, 747, 748/2 & 750/1 is
3. Further, it has been observed from the Joint inspection report of the Deputy Director Geology & Mining, Dy.Tahsildhar (Mines) and Revenue Inspector(Mines) of Department of Geology and Mining, Virudhunagar dated 27.12.2013 that the present area was quarried for rough stone for the average depth of 13.0m in survey nos.744,745, 762, 747, 749, 748/2 & 750/1&2.
4. It was informed by the Qualified Person (QP) who had prepared the Mining Plan that the quarried period in Survey No: 749 is ended well before the stipulated validity period of lease, i.e., 28.12.2014 and then only the PP had applied for a fresh EC immediately for which the EC has been granted vide letter SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014 dated 16.05.2014.
5. However, it was stated by the QP in the Mining Plan submitted in 2014 while obtaining the EC (No: SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014, dated 16.05.2014) that the quarry has been already operated for a depth of 20 m by the previous lessees.
6. Further, it was clearly indicated by the RQP in the aforesaid Mining Plan submitted in 2014 that the quarry face will be moved East side by removing 5 m of topsoil & Gravel and 5 m of Rough stone such that a depth of 10 m is mined out for quantity of 52390 m³ of Rough stone and 80650 m³ of Gravel. However, the RQP had not indicated the place where the aforesaid depth of quarrying & volume of material are to be mined out within the leasehold area of the existing quarry.
7. From the Mine Lease Plan and the AD (Geology & Mining) letter no: KV1/811/2019, dated.20.07.2020, it is clearly observed that the quarry was operated in the top benches by removing the Gravel for a volume of 15155 m³ and Rough stone of 51569 m³ against the permitted quantity of 80650 m³ of Gravel and 52390 m³ of Rough stone as per Approved Mining Plan & EC granted in 2014. Hence it is evident that the PP had excavated (or) produced the quantity of both Gravel and Rough stone within the approved quantity only from the

approved quarry leasehold area. Hence, the PP had not violated in terms of producing any excess quantity against the volume as stipulated in the Mining Plan approved by AD (Geology & Mining). Further, the office of AD (Geology & Mining) had issued the Mine Plan Approval Communication letter (no: KV1/811/2019, dated.17.02.2020) in which nothing has been mentioned by the AD (Geology & Mining) in the line of violation (or) penalty, etc but consented to grant permission to quarry rough stone & gravel for a period of 5 years subject to the EC issued by the SEIAA.

8. The PP had stopped the quarrying operation well before the stipulated validity period of lease, i.e., 28.12.2014 for which no EC has been granted in 2009. Further, the PP had applied and obtained the EC (No: SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014, dated 16.05.2014) to operate the quarry from 2014. Therefore, the MoEF & CC - OM dated. 15.01.2016 stipulating the violation of projects operating without EC is not applicable in this quarry.
9. The PP have operated the quarry after obtaining an appropriate EC (No: SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014, dated 16.05.2014) by satisfying the Notification issued by the MoEF & CC, dated. 15.01.2016 indicates that the prior environmental clearance has become mandatory for mining of minor minerals irrespective of the area of mining lease. Further, the PP had also not expanded the production capacity (or) project area beyond the limit as specified in the aforesaid Environmental Clearance (Prior-EC) without obtaining Prior-EC (or) change of scope without prior approval and hence it cannot be treated under 'Violation' (or) Non-compliance' category as notified in the OM, dated. 07.07.2021 issued by the MoEF&CC.
10. Hence, the sub-committee recommends the SEAC the file may be processed for issue of EC for the proposed quarry to the extent of 4.70.5 Ha as there is no violation observed in this case.

Based on the presentation made by the Subcommittee, the SEAC decided to call for the following details from the PP.

1. The PP shall furnish the certified compliance report from IRO-MoEF & CC, Chennai (or) DEE/TNPCB on the previous EC issued.
2. The PP shall prepare and submit an 'Action Plan' for carrying out the realignment


MEMBER SECRETARY
SEAC -TN

45


CHAIRMAN
SEAC-TN

of the benches in the proposed quarry lease & 'Slope Stability Plan' for the proposed quarry.

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

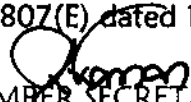
Now the proposal was placed in this 317th SEAC Meeting held on 06.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

Sl. No	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. N. Thiruppathi, 3/16-2, O. Mettupatti village, Sattur Taluk, Virudhunagar District Pin code:626203
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone and Gravel Quarry
3.	S.F No. of the quarry site with area break-up	S.F No. 741/1, 743, 744, 745, 746/2, 747, 748/2 & 749
4.	Village in which situated	O. Mettupatti Village
5.	Taluk in which situated	Sattur Taluk
6.	District in which situated	Virudhunagar District
7.	Extent of Quarry (in ha.)	4.70.5 Ha
8.	Period of Quarrying proposed	5 year
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m ³)	The production for 5 years not to exceed 3,12,645m ³ of Rough stone and 69,024 m ³ of gravel. The annual peak production as per mining plan is 63090m ³ of rough stone (5 th year) and 22524m ³ of gravel (1 st year) with proposed depth of 31m (BGL).
11.	Latitude & Longitude of all corners of the quarry site	Latitude: 09° 19' 18.55"N to 09° 19' 25.85"N Longitude: 77° 52' 56.66"E to 77° 53' 06.58"E
12.	Topo sheet No.	58 G / 15
13.	Man power requirement:	14 Employees
14.	Precise Area Communication approved by the Assistant Director,	NA.KA.KV. 1/811/2018, Kaniyamam dated 23.09.19

	Department of Geology & Mining, Virudhunagar	
15.	Mining plan approved by the Assistant Director, Department of Geology & Mining, Virudhunagar	KV1/811/2019 dated 17.02.2020
16.	500mts letter approved by the Assistant Director, Department of Geology & Mining, Virudhunagar	KV1/811/2019 dated 17.02.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.0KLD 1.0 KLD 1.5 KLD 0.5 KLD
18.	Power requirement: 1. Domestic purpose 2. Machinery works	TNEB Nil
19.	Depth of Mining	31m Below ground level
20.	Depth of Water table	60m Below ground level
21.	Whether any habitation within 300m distance	Nil within 300m radius
22.	Project cost	Rs.1,51,20,400 /-
23.	EMP cost	Rs.384000/-
24.	CER cost	Rs. 5 lakhs
25.	VAO letter dated	15.10.2019

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 3,12,645m³ of Rough stone and 69,024m³ of gravel with an ultimate depth of mining restricted upto 31m below ground level and not exceeding the annual peak production of 63,090 m³ of rough stone and 22,524 m³ of gravel, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


MEMBER SECRETARY
SEAC -TN

47


CHAIRMAN
SEAC -TN

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. Since the habitations and a match factory are situated at a distance range of 460 to 700 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 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 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.
7. 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 touched 30m below ground level (or) during the 4th 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

8. 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.
9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
10. 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 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 on the committed activities for O Mettupatti high School, before obtaining CTO from TNPCB.

Agenda No: 317-11

(File No: 8378/2021)

Proposed Earth quarry lease over an extent of 2.88.5 Ha at S.F.No. 212/3 of Seepalakottai Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru.G.Karthik- For Environmental Clearance. (SIA/TN/MIN/ 199357/2021 Dt. 22.02.2021)

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

The 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



MEMBER SECRETARY
SEAC -TN

49


CHAIRMAN
SEAC -TN

this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued the following directions.

- i. *There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*
- ii. *There shall not be any quarry operation in the name of colloquial terms/local terms and any lease shall be in accordance with minerals notified under section 3 (e) of the MMIDR Act.*
- iii. *A high-level committee has to be constituted, consisting of Geologists and Experts in the said field and eminent Officers from WRO, PWD to conduct a detailed study/survey on the possibility or the availability of the river sand on the adjacent patta lands to the rivers and those places, where sand is available, have to be notified and declared as protected zones and there cannot be any quarry operation other than by the Government, in those notified areas.*
- iv. *The department of Geology and Mining, shall furnish the details of all the Savudu quarries granted so far, in the state of Tamil Nadu, to this court, within a period of eight weeks from the date of receipt of a copy of this order.*
- v. *The details of all the savudu quarries shall also be furnished to the High Level Committee and High Level Committee shall inspect those quarries to ascertain the availability of sand in those quarries. In the event of High Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.*
- vi. *Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*
- vii. *The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*


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SEAC -TN


CHAIRMAN
SEAC- TN

viii. *Whenever, SEIAA clearance is required , it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.*

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

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

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

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

Now the proposal was placed in this 317th SEAC Meeting held on 06.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

Based on the presentation made by the proponent, SEAC noted that Srivilliputhur Megamalai Tiger Reserve (SMTR) is located at a distance of 6.5km. SEZ


MEMBER SECRETARY
SEAC -TN

51


CHAIRMAN
SEAC- TN

for the newly merged SMTR has not yet been notified and hence by default 10km from the boundary is the deemed SEZ. The PP shall, therefore, obtain and submit NBWL clearance, before further examination of the proposal is taken up.

Agenda No: 317-12
(File No: 8406/2021)

Proposed gravel quarry lease area over an extent of 1.52.50 Ha at S.F.No 208A/1A, 208A /1B, 208A /2A, 208A /2B, 208A /3, 208A /5B, 208A /6, 208A /7B, 208A/7C 208A/8, 208A/9, 208A/10, 208A/11, 208A/12, 208A/13, 208A/14, 208A/15, 208A/17, 208A/18, 208A/19, 208A/20, 208A/21, 208A/22, 208A/23, 208A/24A, 208A/24B Palaiyapatti Vadakkusethi Village, Budalur Taluk, Thanjavur District by Thiru. S.Selvaraj- For Environmental Clearance. (SIA/TN/MIN/200895/2021, dated: 16.08.2021)

The proposal was placed for appraisal in 228th SEAC meeting held on 24.8.2021, 286th meeting of SEAC held on 17.6.2022, 260th SEAC Meeting held on 1.4.2022 and 504th SEIAA meeting held on 6.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S.Selvaraj has applied for Environmental Clearance for the gravel Quarry lease area over an extent of 1.52.5 Ha at S.F.No 208A/1A, 208A /1B, 208A /2A, 208A /2B, 208A /3, 208A /5B, 208A /6, 208A /7B, 208A/7C 208A/8, 208A/9, 208A/10, 208A/11, 208A/12, 208A/13, 208A/14, 208A/15, 208A/17, 208A/18, 208A/19, 208A/20, 208A/21, 208A/22, 208A/23, 208A/24A, 208A/24B Palaiyapatti Vadakkusethi Village, Budalur Taluk, Thanjavur District, Tamil Nadu.
2. The project/activity is covered under Category“B2” of Item 1 (a)“Mining of Minerals Projects” of the Schedule to the EIA Notification,2006.
3. As per the mining plan, the lease period is for 3 years. The production for 3 years not to exceed 16,114 m3 of gravel. The annual peak production as per mining plan is 5372 m3 of gravel (3rd year) with proposed depth of 2m (BGL).

This proposal was placed in 504th SEIAA meeting held on 6.5.2022. The Authority observed that the based on the minutes of 228th SEAC meeting on 24.08.2021, the project proponent has furnished the revised mining area and its


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

production plan vide its Lr. 04.09.2021. Based on the above, the subject was placed in 260th SEAC on 01.04.2022 and recommended the proposal for grant of Environmental Clearance as per mine plan approved by the Geology & Mining subject to the conditions stated therein.

Also, the Authority noted that the mining is confined to SF. No. 208A/1A as per revised mine area of 0.25.5 ha and quantity of mining is restricted to 4868 m³ as per the details furnished by the project proponent vide Lr. Dt: 04.09.2021. In view of the above, the authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal.

This proposal has again been placed before 286th SEAC meeting held on 17.6.2022. The PP has made the representation along with following details.

The revised mine area will be of 0.25.5ha falling in survey no 208A/1A and the quantity of mining will be 4868 m³.

Year	Gravel in Cu.m for 2 m depth of mining	
	As per earlier approved mining plan	Revised as per SEAC suggestion
1	5,371	1650
2	5,371	1650
3	5,371	1568
	16,113	4868

Based on the presentation and documents furnished by the project proponent and the information obtained from TNeGA, SEAC noted that Pudukudi North Reserve Forest is within 1 km from the proposed site. PP however disagreed regarding the distance and requested time to produce letter from the concerned DFO. **SEAC therefore decided to direct PP to submit the letter from DFO and deferred the proposal.**

Now the proposal was placed in this 317th SEAC Meeting held on 06.10.2022. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC. The PP has submitted letter from DFO concerned stating that there is no RF within 1 km radius from the proposed site.


Sl. No	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru.S.Selvaraj, S/o. Srinivasan,

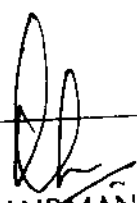

MEMBER SECRETARY
SEAC -TN

53


CHAIRMAN
SEAC -TN

		Palaiyapatti Vadakkusethi Village, Budhalur Taluk, Thanjavur District.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel Quarry
3.	S.F No. of the quarry site with area break-up	S.F.Nos.208A/1A, 208A/1B, 208A/2A, 208A/2B, 208A/3, 208A/5B, 208A/6, 208A/7B, 208A/7C, 208A/8, 208A/9, 208A/10, 208A/11, 208A/12, 208A/13, 208A/14, 208A/15, 208A/17, 208A/18, 208A/19, 208A/20, 208A/21, 208A/22, 208A/23, 208A/24A and 208A/24B
4.	Village in which situated	Palaiyapatti Vadakkusethi Village
5.	Taluk in which situated	Budalur Taluk
6.	District in which situated	Thanjavur District
7.	Extent of Quarry (in ha.)	1.52.5Ha (The revised mine area will be of 0.25.5ha falling in survey no 208A/1A)
8.	Period of Quarrying proposed	Three years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m ³)	4868m ³ of gravel for the period of Three years (as per approved SEAC minutes).
11.	Latitude & Longitude of all corners of the quarry site	Latitude : 10°42'14.63"N to 10°42'18.49"N Longitude: 78°53'59.01"E to 78°54'04.20"E
12.	Topo sheet No.	58 J/13,14 & 58N/1,2
13.	Man power requirement per day:	7 Employees
14.	Precise Area Communication approved by the Assistant Director, Department of Geology and Mining, Thanjavur	Rc.No.499/Mines/ 2015, Dated 23.09.2020.
15.	Mining plan approved by the Assistant Director, Geology & Mining, Thanjavur	Rc.No.499/Mines/ 2015, Dated 21.12.2020.
16.	500mts letter approved by the Assistant Director, Geology & Mining, Theni	Rc.No.499/Mines/ 2015, Dated 21.12.2020.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	1.0KLD 0.3KLD 0.4KLD 0.3KLD


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB No Electricity is needed for Mining operation.
19.	Depth of Mining	2m below ground level
20.	Depth of Water table	30m below ground level
21.	Whether any habitation within 300m distance	Nil
22.	Project cost	Rs 9,94,000/-
23.	EMP cost	Rs. 2,50,000/-
24.	CER cost	Rs.2 lakhs
25.	VAO letter dated	Nil

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 4868m³ of gravel, with an ultimate depth of mining restricted upto 2m below ground level, 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:

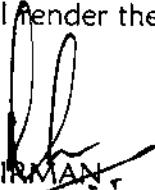
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was

mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical

- de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
13. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
 14. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
 15. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
 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


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SEAC -TN


CHAIRMAN
SEAC -TN

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 to the EMP as committed.
28. As accepted by the Project Proponent the CER cost is Rs.2 lakhs and the amount shall be spent on the committed activities for Panchayat Union Primary Government School – Boothalur Village before obtaining CTO from TNPCB.

Agenda No: 317-13

(File No: 8858/2021)

Proposed Red Soil quarry lease over an extent of 0.87.0 Ha at S.F.No. 160/11, 160/12, and 161/1 of Kuthakottai Village, Keelakarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru. R. Velusamy- for Environmental Clearance. (SIA/TN/MIN/234588/2021 dated 19.10.2021)

The proposal was earlier placed in 252nd SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are available on the PARIVESH website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. R. Velusamy has applied seeking Environmental Clearance for the proposed Red Soil quarry lease over an extent of 0.87.0 Ha at S.F.No. 160/11, 160/12, and 161/1 of Kuthakottai Village, Keelakarai Taluk, Ramanathapuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.

Sl. No	Details of the Proposal		
1.	Name of the Owner/Firm	:	Thiru.R.Veluchamy, S/o.P.Ramuthevar, M.S.K. Nagar, Ramanathapuram Taluk, Ramanathapuram District.
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Red Soil
3.	S.F No. Of the quarry site with area break-up	:	S.F.Nos.160/11, 160/12 & 161/1
4.	Village	:	Kuthakottai
5.	Taluk	:	Keelakarai
6.	District	:	Ramanathapuram
7.	Extent of quarry (in ha.)	:	0.87.0Ha Patta land
8.	Period of quarrying proposed	:	One year
9.	Method of mining	:	Open cast semi mechanized mining with no drilling and blasting
10.	Production (Quantity in m3)	:	4,548 m ³ of Red Soil for the period of one year.
11.	Depth of quarrying	:	1m

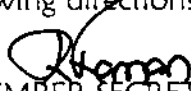

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12.	Latitude & Longitude of all corners of the quarry site	:	09°18'18"N To 09°18'21"N 78°50'54"E to 78°51'01"E
13.	Topo Sheet No.	:	58 K/15
14.	Man Power requirement per day	:	10 Nos
15.	Precise area communication	:	Letter Rc.No.430/G&M.2/2016 dated 30.11.2016
16.	Mining Plan	:	Rc.No.430/G&M.2/2016 dated 23.12.2017
17.	500m cluster letter	:	Rc.No. 262/2016 G&M-2, Dated 27.09.2021
18.	Water requirement 5. Drinking & domestic purposes (in kLD) 6. Dust suppression & Green Belt (in kLD)	:	1.0 kLD 0.3 kLD 0.7 kLD
19.	Power requirement for domestic purpose	:	TNEB
20.	Depth of water table	:	20m BGL
21.	Whether any habitation within 300m distance	:	Nil as per VAO letter
22.	Project Cost (including EMP cost)	:	Rs. 5,50,000/-
23.	EMP cost	:	Capital cost: Rs. 3.10 lakh Recurring cost: Rs. 2.20 lakh per annum
24.	CER cost	:	Rs 1.5 Lakh
25.	VAO certificate regarding habitation within 300m radius	:	VAO letter dated: 22.09.2021

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:


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SEAC -TN

60


CHAIRMAN
SEAC- TN

- 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.

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

The proponent submitted the reply on 12.09.2022. Hence the proposal was placed for reappraisal in the 317th meeting of SEAC held on 06.10.2022. Based on the presentation made and the documents furnished by the Project proponent, SEAC has decided to recommend the proposal for the grant of Environmental Clearance **for a production 4,548 m³ of Red Soil for the 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 the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory competent persons accordingly for the proposed quarry size to satisfy the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.

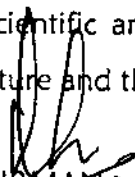

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3. The proponent shall erect fencing all around the boundary of the proposed area after leaving a safety distance of 7.5m from the adjacent patta lands with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
6. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

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


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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 to the EMP as committed.

28. As accepted by the Project Proponent the CER cost is **Rs. 1.5 Lakh** and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

Agenda No: 317-14

(File No: 6782/2019)


Proposed Rough stone quarry Lease over an Extent of 2.43.0ha in S.F.Nos.331 (Bit-I) at Parali Village of Mohanur Taluk, Namakkal District, Tamil Nadu - By Thiru. P.Mani – For Environmental Clearance. (SIA/TN/MIN/288610/202, Dated :13.08.2022)

The proposal was placed in this 317th SEAC Meeting held on 06.10.2022. The details furnished by the Proponent are given in the Parivesh website. (www.parivesh.nic.in)

The SEAC noted the following:

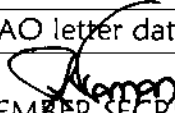
1. The project/activity is covered under Category "B2" of Item 1(a) " Mining of minerals "of the Schedule to the EIA Notification, 2006.

Sl. No	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. P.Mani S/o. Palanisamy Managing partner of Tvl. Jayamani Blue Metals N.pudupatti , Mohanur Taluk Namakkal District-637 021
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone quarry
3.	S.F No. of the quarry site with area break-up	331 (Bit-I)
4.	Village in which situated	Parali Village
5.	Taluk in which situated	Mohanur Taluk
6.	District in which situated	Namakkal District
7.	Extent of Quarry (in ha.)	2.43.0 ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Method mining


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10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 3,50,980m ³ of Rough stone with an ultimate depth of mining 66m (56m above ground level+10m below ground level). The annual peak production as per mining plan is 78040m ³ of Rough stone (5 th year).
11.	Latitude & Longitude of all corners of the quarry site	11°07'54.43"N to 11°08'01.02"N 78°11'53.10"E to 78°11'59.43"E
12.	Topo sheet No.	58-I/04
13.	Man power requirement per day:	34 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.1625/Mines/2018 Dated: 10.01.2019.
15.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc.No.1625/Mines/2018. Dated: 28.01.2019.
16.	500mts letter approved by the Assistant Director of Geology and Mining with date	Rc.No.1625/Mines/2018, Dated: 28.01.2019.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.0KLD 1.0KLD 1.3KLD 0.7KLD
18.	Power requirement: 3. Domestic purpose c. Machinery works	TNEB 2.81,214Liters of Diesel HSD will be used for the entire project life. Diesel will be brought from nearby diesel pumps.
19.	Depth of Mining	66m (56m above ground level+10m below ground level).
20.	Depth of Water table	50m - 45m depth below Ground level.
21.	Whether any habitation within 300m distance	Nil
22.	Project cost	Rs. 1,34,12,500/-
23.	EMP cost	Capital cost - 14,50,000/- Recurring cost - 21,66,800/-
24.	CER cost	Rs. 5,00,000/-
25.	VAO letter dated	22.01.2019

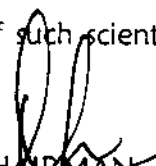

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Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total production of 3,50,980m³ of Rough stone with an ultimate depth of mining restricted upto 66m (56m above ground level + 10m below ground level) and not exceeding the annual peak production of 78040m³ 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. 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. 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 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 height of the proposed quarry is exceeding 30 m agl, before obtaining CTO from TNPCB.
6. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall during the 4th year from the commencement of mining operations, 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


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CHAIRMAN
SEAC -TN

study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

7. Since the habitations are situated at a distance range of 360 to 600 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 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.
8. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
9. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.
10. 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.
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 on the committed activities for Panchayat Union Middle School, Parali Village, Mohanur before obtaining CTO from TNPCB.


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Agenda No: 317-15

(File No: 7180/2021)

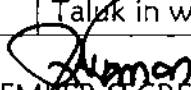
Proposed Rough Stone & Gravel Quarry lease over an extent of 2.35.85 Ha at S.F.No. 343/2A, 343/2B1, 343/3A & 343/4A in Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamilnadu by Thiru.M.Muralikrishnan - For Environmental Clearance. (SIA/TN/MIN/43425/2019 dated 28.10.2021)

The proposal was placed in 317th meeting of SEAC held on 06.10.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **Thiru.M.Muralikrishnan** has applied for Environmental Clearance for the proposed rough stone & gravel quarry lease over an extent of 2.35.85 Ha at S.F.Nos. **343/2A, 343/2B1, 343/3A & 343/4A in Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamilnadu.**
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.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of Five years. The total production for 5 years not to exceed 2,07,625m³ of Rough Stone, 57,700m³ of gravel & 16,126m³ of top soil with an ultimate depth of 40m below ground level and not to exceed the annual Peak Production Capacity of 44,375 m³ of Rough Stone, 29,100 m³ of Gravel, 8646 m³ of top soil.
4. The salient features of the project are as follows:

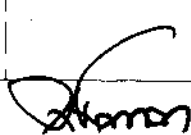
Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru.M.Muralikrishnan, S/o. Mohanraj, No.5/118-B, J.K. Farms, Thengani, Sulur Taluk, Periakuyilai Coimbatore District - 641201.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone & Gravel Quarry
3.	S.F No. of the quarry site	343/2A, 343/2B1, 343/3A & 343/4A
4.	Village in which situated	Pachapalayam
5.	Taluk in which situated	Sulur


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SEAC -TN

69


CHAIRMAN
SEAC -TN

6.	District in which situated	Coimbatore
7.	Extent of Quarry (in ha.)	2.35.85 Ha (Patta land)
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast mechanized mining
10.	Production (Quantity in m ³)	2,07,625 m ³ of Rough Stone, 57,700m ³ of gravel & 16,126 m ³ of top soil; Annual Peak Production Capacity of 44,375 m ³ of Rough Stone, 29,100 m ³ of Gravel, 8646 m ³ of top soil (1 year).
11.	Depth of Mining	40.0 m BGL
12.	Latitude & Longitude of all corners of the quarry site	10°53'32.82"N to 10°53'40.43"N 77°04'48.93"E to 77°04'54.52"E
13.	Topo sheet No.	58 – F/01
14.	Man power requirement	32 Employees
15.	Precise Area Communication approved by District Collector, Coimbatore with date	Rc.No.192/Mines/2019 dated. 18.07.2019
16.	Mining plan approved by Joint Director/ Assistant Director (i/c), Department of G&M with date	Rc.No.192/Mines/2019 dated. 05.08.2019
17.	500m letter approved by the Joint Director/ Assistant Director(i/c), Department of Geology and Mining with date	Rc.No.192/Mines/2019 dated. 21.08.2019
18.	Water requirement: 7. Drinking water & Domestic purposes 8. Dust Suppression 9. Green Belt	6.25KLD 1.0 KLD 4.5 KLD 0.75 KLD
19.	Power requirement:	1,84,406 liters of HSD for the entire project life
20.	Depth of Water table	59 – 55m
21.	Project cost (excluding EMP cost)	Rs.63.502 Lakhs
22.	EMP cost	Capital Cost – Rs.13.05 Lakhs Recurring Cost – Rs.17.36 Lakhs
23.	CER cost	5 Lakhs
24.	VAO letter dated	Enclosed
25.	Tor Issued	Lr.No.SEIAA-TN/F.No.7180/ SEAC/ToR-748/2020 dated:15.09.2020


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26.	public hearing	04.09.2021
27.	EIA report submitted	01.11.2021

Based on the presentation and document furnished by the project proponent, after detailed deliberations, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** for the revised quantity of **2,07,625m³ of Rough Stone, 57,700m³ of gravel & 16,126m³ of top soil** with an ultimate depth of **40m below ground level and not to exceed the annual Peak Production Capacity of 44,375 m³ of Rough Stone, 29,100 m³ of Gravel, 8646 m³ of top soil**, 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:

2. 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.
3. 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.
4. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
5. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
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 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 carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
9. Within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock on the surrounding structures and habitations', 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.
10. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry exceeds 30m after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
11. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
12. The PP shall 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.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
16. As accepted by the Project proponent the CER cost is Rs. **5 lakhs** and the amount shall be spent towards the Panchayat Union Primary School, Pachapalayam, Sultanpettai Union, Kovai for the activities as committed, before obtaining CTO from TNPCB.

Agenda No.317-16

(File No: 7952/2021)

Proposed Rough Stone quarry lease area over an extent of Extent 1.42.0Ha at S.F.Nos. 76 and 140 (Part-3) Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by M/s Sri Vetri Constructions - For Environmental Clearance. (SIA/TN/MIN/174379/2020 Dt.21.9.2020)

Earlier, this proposal was placed for appraisal in the 263rd meeting of SEAC held on 9.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
2. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 1,04,273 m³ of Rough stone & 3,102m³ of weathered rock. The Annual peak production as per mining plan is 40810m³ of rough stone (4th year) with proposed depth of 20m (6m AGL + 14m BGL) with 3m existing depth + 17m proposed.

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	M/s. Sri Vetri Constructions, No.33, S.R.Complex, Vetri Lodge, Siddha Veerappa chetty Street.


MEMBER SECRETARY
SEAC -TN

73


CHAIRMAN
SEAC -TN

		Dharmapuri Town, Dharmapuri District, Tamil Nadu - 636701.
2.	Type of quarrying	Rough Stone Quarry
3.	S.F No. of the quarry site with area break-up	76 and 140 (Part-3)
4.	Village in which situated	Nathathahalli
5.	Taluk in which situated	Nallampalli
6.	District in which situated	Dharmapuri
7.	Extent of Quarry (in ha.)	1.42.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	12°7'28.37" N to 12°7'33.81" N 78°4'19.97"E to 78°4'25.77"E
9.	Topo sheet No.	57-L/04
10.	Type of Mining	Opencast semi Mechanized Mining
11.	Lease Period of Quarrying proposed	10 Years
12.	Production (Quantity in m3)	Mining plan is for 5 years with 1,04,273m ³ Rough Stone & Annual Peak Production Capacity of 40810 m ³ Rough Stone (4 th year)
13.	Depth of quarrying	20m (6 m AGL + 14 m BGL)
14.	Depth of water table	75m-70m (BGL)
15.	Precise Area Communication approved by the, District Collector and Department of Geology and Mining, Dharmapuri District, with date	Na.Ka.No.164/2019(Kanimam), Dated:14.05.2020
16.	Mining plan approved by Deputy Director, Department of Geology and Mining, Dharmapuri District with date	Rc. No.164/2019 (Mines) Dated: 01.06.2020.

17.	Deputy Director, Department of Geology and Mining, Dharmapuri District with date 500mts letter	Rc.No.164/2019/(Mines), Dated: 09.06.2020.
18.	VAO Certificate regarding 300m Radius letter dated	06.07.2020.
19.	Project cost (excluding EMP cost)	Rs.1,16,37,000 /-
20.	EMP cost	Rs.3.20Lakhs
21.	CER cost	5 Lakhs


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

1. The project proponent shall furnish a letter from DFO stating the exact distance of the proposed location to the **Nathathahalli RF**.

The project Proponent submitted details to SEIAA on 16.09.2022.

The proposal was again placed in the 317th SEAC meeting held on 06.10.2022. 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 1,04,273 cu.m of rough stone for an ultimate depth of 20 m (6 m AGL + 14 m BGL) and not to exceed the Annual Peak Production Capacity of 40810 m³ Rough Stone, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

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


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC - TN

3. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
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 Metalliferous Mines Regulations, 1961.
3. 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.
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).
5. The PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
6. Within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock on the surrounding structures and habitations', 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.
7. 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 when the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

8. However, the PP shall carry out scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT-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.
9. 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.
10. 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.
11. 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.
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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

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 to the EMP as committed.

15. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for providing infrastructure facilities and plantation of trees for panchayat Union Primary School, kothapetta Village before obtaining CTO from TNPCB.

Agenda No: 317-17

(File No: 7954/2021)

Proposed Rough stone quarry lease area over an extent of 1.22.0Ha at S.F.Nos. 76 and 140 (Part-4), Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by ThiruP.Periyannan-For Environmental Clearance (SIA/TN/MIN/174650/2020 Dt. 22.9.2020)

The proposal was placed for appraisal in this 317th meeting of SEAC held on 06.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.P.Periyannan No.1/12.1,Nathathahalli Village Nallampalli Taluk Dharmapuri District - 636803
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone
3	S.F No. of the quarry site with area break-up	: 76 & 140 (Part - 4)
4	Village in which situated	: Nathathahalli
5	Taluk in which situated	: Nallampalli
6	District in which situated	: Dharmapuri
7	Extent of quarry (in ha.)	: 1.22.0 ha
8	Period of quarrying proposed	: 5 Years
9	Type of mining	: mechanized open cast mining

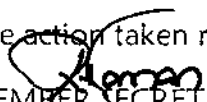

MEMBER SECRETARY
SEAC -TN

78


CHAIRMAN
SEAC -TN

10	Production (Quantity in m ³)	:	96154 m ³ of Rough stone, 5904 of Topsoil & 5904 Weathered Rock.
11	Annual peak production (Quantity in m ³)	:	34265 m ³ of Rough stone (4 th year)
11	Latitude & Longitude of all corners of the quarry site	:	12°7'30.16"N to 12°7'35.19"N 78°4'22.29"E to 78°4'27.61"E
12	Topo Sheet No.	:	57 -L/04
13	Man Power requirement per day:	:	24 Employees
14	Precise area communication approved by the District Collector, with date	:	Rc.No.165/2019/(Mines) dated : 14.05.2020
15	Mining Plan approved by the Deputy Director of Geology and Mining with date	:	Rc.No.165/2019/(Mines) dated : 01.06.2020
16	500 m approved by the Deputy Director of Geology and Mining	:	Rc.No.165/2019/(Mines) dated : 09.06.2020
17	Power requirement c. Domestic Purpose d. Industrial Purpose	:	78888 Liters of HSD for the entire period of life
17	Water requirement: 7. Drinking & domestic purposes (in KLD) 8. Dust suppression & Green Belt (in KLD)	:	5.9 KLD 0.8 KLD 3.6 KLD 1.5 KLD
18	Depth of quarrying	:	20m (5m AGL+ 15m BGL) (1m Topsoil + 1m Weathered Rock + 18m Rough stone)
19	Depth of water table	:	75-70m
21	Project Cost (excluding EMP cost)	:	Rs.1,06,92,000/-
22	EMP cost	:	Capital cost :9,91,000/- Recurring Cost : 18,71,200/-
23	CER Cost	:	Rs 5.0Lakhs
24	VAO Dated	:	06.07.2020

Earlier, this proposal was placed for appraisal in the 221st meeting of SEAC held on 23.07.2021. Based on the presentation and documents furnished by the project proponent, SEAC noted that a complaint letter has been received from the Member Secretary/TNPCB vide Lr. No.TNPCB/F.22649/DMP/Complaint section/2020 dated 17.12.2020 enclosing the copy of complaint received from the Public of the Nathathahalli Village against the proposed quarry. SEAC decided that only after receipt of the action taken report from competent authority on the said complaint the project


MEMBER SECRETARY
SEAC -TN

79


CHAIRMAN
SEAC -TN

will be appraised by the committee. The SEIAA office shall address the said complaint to the competent authority as early as possible.

After, this proposal was placed for reappraisal in the 264th meeting of SEAC held on 19.4.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent.

1. The project proponent shall furnish a letter from DFO indicating the distance of Nathathahalli RF with respect to the project site.

Now, the PP has furnished the copy of DFO letter vide Lr.No.3321/2022/dt:22.06.2022 wherein it is stated that the proposed quarry site is located at an aerial distance of 1.94km from the Nathathahalli R.F. Hence, the proposal was placed for appraisal in this 317th meeting of SEAC held on 06.10.2022. 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 production quantity of 96154 m³ of Rough stone & 5904 Weathered Rock and not to exceed the Annual Peak Production capacity of 34265 m³ of Rough stone with restricting the ultimate pit depth of 20 m, 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 operations 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 proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the

commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

5. Within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock on the surrounding structures and habitations', 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 carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
7. 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).
8. 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.
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 EMP furnished.

12. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government Higher Secondary School, Nathathahalli as committed before obtaining CTO from TNPCB.

Agenda No: 317-18
(File No: 8073/2022)


Proposed Rough stone and gravel quarry lease area over an extent of 2.00.0 Ha at S.F. No. 1/4 (Part-37) Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by Thiru. M. Perumal, -For Environmental Clearance amendment (SIA/TN/MIN/57165/2020 Dt.16.2.2022)

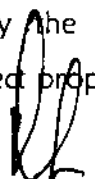
The proposal was placed for appraisal in this 317th SEAC meeting held on 06.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. M. Perumal has applied for the Environmental Clearance for proposed rough stone and gravel quarry lease area over an extent of 2.00.0 Ha at S.F. No. 1/4 (Part-37) Anandalai Village, Walajah Taluk, Vellore 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.
3. As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed 739225 m³ of Rough stone and 10000 m³ of Top soil. The annual peak production as per mining plan is 152625 m³ of Rough stone (1st year) & 20000 m³ of Top Soil (1st year) with ultimate depth of 56m AGL.
4. The PP was issued with ToR vide Lr No. SEIAA-TN/F.No.8073/SEAC/ToR-907/2020 Dt.16.3.2021 with restrict the ultimate depth of mining to 51m (1m +50m) BGL and the restricted quantity that shall be mined as per the approved mining plan is Rough stone: 694225 m³, Topsoil:20,000 m³.

Earlier, this proposal was placed for appraisal in the 269th meeting of SEAC held on 5.5.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- The project proponent shall furnish a letter from DFO indicating the exact distance of the **Bagaveli RF** located from the project site.

Now, the proposal was placed in this 317th SEAC meeting held on 06.10.2022. During the meeting the Committee noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Agenda No: 317-19

(File No: 8252/2021)


Proposed Gravel & pebbles quarry lease over an extent of 0.78.0Ha at S.F.Nos: 90/5B & 95/2B of Vilangalpattu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.T.Prakash- For Environmental Clearance. (SIA/TN/MIN/193812/2021, dated: 19.01.2021)

The proposal was placed in 261st SEAC Meeting held on 07.04.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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

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

Now the proposal was placed in this 317th SEAC Meeting held on 06.10.2022. 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.T.Prakash No.100, West Street Vilangalpattu, Vanamadevi Post Cuddalore Taluk & District - 607105
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel and Pebbles Quarry
3.	S.F No. of the quarry site with area break-up	S.F No. 90/5B & 95/2B
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.)	0.78.0Ha
8.	Period of Quarrying proposed	Two years only.
9.	Type of Mining	Opencast Method of shallow mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 2 years. The production for 2 years not to exceed 9,019m³ of Gravel and 1,002m³ of Pebbles with an ultimate depth of mining 5m above ground level.

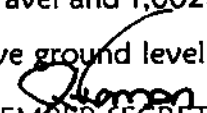

MEMBER SECRETARY
SEAC -TN

84


CHAIRMAN
SEAC -TN

11.	Latitude & Longitude of all corners of the quarry site	11°43'19.21"N to 11°43'23.90"N 79°39'06.36"E to 79°39'11.16"E
12.	Topo sheet No.	58-M/ 10
13.	Man power requirement per day:	8 Employees
14.	Precise Area Communication approved by the Assistant Director, Department of Geology and Mining, Cuddalore	Rc.No.77/Mines//2020, Dated: 06.11.2020
15.	Mining plan approved by the Assistant Director, Department of Geology and Mining, Cuddalore	Rc.No. 77/Mines/2020 Dated: 24.12.2020.
16.	500mts letter approved by the Assistant Director, Department of Geology and Mining, Cuddalore	Rc.No. 77/Mines/2020 Dated: 24.12.2020.
17.	Water requirement: 4. Drinking & domestic purposed (in KLD) 5. Dust Suppression 6. Green Belt (in KLD)	1.5KLD 0.2KLD 0.5KLD 1.8KLD
18.	Power requirement: 3. Domestic purpose d. Machinery works	Nil
19.	Depth of Mining	5m above from ground level
20.	Depth of Water table	46-41m depth from below ground level.
21.	Whether any habitation within 300m distance	Nil
22.	Project cost	Rs. 15,31,000/-
23.	EMP cost	Capital cost - 4.10 Lakhs Recurring cost - 2.05 Lakhs
24.	CER cost	1 Lakh
25.	VAO letter dated	24.12.2020

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 9019m³ of gravel and 1,002m³ of Pebbles with an ultimate depth of mining restricted upto 5m above ground level for a period of three years, subject to the standard conditions as


MEMBER SECRETARY
SEAC -TN

85


CHAIRMAN
SEAC - TN

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

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


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SEAC- TN

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 to the EMP as committed.
28. As accepted by the Project Proponent the CER cost is Rs.1 lakhs and the amount shall be spent on the committed activities before obtaining CTO from TNPCB.

Agenda No:317-20

(File No: 8528/2021)


Proposed Earth quarry lease over an extent of 0.97.0 Ha at S.F.Nos. 231/7, 231/8, 231/10 (P), 244/11, 244/12 & 244/13 of Vellakarai Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru. A.Prasath- For Environmental Clearance. (SIA/TN/MIN/209390/2021 Dt. 16.04.2021)

The proposal was placed in this 317th meeting of SEAC held on 06.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru.A.Prasath S/o. Arul


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		No.8, Meenatchi Amman Kovil Street, Thondamanatham, Villianur Puducherry-608502
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Earth quarry
3	S.F No. of the quarry site with area break-up	: 231/7, 231/8, 231/10(P), 244/11, 244/12 & 244/13
4	Village in which situated	: Vellakarai
5	Taluk in which situated	: Cuddalore
6	District in which situated	: Cuddalore
7	Extent of quarry (in ha.)	: 0.97.0 ha
8	Period of quarrying proposed	: 2 Years
9	Type of mining	open cast Method of shallow mining
10	Production (Quantity in m ³)	: 17882 m ³ of Earth
11	Latitude & Longitude of all corners of the quarry site	: 11°42'41.25"N to 11°42'46.64"N 79°40'14.72"E to 79°40'19.81"E
12	Topo Sheet No.	: 58 M/10
13	Man Power requirement per day:	11 Employees
14	Precise area communication approved by the Assistant Collector, Coimbatore with date	: Rc.no.28/mines/2021 dated: 26.02.2021
15	Mining Plan approved by the Assistant Director of Geology and Mining with date	: Rc.no.28/mines/2021 dated: 31.03.2021
16	500 m approved by the Assistant Director, Dept of Geology and Mining	Rc.no.28/mines/2021 dated: 31.03.2021
17	Water requirement: 9. Drinking & domestic purposes (in KLD) 10. Dust suppression & Green Belt (in KLD)	: 1.0 KLD 0.25 KLD 0.5 KLD 0.25 KLD
18	Power requirement e. Domestic Purpose f. Industrial Purpose	TNEB 2980 liters of HSD for entire project life

19	Depth of quarrying	:	4m (2m AGL + 2m BGL)
20	Depth of water table	:	55m BGL
21	Project Cost (excluding EMP cost)	:	15.90 lakhs
22	EMP cost	:	2 lakhs
23	CER Cost	:	2.0 lakhs
24	VAO Dated	:	02.04.2021


Earlier, this proposal was placed in the 252nd SEAC meeting held on 10.03.2022. The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued 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.

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.


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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.

Now, the project proponent has submitted the sieve analysis and shear strength properties of the soil sample from Anna University College of Engineering, Dindigul District, dated: 20.10.2021 and A letter from Assistant Director, Dept. of Geology and Mining, Cuddalore vide RC.No.28/mines/2021, dated: 23.08.2022. Hence, the proposal was placed in this 317th meeting of SEAC held on 06.10.2022. After detailed deliberations, SEAC decided to **recommend the proposal for the grant of Environmental Clearance, for a production quantity of 17,882 cu.m of Earth by maintaining an ultimate depth of 4 m (2m AGL + 2m BGL),** subject to the standard conditions & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

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


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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

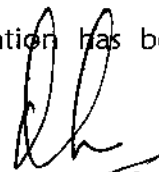

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Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

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.
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 adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
23. 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.
24. 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.
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.


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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 to the EMP as committed.

28.As accepted by the Project Proponent the CER cost of Rs. 2.0 lakhs and the amount shall be spent for the Panchayat Union Primary School, Cuddalore before obtaining CTO from TNPCB.


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ANNEXURE-I

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


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

Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of

rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

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


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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	விவ் வம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி. ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Uail	உச்சை
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia variegata</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathu	இருவாத்தி
8	<i>Bauhinia axillaris</i>	Kattuma	காட்டிமரம்
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Berberis carya</i>	Ilayu, Servalayam	இலவ
12	<i>Cassia fistula</i>	Punnai	புனை
13	<i>Cassia roxburghii</i>	Sarakondrai	சரகொண்டரை
14	<i>Cassia tor</i>	Sengondrai	செங்கொண்டரை
15	<i>Cordia allamanda</i>	Purasamaram	பரசு மரம்
16	<i>Cordia allamanda</i>	Kongu, Manjallayam	கொங்கு, மஞ்சள் இலவ
17	<i>Cordia dichotoma</i>	Nannu	நன்ன
18	<i>Cordia allamanda</i>	Mavalangum	மாவலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzhai	உவா
20	<i>Dillenia pentagyna</i>	Siru Uva, Sitruzha	சிறு உவா
21	<i>Diospyros ebenum</i>	Karungali	கருங்காணி
22	<i>Diospyros schloroxylon</i>	Vaganai	வாகனை
23	<i>Eugenia jambolana</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrappavaram	ஆற்றப்பவரசு
25	<i>Hibiscus rosa-sinensis</i>	Aacha	ஆச்சி
26	<i>Holoptelea integrifolia</i>	Aavali	ஆவா மரம், ஆவல்
27	<i>Lantana camara</i>	Odham	ஒதம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottamaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinosa</i>	Pisinpattai	பிசிப்பட்டை
32	<i>Madhuca longifolia</i>	Illupai	இலுப்பை
33	<i>Mangifera indica</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitrasyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Platanus indica</i>	Eachu	ஏச்சுமரம்
39	<i>Pongamia pinnata</i>	Pungan	பங்கம்

40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunai	நடு முன்னை
42	<i>Premna tomentosa</i>	Malaipeevaram	மலை பூவரசு
43	<i>Procypis cinerea</i>	Vanni maran	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பூவு
47	<i>Putranjaya redburghii</i>	Karipala	கற்பலா
48	<i>Salvadora persica</i>	Ugaa Maran	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Marupungan, Soapukai	மணிப்பங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அஸோகா
51	<i>Streblus asper</i>	Pirav maran	பிராட மரம்
52	<i>Strachinos maxsonii</i>	Yetti	எட்டி
53	<i>Strachinos permaran</i>	Therthang Kottai	தேத்தான் கெட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேணி மருது
57	<i>Tecna ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvaratu	பூவரசு
59	<i>Walsura arifoliata</i>	valsura	வால்குரா
60	<i>Wriklatia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Plithocellobium dulce</i>	Kodukkapuli	கோடுக்காப்பளி


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

Appendix -II

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

-----சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SE-2A, ----- தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி ----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகனம் பகுதி வளர்ச்சி	குவாரியின் எல்லைவயசு சுற்றி வெளி சுமைக்க வேண்டும்
மேம்பாட்டுக்கான சுரங்கத் திட்டம்	காங்குபாளையின் ஆழம் தளமாட்டத்திலிருந்து மீட்டரிக்கு மிகமலா இடுக்கு வேண்டும்
நடப்பட்டு	காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள்	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக உவ்வப்போது தெளிக்க வேண்டும்
எண்ணிக்கை	இனரச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லைவயசு சுற்றி அடர்த்தியான பகனம் பகுதியை ஏற்படுத்த வேண்டும்
சுரங்கத்தில் பெரிய வைக்கும்பொழுது நிலத்திரவங்கள் ஏற்படாத வாய்ப்பு மற்றும் சுறகை பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உணர்ச்சியாக செயல்படுத்தப்பட வேண்டும்	
சுரங்கத்தில் இருந்து ஏற்படும் இனரச்சல் அளவு 85 டிபிசெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்	
சுரங்க சட்ட விதிகள் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு அகாதாமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
சீரமைத் தல்லது பத்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைவயசு தொடர்ந்து நடைபாடமீக்க வேண்டும்	
காங்குப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் திடீர் திடீர் தாத்தினை தொடர்ந்து அளவளிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம் பொருட்களை எடுத்துச் செல்வது சிரமம் மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் லாகனப்பகளை இயக்க வேண்டும்	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகனம்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷம் (பய: parivesham) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்கள்லுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தில் முதுங்கண்ணந்த மையம் அலுவலகம்: 044 - 22222225 அல்லது தமிழ்நாடு மாக கட்டுப்பாடு வாரியத் திண் மாவட்ட சுற்றுச்சூழல் பொறுப்பாளர் அலுவலகம்	