

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of 301<sup>st</sup> Meeting of the State Expert Appraisal Committee (SEAC) held on 6<sup>th</sup> August 2022 (Friday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

**Agenda No: 301-01**

**(File No: 9277/2022)**

**Proposed Black Granite Quarry lease over an extent of 1.10.0 Ha at S.F.Nos 516/2A3(P), 516/2A4(P), 516/2A5(P), 516/2A6(P), 516/2C(p) & 516/3(P) Vinnamangalam Village, Ambur Taluk, Vellore District, Tamil Nadu by Thiru. Raymond Ruban for Environmental Clearance (SIA/TN/MIN/272596/2022, Dt:13.05.2022)**

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

The SEAC noted the following,

1. The Project Proponent, Thiru. Raymond Ruban has applied for Environmental Clearance for the proposed Black Granite Quarry lease over an extent of 1.10.0 Ha at S.F.Nos 516/2A3(P), 516/2A4(P), 516/2A5(P), 516/2A6(P), 516/2C(p) & 516/3(P), Vinnamangalam Village, Ambur Taluk, Vellore District Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

On the initial discussion, the Project Proponent has requested time to obtain DFO letter indicating the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site. After the receipt of the above details, SEAC will further examine the proposal.

**Agenda No: 301-02**

**(File No: 9250/2022)**

**Proposed Gravel quarry lease over an extent of 1.12.0 Ha at S. F. No. 283/3, Nallur Village, Madurai South Taluk, Madurai District, Tamil Nadu by Thiru M. Pradeep Ramkumar- for Environmental Clearance (SIA/TN/MIN/272766/2022 Dated 14.05.2022)**

The project proposal was placed for appraisal in this 301<sup>st</sup> meeting of

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

SEAC held on 06.08.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru M. Pradeep Ramkumar has applied seeking Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.12.0 Ha at S. F. No. 283/3, Nallur Village, Madurai South Taluk, Madurai District, Tamil Nadu.
  2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
- Based on the documents furnished and the presentation of the project, the Committee decided to call for the following additional particulars from the proponent:

1. Letter from the DFO, Madurai District indicating the location (GPS coordinates) and distance of the proposed mine lease area from the nearby Reserve Forests.
2. On perusal of the village map and KML file, it was inferred that a Nalla is traversing through the mine lease area. Hence a letter from AD/Mines shall be obtained detailing the Nalla and the safety provisions.
3. Registered land lease document shall be furnished.

On receipt of the aforesaid details/documents from the Proponent, the subject will be placed before the Committee for further deliberation and to decide on future course of action.

**Agenda No: 301-03**

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

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

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

appraisal of this project. The Committee, accepting the request, has therefore decided to defer the proposal to a later date.

**Agenda No: 301-04**

**(File No: 9245/2022)**

**Proposed Earth quarry Lease over an extent of 3.34.0 Ha at S.F.No. 102/4E, 102/4C, 102/4D, 10 2/2, 102/4B, 102/1(P), 102/3(P), 103/2B(P), 103/1(P), 103/2A, 103/3, 103/4, 109/1 and 109/2 in Thandavankulam Village, Sirkazhi Taluk, Nagapattinam District, Tamil Nadu by Thiru. J. Sivakumar – For Environmental Clearance (SIA/TN/MIN/260302/2022 dated 27.03.2022)**

The proposal was placed for appraisal in the 301<sup>th</sup> meeting of SEAC held on 06.08.2022. During the meeting, neither the project proponent nor the consultant was present.

In view of the above, SEAC decided to defer the subject and call for the explanation of PP for not attending the meeting.

**Agenda No: 301-05**

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

**Proposed Rough stone and Gravel quarry Lease over an extent of 1.61.94 Ha at S.F.No. 1400/A3(P) in Vellakoll Village, Kangayam Taluk, Tiruppur District, Tamil Nadu by Thiru S. Sivanantha Vadivel – For Environmental Clearance (SIA/TN/MIN/270445/2022 dated 09.05.2022)**

The proposal was placed for appraisal in the 301<sup>th</sup> meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

Based on the presentation and document furnished by the project proponent, SEAC decided to consider the proposal for Environmental Clearance after the receipt of the following:


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


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

**Agenda No: 301-06**

**(File No: 9259/2022)**

**Proposed Gravel quarry Lease over an extent of 4.34.5 Ha at S.F.No. 152/13, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 160/5, 160/4A, 160/4B, 160/4D, 160/6, 160/1A, 162/4, 162/1, 163/9, 160/2A and 160/2B in Thatchankurichi Village, Gandharvakottai**

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

**Taluk, Pudukottai District, Tamil Nadu by. Thiru. G. Swaminathan– For Environmental Clearance (SIA/TN/MIN/270782/2022 dated 02.05.2022)**

The proposal was placed for appraisal in the 301<sup>th</sup> meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

During discussions, SEAC noted that the Environmental Clearance has already been granted for the survey numbers 156/2, 156/3, 156/4, 156/5, 156/6, 157/3(P), 160/10, 160/11, 160/16 & 160/17 of Thatchankurichi Village, Gandharvakottai Taluk, Pudukottai District vide **Lr.No.SEIAA-TN/F.No.7173/1(a)/EC.No:4361/2020 dated:06.10.2020** in the name of Thiru.G.Murugesan with a validity of 3 years. While the validity of the above mentioned EC has not expired yet, Thiru.G.Swaminathan has applied for the survey numbers 152/13, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 160/5, 160/4A, 160/4B, 160/4D, 160/6, 160/1A, 162/4, 162/1, 163/9, 160/2A and 160/2B in Thatchankurichi Village, Gandharvakottai Taluk, Pudukottai District. When asked about this, PP stated that the above mentioned EC was cancelled by Thiru.G.Murugesan due to some personal reasons. But the details/proof of the same was not submitted.

In view of this, SEAC decided to direct the PP to submit the following:

1. A letter from AD mines reporting the current environmental conditions of the project site and details/status/work carried out during earlier EC period.

AD shall also clarify on the lease issued to Thiru.G.Murugesan.

**Agenda No: 301-07**


**(File No: 9273/2022)**

**Proposed Rough Stone & Gravel quarry Lease over an extent of 3.44.10 Ha at S.F.No. 193/1 (P), 193/2(P) & 193/3 in Chennimalai Village, Perundurai Taluk, Erode District, Tamil Nadu by. Thiru. P. Thamilarasu – For Environmental Clearance (SIA/TN/MIN/272876/2022 dated 19.05.2022)**

The proposal was placed for appraisal in the 301<sup>th</sup> meeting of SEAC held on 06.08.2022. The PP was not present during the meeting. Further, SEAC noted that the PP has submitted a request to withdraw the application for Environmental Clearance in the Parivesh Portal.

In view of this, SEAC decided to remit the proposal back to SEIAA.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

**Agenda No: 301-08**

**(File No: 9287/2022)**

**Proposed Rough Stone & Gravel quarry Lease over an extent of 2.99.0 Ha at S.F.No. 213(P) & 214(P) in Srimoolakarai Village, Srivaikuntam Taluk, Thoothukudi District, Tamil Nadu by. Thiru. Sri Nainar Balaji – For Terms of Reference. (SIA/TN/MIN/77512/2022 dated.31.05.2022)**

**The SEAC noted the following:**

1. The project proponent, Thiru. Sri Nainar Balaji has applied for Terms of Reference for the proposed Rough stone & Gravel quarry lease over an extent of 2.99.0 at S.F.Nos. 213(P) & 214(P) of Srimoolakarai Village, Srivaikuntam Taluk, Thoothukudi 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 5 years. The mining plan is for 5 years. The production for 5 years not to exceed 5,50,220 cu.m of rough stone and 50,498 cu.m of gravel with an ultimate depth of 43m below ground level.

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

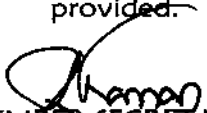
1. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site
2. The proposed site is located within 5km from Vallanadu Reserve Forest/ Wild Life Sanctuary, hence the PP shall prepare appropriate conservation measures at a cost of Rs. 10 lakh in consultation with the DFO, Vallanadu, as a part of EIA report.
3. Detailed survey of temples situated in the vicinity of the project site.
4. The PP shall carry out Bio diversity study through reputed institution and the same shall be included in EIA Report.
5. Detailed survey of permanent structures located within 2 Km from the project site shall be included in the EIA report.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

6. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
7. The Proponent shall submit a conceptual 'Slope Stability Assessment' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
8. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
9. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b. Quantity of minerals mined out.
  - c. Highest production achieved in any one year
  - d. Detail of approved depth of mining.
  - e. Actual depth of the mining achieved earlier.
  - f. Name of the person already mined in that leases area.
  - g. If EC and CTO already obtained, the copy of the same shall be submitted.

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

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



27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
28. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
29. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **appendix-I** in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
33. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.

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

**Agenda No: 301-09**

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

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

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

**The SEAC noted the following:**

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

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

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

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

**Agenda No: 301-10**

**(File No: 9260/2022)**

**Proposed Rough Stone & Gravel quarry lease area over an extent of SF No. 2.14.5 Ha at S.F.Nos. 235/1A1B in Athanoor Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. P. Selvaraj - For Environmental Clearance. (SIA/TN/MIN/269105/2022, dated: 25.04.2022).**

  
MEMBER SECRETARY  
SEAC -TN

11

  
CHAIRMAN  
SEAC -TN

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

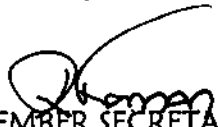
The SEAC noted the following:

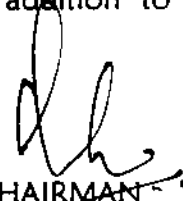
1. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

Sl. No.	Details of the proposal	
1.	Name of the Owner / Firm	Thiru. P.Selvaraj S/O. Ponnusamy No.5-88, Mavur Konapattu Post Thirumayam Taluk Pudukkottai - 622 503
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. 235/1A1B
4.	Village in which situated	Athanoor Village
5.	Taluk in which situated	Thirumayam Taluk
6.	District in which situated	Pudukkottai District
7.	Extent of Quarry (in ha.)	2.14.5 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. <b>3,02,225 m<sup>3</sup> of Rough Stone and 46,686 m<sup>3</sup> of Gravel.</b> The Annual peak production as per mining plan is 63475 m <sup>3</sup> of rough stone (4 <sup>th</sup> year) & 23586 m <sup>3</sup> of gravel (2 <sup>nd</sup> year)
11.	Latitude & Longitude of all corners of the quarry site	10° 12' 27.30" N to 10° 12' 33.48" N 78° 44' 12.18" E to 78° 44' 16.43" E
12.	Topo sheet No.	58-J/12
13.	Man power requirement per day:	37 Employees
14.	Precise Area Communication approved by the District Collector	Rc No: 62/2020 (G&M) dated 17.02.2022.

	Pudukkottai District with date	
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.62/2020 (G&M) dated 09.03.2022.
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No.62/2020 (G&M) dated 09.03.2022
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	3.0KLD 2.0KLD Water vendor 0.50 KLD & 0.50 KLD Source : Through road tankers supply
18.	Power requirement: a. Domestic purpose b. Machinery works	No power is required for the project. 2,49,556 Liters of HSD for the entire period of life
19.	Depth of Mining	38.0 m (3.0 m Gravel and 35 m Rough Stone)
20.	Depth of Water table	70 - 75 m (70 m in Rainy Seasons and 75 m in Summer Season)
21.	Whether any habitation within 300m distance	No
22.	Project cost (excluding EMP cost)	RS. 80,74,000/-
23.	EMP cost	Rs.18,08,000/-
24.	CER cost	RS.5 lakhs
25.	VAO letter dated	17.03.2022

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 of **3,02,225 m<sup>3</sup> of Rough Stone and 46,686 m<sup>3</sup> of Gravel** for the period of five years with an ultimate depth of 38m for a period of five years with an annual peak production capacity of 60750 m<sup>3</sup> of Rough stone as per the mining plan subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC- TN

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 complete the green belt formation within a year of commencement of production.
3. 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.
4. The Project proponent shall furnish slope stability action plan to the concerned AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m below ground level, before obtaining CTO from TNPCB.
5. The Project proponent shall ensure that only controlled blasting operation involving NONEL shock tube initiation system and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
6. The Project proponent shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.450 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
7. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying

on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.

8. Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.
9. The Project proponent shall include the Mine closure activities as an integral part to the whole life-of-mine plan and, also to 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 DEE/TNPCB (or) AD (Mines) annually.
10. 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 furnished.
11. As accepted by the Project proponent the CER cost is Rs.5 lakhs and the amount shall be spent for the committed activities in Panchayat Union Middle School, Desoorpalayam Village before obtaining CTO from TNPCB.

**Agenda No: 301-11**

**(File No: 9295/2022)**

**Proposed Rough Stone quarry lease area over an extent of 2.00.0Ha at S.F.No. 755 (Part) in Panchakshipuram Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.S.M. Harish - For Terms of Reference. (SIA/TN/MIN/77490/2022, dated: 30.05.2022).**

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

**The SEAC noted the following:**

1. The project/activity is covered under Category "B1" 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	Thiru.S.M.Harish S/o. Muniraj D.No. 2/159, H-Settipalli J. Karupalli Post Denkanikottai Taluk

  
MEMBER SECRETARY  
SEAC -TN

15

  
CHAIRMAN  
SEAC- TN

		Krishnagiri District
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone quarry
3.	S.F No. of the quarry site with area break-up	S.F.No.755 (Part)
4.	Village in which situated	Panchakshipuram Village
5.	Taluk in which situated	Hosur Taluk
6.	District in which situated	Krishnagiri District
7.	Extent of Quarry (in ha.)	2.00.0 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. <b>509227 m<sup>3</sup> of Rough Stone.</b> The Annual peak production as per mining plan is 154414 m <sup>3</sup> of rough stone (1 <sup>st</sup> year) .
11.	Latitude & Longitude of all corners of the quarry site	12° 35' 17.30" N to 12° 35' 14.55" N 77° 47' 45.28" E to 77° 47' 40.35" E
12.	Topo sheet No.	57-H/14
13.	Man power requirement per day:	18 Employees
14.	Precise Area Communication approved by the District Collector Pudukkottai District with date	Rc No: 214/2019/Mines dated 13.06.2019.
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc No: 214/2019/Mines dated 11.11.2019.
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc No: 214/2019/Mines dated 11.11.2019.
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	2.0KLD 1.0KLD (Water vendor) 0.5 KLD 0.5 KLD Source : Through road tankers




		supply
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB . 410611 Liters of HSD for the entire period of life
19.	Depth of Mining	50 m (1 m Topsoil + 49 m Rough Stone)
20.	Depth of Water table	65 - 50 m (70 m in Rainy Seasons and 75 m in Summer Season)
21.	Whether any habitation within 300m distance	No
22.	Project cost	RS. 1,86,45,000/-
23.	EMP cost	Rs.3,25,000/-
24.	CER cost	RS.5 lakhs
25.	VAO letter dated	20.01.2022

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

1. The 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 PP shall revise the mining plan with bench geometry of 5m X 5m (or) 7m X 7m with suitable justifications for the deployment of HEMM under the provisions of Reg. 106 of MMR 1961.
3. The PP shall carryout the Green belt development & Fencing shall be completed and the same shall be incorporated in the EIA report.
4. Detailed survey of temples, permanent structures situated in the vicinity of the project site.
5. The PP shall carry out Bio diversity study through reputed institution and the same shall be included in EIA Report.
6. Detailed survey of permanent structures located within 2 Km from the project site shall be included in the EIA report.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
8. The Proponent shall submit a conceptual 'Slope Stability Assessment' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b. Quantity of minerals mined out.
  - c. Highest production achieved in any one year
  - d. Detail of approved depth of mining.
  - e. Actual depth of the mining achieved earlier.
  - f. Name of the person already mined in that leases area.
  - g. If EC and CTO already obtained, the copy of the same shall be submitted.

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

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

28. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
29. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
30. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
31. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
32. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
33. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **appendix-I** in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
34. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
35. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. A Risk Assessment and management Plan shall be prepared and included in the

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC - TN

EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.

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

Agenda No: 301 - 12.

(File No: 9248/2022)

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

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

The SEAC noted the following

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

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


- i. *There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*

  
MEMBER SECRETARY  
SEAC -TN

23

  
CHAIRMAN  
SEAC- TN

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



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

**Agenda No: 301 - 13.**

**(File No: 9325/2022)**

**Proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 2.08.5 Ha at S.F.No. 664/5 & 666/2 of Ananthaperumal Nadanoor Village, Alangulam Taluk, Tenkasi District, Tamil Nadu by Thiru.J.Vincent Arockiyasami for Environmental Clearance (SIA/TN/MIN/272322/2022, Dt.16.05.2022)**

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

(parivesh.nic.in).

The SEAC noted the following

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

Sl. No	Details of the proposal	
1	Name of the Owner/Firm	: Thiru. J.Vincent Arockiya Samy S/o. A.F.Joseph No.12/53A, Railway Feeder Road Ambasamudram Tirunelveli -629004
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone, Jelly and Gravel
3	S.F No. Of the quarry site with area break-up	: 664/5 and 666/2
4	Village in which situated	: Anainthaperumal Nadanoor
5	Taluk in which situated	: Tenkasi
6	District in which situated	: Tirunelveli
7	Extent of quarry (in ha.)	: 2.08.5 Ha
8	Latitude & Longitude of all corners of the quarry site	: 08°49'22.09"N to 08°49'26.51"N 77°24'55.85"E to 77°25'08.11"E
9	Topo Sheet No.	: 58 – H/05
10	Type of mining	: Opencast Semi Mechanized of Mining
11	Period of quarrying proposed	: 5 years
12	Production (Quantity in m <sup>3</sup> )	: The precise area communication was issued for the period of 5 years. The approved mining plan was issued for the period of five years & as per approved mining plan, the production should not exceed 167045 Cu.m of Rough Stone & 28422 Cu.m of Gravel. The annual peak production is 33900 Cu.m of Rough Stone (2 <sup>nd</sup> Year) & 14408 Cu.m of Gravel (2 <sup>nd</sup> Year). The ultimate depth is 27 m BGL.

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC- TN

13	Depth of quarrying	:	27m below ground level
14	Depth of water table	:	66m-63m BGL
15	Man Power requirement per day:		20 Nos.
16	Source of Water Requirement		water vendors & Bore well
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression , Green Belt & Wet Drilling (in KLD)	:	2.5 KLD 1.0KLD  1.0 KLD 0.5 KLD
18	Power requirement		TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, with date	:	Rc.No.M1/51565/2016, dt:07.06.2021
21	Mining Plan approved by Joint Director / Assistant Director (i/c), Department of Geology and Mining with date	:	Rc.No.M1/51565/2016, dt:22.06.2021
22	Joint Director / Assistant Director (i/c), Department of Geology and Mining 500m cluster letter		Rc.No.M1/51565/2016, dt:22.06.2021
23	VAO certificate regarding 300m radius cluster		Letter Furnished
24	Project Cost (excluding EMP cost)	:	Rs.67.54Lakhs
25	EMP cost	:	Capital Cost - Rs.11.90 Lakhs Recurring Cost - Rs.58.8 Lakhs/five years.
26	CER cost		Rs.5.0 Lakhs

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.

2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. Since structure are present at 500 m of the proposed quarry site, 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. The PP shall also ensure that the controlled blasting operation shall be carried in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. Further, the PP shall obtain prior permission to carry out aforesaid controlled blasting operation from the Director of Mines Safety (DMS), Chennai Region before obtaining the CTO.
4. The blasting activities shall be carried out under direct supervision of statutory competent person such as Blaster (or) Mine Mate employed by the proponent only.
5. Within two years of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting 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-CEG Campus, NITK Surathkal - Dept of Mining Engg, and any other 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. In case of renewal of the present lease in another Proponent's name (or) when the lease period is extended beyond 5 years in the name of the same Proponent, the concerned Project Proponent (PP) shall carry out the scientific

studies before commencement of operation, for the quarry having completed the life of 5 years to assess the slope stability of the benches and quarry wall, by involving a reputed Research and Academic Institution such as NIRM, IITs, NITK-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any other CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA at the time of seeking the extension of the validity of EC (or) applying for obtaining EC whichever is applicable with a copy sent to the IRO/MoEF-Chennai, the concerned AD/Geology & Mines, DEE/TNPCB, and Director of Mines Safety (DMS), Chennai as a part of Environmental Compliance without any deviation.

7. Similarly, in case of renewal of the present lease in another Proponent's name (or) when the lease period is extended beyond 5 years in the name of the same Proponent, the concerned Project Proponent (PP) should have carried out the Greenbelt development completely by planting not less than number of trees as stipulated in EMP around the pit limit & haul roads. A report with photographs & videography of such Greenbelt development shall be submitted to the SEIAA at the time of seeking the extension of the validity of EC (or) applying for obtaining EC whichever is applicable with a copy sent to the IRO/MoEF-Chennai, and DEE/TNPCB as a part of Environmental Compliance without any deviation.
8. 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.
9. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Panchayat Union Primary School, Poolankulam Village as committed, before obtaining CTO from TNPCB.

**Agenda No: 301 - 14.**

**(File No: 9269/2022)**

**Proposed Gravel quarry lease over an extent of 4.58.5 Ha at S.F.No. 365/1A & 365/2 Metrathi Village, Madhathukulam Taluk, Tiruppur District, Tamil Nadu by Thiru.A Ravuthar for Environmental Clearance (SIA/TN/MIN/271908/2022, Dt.09.05.2022)**

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

The SEAC noted the following

1. The Project Proponent, Thiru.A Ravuthar has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 4.58.5 Ha at S.F.No. 365/1A & 365/2 Metrathi Village, Madhathukulam Taluk, Tiruppur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication is issued for the period of 3 years. The approved mining plan is for the period of five years & production should not exceed 35396.5 cu.m of Gravel. The annual peak production is 11845.5 Cu.m of Gravel (1<sup>st</sup> year). The ultimate depth is 2 m BGL.


Based on the presentation and documents furnished by the project proponent, SEAC decided to call for following additional particulars for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment and the same shall be authorised by AD/DD, Geology & Mining Dept., Cuddalore District.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.
3. DFO letter regard to proximity of nearby forest area.
4. To furnish copy of certificate obtained from Director General of Mine safety considering nearby habitats and building structures within 300m radius of the proposed mining area.

**Agenda No: 301-15**

**(File No: 9251/2022)**

**proposed Rough Stone and Gravel quarry over an extent of 0.88.4Ha (Patta land) in S.F.No.31/1B, 31/1C(Part), 31/1E1(Part) and 31/1E2 (Part) of Nallur Village, Pollachi Taluk and Coimbatore District by Thiru.T.Pasupathi - For Environmental Clearance. (SIA/TN/MIN/272021/2022, dated: 10.05.2022)**

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC - TN

The proposal was placed for appraisal in this 301<sup>st</sup> meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.T.Pasupathi has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry over an extent of 0.88.4Ha (Patta land) in S.F.No.31/1B, 31/1C(Part), 31/1E1(Part) and 31/1E2 (Part) of Nallur Village, Pollachi Taluk and Coimbatore 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.

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

1. The PP shall furnish the certified compliance report obtained from MoEF&CC/TNPCB for the existing EC issued.
2. Since the Anamalai Tiger Reserve is located at a distance of 9.33 km away & its ESZ is yet to be notified, the PP shall obtain NBWL Clearance.

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

**Agenda No: 301-16**  
**(File No: 9258/2022)**

**Proposed Rough Stone quarry over an extent of 0.97.0Ha of (Government lands) in S.F.No.358/ 1 of Nagalapuram Village, Thuraiyur Taluk, Tiruchirappalli District by Thiru.G.Manikanadan - For Environmental Clearance. (SIA/TN/MIN/272420/2022, dated: 12.05.2022)**

The proposal was placed for appraisal in this 301<sup>st</sup> meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.G.Manikanadan has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

of 0.97.0Ha at S.F.Nos. 358/1 of Nagalapuram Village, Thulaiyur Taluk, Tiruchirappalli 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.

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

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

The Committee noted that the project site is abutting the Kurinichimalai Reserve Forest and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal.**

**Agenda No: 301-17**

**(File No: 9279/2022)**

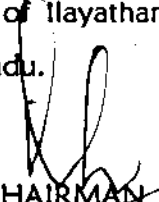
**Proposed Existing Multi Coloured Granite Quarry Project - 1.33.0Ha, S.F.Nos. 367/20, 367/22, 368/12A, 368/12B, 368/13, 368/14, 368/15, 368/16, 368/17, 370/8, 370/9, 370/10 and 370/11, Ilayathankudi (North) Village, Thirupattur Taluk, Sivagangai District by Thiru. D. Loganathan - For Environmental Clearance. (SIA/TN/MIN/272589/2022, dated: 23.05.2022)**

The proposal was placed for appraisal in this 301<sup>st</sup> meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. D. Loganathan has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.33.0Ha at S.F.Nos. 367/20, 367/22, 368/12A, 368/12B, 368/13, 368/14, 368/15, 368/16, 368/17, 370/8, 370/9, 370/10 and 370/11 of Ilayathankudi (North) Village, Thirupattur Taluk, Sivagangai District, Tamil Nadu.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN



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

During the meeting, the project proponent stated that he would withdraw the proposal. Based on the above, the committee decided that remit the proposal back to SEIAA.

**Agenda No: 301-18**

**(File No: 9307/2022)**

**Proposed Change in Product Mix and Expansion within Existing Pharmaceutical Unit with a capacity of 0.26413 T/M over an extent of 0.749 ha at S.No.157 and 158, Plot No.111, SIDCO Industrial Estate, Kakkalur Village, Thiruvallur Taluk, Thiruvallur District by M/s. Nuray Chemicals Pvt. Ltd. - For grant of Terms of Reference. (SIA/TN/MIN/77191/2022, dated: 23.05.2022)**

The proposal was placed for appraisal in this 301<sup>st</sup> meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Nuray Chemicals Pvt. Ltd has applied for Terms of Reference for the Proposed Change in Product Mix and Expansion within Existing Pharmaceutical Unit at S.No.157 and 158, Plot No.111, SIDCO Industrial Estate, Kakkalur Village, Thiruvallur Taluk, Thiruvallur District, Tamil Nadu.
2. The project/activity is covered under Schedule 5(f) Category 'B'- Synthetic Organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic synthetic organic chemicals and chemicals intermediate)" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, SEAC recommended grant of Terms of Reference (TOR) without Public Hearing since the project comes under Item No 5(f) of the Schedule and located in the Kakkalur SIDCO Industrial Estate and hence decided to exempt the project from public consultation process subject to the following TORs, in addition to the standard terms of reference for EIA study for 5(f)

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

synthetic organic chemicals Industry projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. Details regarding the Environmental policy of the Company shall be furnished.
2. The details regarding any intervention in the process and the ways in which the company had handled the situation within last three years.
3. Explore the possibilities of using alternate fuels like LNG for the process.
4. Restore the ponds nearby the unit.
5. Identify the vacant lands in and around SIDCO Estate and furnish the proposal for tree plantation to achieve a minimum green coverage of 15%.
6. Enumerate on the details of the Raw material used and the final product and by-products for individual batches, including pollutants generated and how they are handled and disposed of.
7. Name of all the solvents to be used in the process and details of solvent recovery system.
8. Details of safety audit, solvent storage safety permission.
9. Commitment letter from either SIDCO, municipality or TWAD board for Water source shall be furnished.
10. The proposed site looks congested and hence space shall be optimized.
11. Solar panels must cover 75% of the roof top area.
12. Cumulative Pollution Index for other industry shall be studied and reported.
13. Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.
14. Ambient air quality monitoring at 6 locations within the study area of 5 km., aerial coverage from project site as per NAAQES notified on 16th September, 2009. Location of one AAQMS in downwind direction.
15. Design details of ETP, incinerator, boiler, scrubbers /bag filters etc.
16. Details of water and air pollution and its mitigation plan.
17. Action plan to control ambient air quality as per NAAQES Standards notified by the Ministry on 16th September, 2009.
18. An action plan to control and monitor secondary fugitive emissions from all the sources.
19. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. Air quality modelling for the proposed plant.
20. Action plan for 'Zero' discharge of effluent should be included.
21. Ground water quality monitoring minimum at 6 locations should be carried out. Geological features and Geo-hydrological status of the study area and ecological status (Terrestrial and Aquatic).
22. The details of solid and hazardous wastes generation, storage, utilization and disposal particularly related to the hazardous waste calorific value of hazardous

- waste and detailed characteristics of the hazardous waste. Details on accumulated solid waste if any due to previous activity.
23. Action plan for the management of fly ash generated from boiler should be included.
  24. Precautions to be taken during storage and transportation of hazardous chemicals should be clearly mentioned and incorporated.
  25. Authorization/Membership for the disposal of liquid effluent in CETP and solid/hazardous waste in TSDF, if any.
  26. Material Safety Data Sheet for all the Chemicals are being used/will be used. CAS No./RTECS No./DOT/UN etc to be mentioned against each chemicals.
  27. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
  28. Risk assessment for storage for chemicals/solvents. Action plan for handling & safety system.
  29. Action plan for rainwater harvesting measures at plant site shall be included to harvest rainwater from the roof tops and storm water drains to recharge the ground water.
  30. Details of occupational health programme.
    - i) Chemicals to which workers are exposed directly or indirectly.
    - ii) Whether these chemicals are within Threshold Limit Values (TLV)/ Permissible Exposure Levels as per ACGIH recommendation.
    - iii) What measures company have taken to keep these chemicals within PEL/TLV.
    - iv) How the workers are evaluated concerning their exposure to chemicals during pre-placement and periodical medical monitoring.
    - v) What are onsite and offsite emergency plan during chemical disaster.
    - vi) Liver function tests (LFT) during pre-placement and periodical examination.
    - vii) Details of occupational health surveillance programme.
  31. Socio-economic development activities should be in place.
  32. Note on compliance to the recommendations mentioned in the CREP guidelines.
  33. Detailed Environment management Plan (EMP) with specific reference to details of air pollution control system, water & wastewater management, monitoring frequency, responsibility and time bound implementation plan for mitigation measure should be provided.
  34. EMP should include the concept of waste-minimization, recycle / reuse / recover techniques, Energy conservation, and natural resource conservation.
  35. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof.

**Agenda No: 301-19**

**(File No: 9254/2022)**

**Proposed Rough Stone & Gravel quarry lease area over an extent of 0.81.0 Ha at S.F.Nos. 995/1B (Part) in Virachilai 1 Pit Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. V.Nallaiya - For Environmental Clearance.**

  
MEMBER SECRETARY  
SEAC -TN

35

  
CHAIRMAN  
SEAC -TN

(SIA/TN/MIN/269909/2022, dated: 27.04.2022).

The proposal was placed in this 301<sup>st</sup> Meeting of SEAC held on 06.08.2022. The details of the project furnished by the proponent are available on the website ([www.parivesh.nic.in](http://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 Projects" of the Schedule to the EIA Notification, 2006.

Sl No	Details of the proposal	
1.	Name of the Owner / Firm	Thiru. V.Nallaiya S/o. Vellaisamy, No.1/75, Vadakutheru, V. Lakshmipuram Post, Neikonam, Thirumayam Taluk, Pudukkottai District - 622 412
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. 995/1B (Part)
4.	Village in which situated	Virachilai I Pit Village
5.	Taluk in which situated	Thirumayam Taluk
6.	District in which situated	Pudukkottai District
7.	Extent of Quarry (in ha.)	0.81.0 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast semi Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. 31,190 m <sup>3</sup> of Rough Stone and 11,550 m <sup>3</sup> of Gravel. The Annual peak production as per the mining plan is 7710 m <sup>3</sup> of rough stone (3 <sup>rd</sup> year) & 7392 m <sup>3</sup> of gravel (2 <sup>nd</sup> year)
11.	Latitude & Longitude of all corners of the quarry site	10°17'04.05" N to 10°17'10.47" N 78°43'23.44"E to 78°43'26.20" E
12.	Topo sheet No.	58 - J/11
13.	Man power requirement per	18 Employees

	day:	
14.	Precise Area Communication approved by the District Collector Pudukkottai District with date	Rc.No.128/2022 (G&M) dated 17.03.2022.
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.128/2022 (G&M) dated 04.04.202
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No.128/2022 (G&M) dated 04.04.2022
17.	Depth of Mining	23.0 m
18.	Depth of Water table	70 - 75 m (70 m in Rainy Seasons and 75 m in Summer Season)
19.	Project cost (excluding EMP cost)	RS. 31,98,000 /-
20.	EMP cost	Rs. 11,60,000 /-
21.	CER cost	RS.5 lakhs
22.	VAO letter dated	19.04.2022

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 production of 31,190 m<sup>3</sup> of Rough Stone and 11,550 m<sup>3</sup> of Gravel for an ultimate depth of 23 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. Tree plantation & fencing around the mine lease area shall be completed before the commencement of quarrying operation.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN,  
SEAC- TN

4. The PP shall ensure that only controlled blasting operation involving muffle blasting is carried out in the quarry such that no fly rock travel beyond 30 m from the blast site.
5. The blasting activities shall be carried out under direct supervision of statutory competent person such as Blaster (or) Mine Mate employed by the proponent only.
6. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 40 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.375 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of at least 30 minutes is maintained between these rounds of blast.
7. 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.
8. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for providing fencing & hand pump for the burial ground located on the southern side of the mining lease area, before obtaining CTO from TNPCB.

**Agenda No: 301-20**

**(File No: 9275/2022)**

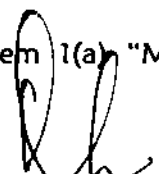
**Proposed Rough Stone and Gravel quarry lease over an extent of 0.52.0 Ha at S.F.No. 1038/15 of Kanjikoil Village, Perundurai Taluk, Erode District, Tamil Nadu by Thiru. V. Nagarajan – For Environmental Clearance. (SIA/TN/MIN/ 273182/2022, dated 23.05.2022)**

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

**The SEAC noted the following:**

1. The Project Proponent, Thiru. V. Nagarajan has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 0.52.0 Ha at S.F.No. 1038/15 of Kanjikoil Village, Perundurai Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

Based on the presentation and documents furnished by the project proponent, SEAC noted that the lease applied area was already quarried to a depth of 32 m unscientifically and unsystematically without the proper formation of benches. The SEAC after detailed deliberation decided not to recommend the proposal considering the non-existence of safe environment and the impracticability of mining operations in the proposed quarry lease.

**Agenda No: 301-21**

**(File No: 6629/2018)**


**Proposed Sand Quarry lease over an extent of 11.00.0 Ha at S.F.No. 198(Part) of Enathimangalam Village, Tirukoilur Taluk, Viluppuram District, Tamil Nadu by M/S The Executive Engineer, Public Works Department, (WRO), Mines and Monitoring Division – For Environmental Clearance. (SIA/TN/MIN/80828/2018, dated 16.07.2022)**

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

**The SEAC noted the following:**

1. The Project Proponent, M/S. The Executive Engineer, Public Works Department, (WRO), Mines and Monitoring Division has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 11.00.0 Ha at S.F.No. 198(Part) of Enathimangalam Village, Tirukoilur Taluk, Viluppuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The project proponent has applied and obtained Terms of Reference along with Public consultation vide Lr.No.SEIAA-TN/F.No.6629/SEAC/TOR-657/2019 dated 06.11.2019.
4. Public hearing was conducted on 02.06.2022 and a copy of the minutes is enclosed in the application.

Based on the documents furnished and the presentation made by the proponent, the SEAC, after detailed deliberations, decided to make an on-spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Further, the PP shall furnish the following details during the site inspection.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC-TN

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.
2. In the PARIVESH portal, it was noted that another application for the same area was applied vide proposal No. SIA/TN/MIN/75447/2018 dated 16.06.2018 and the status of the same shall be furnished.

**Agenda No: 301-22**

**(File No: 9400/2022)**

**Proposed Sand Quarry lease over an extent of 4.80.0 Ha at S.F.No. 1/1(P) of Vanamadevi Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by M/S The Executive Engineer, Public Works Department, (WRO), Mines and Monitoring Division – For Environmental Clearance. (SIA/TN/MIN/284025/2022, dated 18.07.2022)**

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

**The SEAC noted the following:**

1. The Project Proponent, M/S. The Executive Engineer, Public Works Department, (WRO), Mines and Monitoring Division has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 4.80.0 Ha at S.F.No. 1/1(P) of Vanamadevi Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the documents furnished and the presentation made by the proponent, the SEAC, after detailed deliberations, decided to make an on-spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Further, the PP shall furnish the following details during the site inspection.

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.

**Agenda No: 301-23**

**(File No: 9399/2022)**

**Proposed Sand Quarry lease over an extent of 4.98.75 Ha at S.F.No. 1 ( Ward A, Block-24) of Vanpakkam II Village, Panruti Taluk, Cuddalore District, Tamil Nadu by**

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



**M/S The Executive Engineer, Public Works Department, (WRO), Mines and Monitoring Division – For Environmental Clearance. (SIA/TN/MIN/274036/2022, dated 16.07.2022)**

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

**The SEAC noted the following:**

1. The Project Proponent, M/S. The Executive Engineer, Public Works Department, (WRO), Mines and Monitoring Division has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 4.98.75 Ha at S.F.No. 1 ( Ward A, Block-24) of Vanpakkam II Village, Panruti Taluk, Cuddalore District, Tamil Nadu
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.

Based on the documents furnished and the presentation made by the proponent, the SEAC, after detailed deliberations, decided to make an on-spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Further, the PP shall furnish the following details during the site inspection.

1. The Project Proponent shall study and report in detail on the “Replenishment Study” as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.

**Agenda No: 301-24**

**(File No: 9403/2022)**

**Proposed Sand quarry over an extent of 4.98.0 Ha in Vaippar river located at S.F.Nos. 144 (P), Perilovanpatti Village, Ettaiyapuram Taluk, Thoothukudi District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/282664/2022 Dt. 09.07.2022)**

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

**The SEAC noted the following:**

1. The Proponent, Executive Engineer, PWD/WRD, has applied for Environmental Clearance for the proposed Sand quarry over an extent of 4.98.0 Ha in Vaippar river located at S.F.Nos. 144 (P), Perilovanpatti Village,

  
MEMBER SECRETARY  
SEAC -TN

41

  
CHAIRMAN  
SEAC -TN

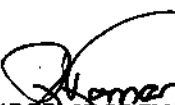
Ettaiyapuram Taluk, Thoothukudi District, Tamil Nadu.

2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is one year and the mining plan for the period of One year & mining quantity should not exceed 51,954 cu.m. of sand. The ultimate depth 1 metres below bed level.

Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. Further, the PP shall furnish the following details during the site inspection.

1. The Project Proponent shall study and report in detail on the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.

On receipt of the Sub Committee report further deliberation will be done.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC - TN

## 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.


  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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

daytime. 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

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC- TN

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 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.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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

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



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

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

## Appendix –II

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

கரங்கம்

கரங்கத்தில் குவாரி செயல்பாடுகளுக்கான கற்றுத்தழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/\_\_\_\_, தேதியிடப்பட்டு, கற்றுத்தழல் அனுமதி \_\_\_\_\_ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகனம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	குவாரியின் எல்லைவைச் சுற்றி வேலி அமைக்க வேண்டும்
தட்ப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	கரங்கப்பகுதியின் ஆழம் தரையமட்டத்திலிருந்து _____ மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறைமையாக தண்ணீர் லாடிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அமைவதும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லைவைச் சுற்றி அடத்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது நில அதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்றும் சுற்றும் பறக்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
கரங்க எட்ட விரிதிகள் எவன் கீழ் கரங்கத்தில் உண்ட பணிகளுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதுரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வாரியாக வாகனங்கள் செல்லும் சாலைவாய் தொடர்த்து நல்ல பராமரிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்ந்திலைகள் பாதிக்கப்படக் கூடாது.	
தீர்ந்திலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்தும் வளையில் திலத்தடி தீரின் தரத்தினை தொடர்த்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கவிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டபின் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விளைகுகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகனம்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாதிவேஷ ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ) வந்திடு இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித கற்றுத்தழல் சார்ந்த பணிகளுக்கு சென்னையில் உள்ள கற்றுத்தழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 – 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தழல் செயரிபாளரை அணுகவும்.	

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN