

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the Meeting of 281st State Expert Appraisal Committee (SEAC) held on 3rd June 2022 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for Appraisal of Building and Construction Projects, Townships and Area Development Projects & Mining projects through online and offline mode.

Agenda No: 281-01

(File No: 9005/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.89.79 Ha at S.F.No. 108/1(P) of Srimulakkarai Village, Srivaikuntam Taluk, Thoothukudi District, Tamil Nadu by Thiru Allen Samuel Raja - For Environmental Clearance. (SIA/TN/MIN/256767/2022 dated 15.02.2022)

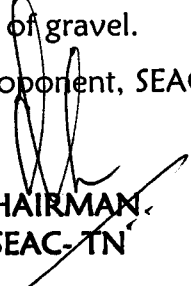
The proposal was placed in this 281st Meeting of SEAC held on 03.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru Allen Samuel Raja has applied has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 2.89.79 Ha at S.F.No. 108/1(P) of Srimulakkarai Village, Srivaikuntam Taluk, Thoothukudi 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 5,88,450 cu.m of Rough Stone and 47,958 cu.m of Gravel with an ultimate depth of mining is fixed at 47m below ground level (2m Gravel + 45m Rough stone). The Annual peak production as per mining plan is 129150 cu.m. of rough stone & 20832cu.m of gravel.

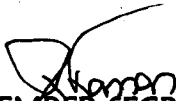
Based on the presentation and document furnished by the project proponent, SEAC


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decided to recommend the proposal for the grant of Environmental Clearance, subject to the normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m, by involving a reputed Research / Academic Institution such as NIRM, IITs, NITs, Anna University Chennai –CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
4. The PP shall ensure that only controlled blasting operation involving line drilling and muffle blasting is carried out in the quarry such that no fly rock travel beyond 30 m from the blast site.
5. The project proponent shall deposit an amount of Rs. 10.00 lakh to DFO, Thoothukudi, for undertaking remedial measures since the site lies within the 10 kilometers (3.30 km) eco-sensitive zone of Vallanadu Reserve Forest.
6. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
5. 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


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Govt. in the form of Short Term Permit (STP), Query license or any other name.

6. 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.
7. 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.
8. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
9. The 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.
10. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
11. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in


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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.

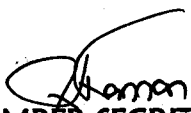
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
14. **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


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be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. 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.
21. 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.


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22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.


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29. 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.

30. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).

Agenda No. 281/02

(File No. 9006/2022)

Proposed Earth/Red Soil quarry lease over an extent of 2.14.0 Ha at S.F.No. 387/1 of S. Vagaikulam Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Thiru R. Shanmugaraja - For Environmental Clearance.

(SIA/ TN/ MIN/ 256907/ 2022/ dated 16.02.2022)

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

The SEAC noted the following:

1. The Project Proponent, Thiru R. Shanmugaraja has applied for Environmental Clearance for the proposed Earth/Red Soil quarry lease over an extent of 2.14.0 Ha at S.F.No. 387/1 of S. Vagaikulam Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the the lease period is for 3 years. The production for the two years states that the total quantity of recoverable should not exceed


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31,280 cu.m of Earth/Red Soil with an ultimate depth of mining is fixed at 2m below ground level. The Annual peak production as per mining plan shall not exceed 10944m³ of Earth/Red Soil.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, subject to the standard conditions as per the **Annexure** of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The statutory competent person (Mine Mate or Mine Foreman) shall be appointed before commencement of quarrying operation.
3. The PP must ensure No Surface run-offs / wash offs to nearby nallah/odai (or) agricultural fields.
4. The PP shall make necessary arrangements for planting not less than 1200 no of trees in and around the project site, sides of haulage road and nearby school premises during the execution of quarrying work.
5. The project proponent shall deposit Rs. 3 Lakhs to Wild Life Warden, Ramanathapuram, since GOM Marine National Park eco-sensitive zone is located at a distance within 10km.
6. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
7. 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.


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8. 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.
9. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six 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. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.


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14. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
18. 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.
19. 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.
20. 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.

21. 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.
22. 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.
23. 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.
24. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
25. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
26. 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.
27. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and

O.A.No.405/2016 and O.A.No.520 of 2016(M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).

Agenda No. 281-03

(File No. 9007/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.05.50 Ha at S.F.No. 50/1A of Ekkattampalayam Village, Perundurai Taluk, Erode District, Tamil Nadu by Thiru P. Jagadeesan - for Environmental Clearance.

(SIA/ TN/ MIN/ 256937/ 2022/ dated 16.02.2022)

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

The SEAC noted the following:

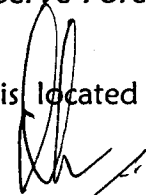
1. The Project Proponent, Thiru P. Jagadeesan has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.05.50 Ha at S.F.No. 50/1A of Ekkattampalayam Village, Perundurai Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification,2006.

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 Chennimalai Reserve Forest is located at a


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distance of 75m North West from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided **not to recommend the proposal.**

Agenda No. 281-04

(File No: 9008/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 2.45.5 Ha at S.F.Nos. 227/2 & 228/2B1B of Ingur Village, Perundurai Taluk, Erode District, Tamil Nadu by Thiru V.K. Palanisamy - For Environmental Clearance.

(SIA/TN/MIN/256836/2022 dated 16.02.2022)

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

The SEAC noted the following:

1. The Project Proponent, Thiru V.K. Palanisamy has applied for the grant of EC for proposed Rough Stone & Gravel quarry lease over an extent of 2.45.5 Ha at S.F.Nos. 227/2 & 228/2B1B of Ingur 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.

The Committee noted that this project site surrounded by SIPCOT industries area on all directions within the radial distance of 300 m from the proposed quarry site. The Committee, therefore, decided **not to recommend the proposal.**

Agenda No. 281/05

(File No. 9009/2022)

Proposed Black Granite quarry over an extent of 2.69.0 Ha in S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 & 1/11, In Siruvadi Village, Marakkanam (formerly Tindivanam) Taluk, Villupuram District, Tamil Nadu by Thiru S. Sumanth Ram - For Environmental Clearance.


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(SIA/TN/MIN/253892/2022 dated: 29.01.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru. S. Sumanth Ram has applied for Environmental Clearance for the proposed Black Granite quarry lease over an extent of 2.69.0 Ha in S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 & 1/11 in Siruvadi Village, Marakkanam (formerly Tindivanam) Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

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

- (i) The project proponent shall obtain consent from all the pattadhars and shall get the same registered, since the mining lease which was originally granted to Thiru.R.Sriram, who expired on 31.08.2019.

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

Agenda No. 281-06

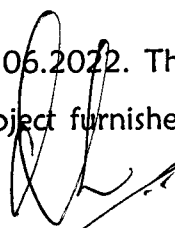
(File No. 9012/2022)

Proposed Rough Stone and Gravel quarry over an extent of 1.14.9 Ha in S.F.Nos. 54/1B1A, 64/4B, 64/4D and 64/5B1 of Kulasekarankottai Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru M.K. Annadurai - For Environmental Clearance.

(SIA/TN/MIN/257020/2022/dated 17.02.2022)

The proposal was placed in this 281st Meeting of SEAC held on 03.06.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, Thiru M.K. Annadurai has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.14.9 Ha in S.F.Nos. 54/1B1A, 64/4B, 64/4D and 64/5B1 of Kulasekarankottai Village, Vadipatti Taluk, Madurai District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

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".

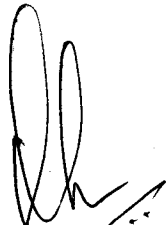
The Committee noted that the Kulasekarankottai Reserve Forest is located at a distance of 400m from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided **not to recommend the proposal.**

Agenda No.281-07

(File No. 9017/2022)

Proposed Rough stone and Gravel quarry project over an extent of 4.52.0 Ha in S.F.Nos. 3/1, 3/2 & 4/1 of Viralipatti Village, Nilakkottai Taluk, Dindigul District, Tamil Nadu by Thiru Adyar Granites - For Environmental Clearance (SIA/TN/MIN/254415/2022 dated: 17.02.2022)


**MEMBER SECRETARY
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**CHAIRMAN
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The proposal was placed in this 281st Meeting of SEAC held on 03.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Adyar Granites has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 4.52.0 Ha in S.F.Nos. 3/1, 3/2 & 4/1 of Viralipatti Village, Nilakkottai Taluk, Dindigul District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. There is a poultry unit located at a distance of 220m from this project site.
4. No Mining Plan is uploaded in the official portal of SEIAA-TN of MoEF & CC by the PP.

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


1. The project proponent shall upload Mining Plan in parivesh portal website (parivesh.nic.in).
2. The project proponent shall furnish details of all the structures 300 m radial distance from the proposed quarry site.


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

Agenda No. 281-08

(File No. 9018/2022)

Proposed Gravel quarry lease over an extent of 3.20.0 Ha at S.F.Nos. 117/3, 117/4, 117/5 & 112 of T. Pudukkottai Village, Manamadurai Taluk, Sivagangai District, Tamil Nadu by Thiru.K.Neelamegam - For Environmental Clearance. (SIA/TN/MIN/257294/2022 dated 18.02.2022)


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

The SEAC noted the following:

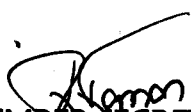
1. The project proponent, Thiru K. Neelmegam has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of an extent of 3.20.0 Ha at S.F.Nos. 117/3, 117/4, 117/5 & 112 of T. Pudukkottai Village, Manamadurai Taluk, Sivagangai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

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

1. Letter from any accredited Mine Surveyor or Irrigation Department, indicating the distance from the proposed quarry site to the nearby river course.
2. The project proponent shall furnish soil analysis report obtained from **anyone of the following test laboratories** authorized by the Director of Geology and Mining.

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

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


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Agenda No. 281-9

(File No. 9019/2022)

Proposed Earth quarry lease over an extent of 0.97.72 Ha in S.F.Nos. 16/1, 16/2, 16/3, 16/4, 19/11, 19/17, 19/20(Part) & 19/21 of Kiliyanur Village, Chidambarm Taluk, Cuddalore District, Tamil Nadu by Thiru R. Sivakumar- For Environmental Clearance (SIA/TN/MIN/ 257496/2022 dated 19.02.2022)

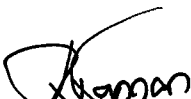
The proposal was placed in this 281st Meeting of SEAC held on 03.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru R. Sivakumar has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 0.97.72 Ha in S.F.Nos. 16/1, 16/2, 16/3, 16/4, 19/11, 19/17, 19/20(Part) & 19/21 of Kiliyanur Village, Chidambarm Taluk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.


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.*


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- 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.*


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

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

2. The proponent should also 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 it does not fall under any notified/declared protected zones in terms of the above Judgment.


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Agenda No. 281/10

(File No. 9023/2022)

Proposed Brick Earth quarry lease over an extent of 1.18.5 Ha at S.F.Nos. 6/5B, 6/6A, 6/6B, 6/10A, 6/10C & 6/10G of Melparthibanur Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru .K. Pitchai - For Environmental clearance.

(SIA/TN/MIN/256969/2022 dated 18.02.2022)

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

The SEAC noted the following:

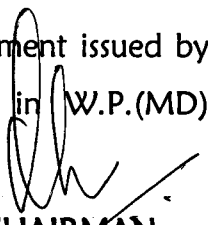
1. The project proponent, Thiru K. Pitchai has applied for Environmental Clearance for the proposed Brick Earth quarry lease over an extent of 1.18.5 Ha at S.F.Nos. 6/5B, 6/6A, 6/6B, 6/10A, 6/10C & 6/10G of Melparthibanur Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu .
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the project proponent, SEAC has done detailed analysis with soil test report and found the sample contains silt & clay of 64%. The committee decided to ask for the following additional details from the Project Proponent.

- (i) The project proponent shall submit a revised 500m radius cluster certificate obtained from AD, Geology and Mining, since in letter submitted by the proponent the proposed quarry is mentioned as Nil.
- (ii) The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not fall under any notified/declared protected zones in terms of Judgement issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD)


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Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021.

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

Agenda No. 281-11

(File No. 9025/2022)

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

(SIA/TN/MIN/257897/2022 dated 23.02.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru M.M. Ravi Mannar has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 1.09.5 Ha at S.F.Nos. 245/2, 245/3, 245/4, 245/5, 245/4A, 258/1J & 258/3 of Vazhuthigaimedu Village, Ponneri Taluk, Thiruvallur District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The Kosasthalaiyar River is flowing at a distance of 437 m from the proposed quarry site.

Based on the presentation and document furnished by the project proponent, SEAC has done detailed analysis with soil test report and found the soil is classified as High Plastic Clay (CH) category Earth. The committee decided to ask for the following additional details from the Project Proponent.

- (i) The proponent should produce a letter from the Department of


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Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not fall under any notified/declared protected zones in terms of Judgement issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021.

- (ii) The project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the distance between the nearest R.F and the proposed quarry site.
- (iii) The project proponent shall furnish registered consent document for land. On receipt of the above details, SEAC would further deliberate on this project and decide the further course of action.

Agenda No. 281-12

(File No. 9026/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.64.5 Ha at S.F.Nos. 563/1A, 563/1B, 570/12, 571/3 & 571/4 of Lembalakudi Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru K. Karthikumar - for Environmental clearance.

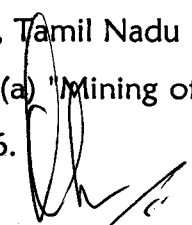
(SIA/TN/MIN/ 257684/2022 dated 21.02.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru K. Karthikumar has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.64.5 Ha at S.F.Nos. 563/1A, 563/1B, 570/12, 571/3 & 571/4 of Lembalakudi Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.


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

- (i) The project proponent shall furnish certified compliance report.
- (ii) The project proponent shall furnish action plan for the realignment of benches (or) the slope stabilization and protective measures in previously quarried mine.
- (i) The project proponent shall install the fencing completely around the quarried mine.
- (iii) The project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the distance between the nearest R.F and the proposed quarry site.
- (iv) The project proponent shall conduct a survey in the 500 m radial distance from the proposed quarry site and submit a detailed report about the existence of permanent structures/habitats and its construction details & residents.

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

Agenda No. 281/13

(File No. 9027/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.80.0 Ha at S.F.No. 995/1A of Virachilai (Pit-I) Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru R. Karuppia - For Environmental Clearance. (SIA/TN/MIN/257694/2022/dated 21.02.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru R. Karuppia has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an


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extent of 0.80.0 Ha at S.F.No.995/1A of Virachilai (Pit-I) Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu.

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

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

- (i) The project proponent shall furnish documentary evidence from the concerned District Forest Officer showing the distance between the nearest R.F and the proposed quarry site.

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

Agenda No. 281/14

(File No. 9029/2022)

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

(SIA/TN/MIN/ 257810/2022 dated 22.02.2022)

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

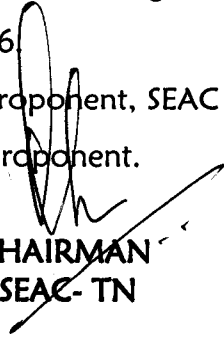
The SEAC noted the following:

1. The project proponent, Thiru A.J. Sakthi has applied for Environmental Clearance for the proposed Gravel, Laterite an Pebbles quarry lease over an extent of 2.15.0 Ha at S.F.Nos. 110/1 & 111/3A of Vilangalpattu Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

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


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

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

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

Agenda No. 281/15

(File No. 9030/2022)

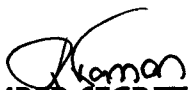
Proposed Gravel quarry over an extent of 1.28.0 Ha in S.F.No.116/1 of Thiruvanthipuum Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru. P. Muthukumaran- for Environmental Clearance.

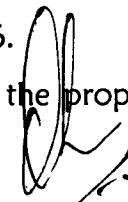
(SIA/TN/MIN/ 257808/2022 dated: 22.02.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru P. Muthukumaran has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.28.0 Ha in S.F.No. 116/1 of Thiruvanthipuum Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The **Gadilam River** is flowing at a distance of 1.15 km from the proposed


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quarry site.

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

- i. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not fall under any notified/declared protected zones in terms of Judgement issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021.
- ii. The project proponent shall furnish soil analysis report indicating the composition/component of the minerals proposed to be quarried obtained from **anyone of the following test laboratories** authorized by the Director of Geology and Mining as directed in the above Judgment.

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

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

Agenda No. 281/16

(File No. 9031/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.86.5 Ha at S.F.No. 20/1 of Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru R. suresh - for Environmental clearance.

(SIA/TN/MIN/ 256841/2022 dated 16.02.2022)

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


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The SEAC noted the following:

1. The project proponent, Thiru R. Suresh has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 0.86.5 Ha at S.F.No. 20/1 of Chinnakallipatti Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

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

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

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

Agenda No. 281/17

(File No. 9035/2022)

Proposed Gravel quarry over an extent of 3.28.0 Ha in S.F.Nos. 222/4, 222/6, 225/1, 226/1, 226/2, 227/4 & 227/5 of Vellaiyampatti Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. M. Bharanidharan – For Environmental Clearance.

(SIA/TN/MIN/ 257858/2022 dated: 22.02.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru M. Bharaniharan has applied for Environmental


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Clearance for the proposed Gravel quarry lease over an extent of 3.28.0 Ha in S.F.Nos. 222/4, 222/6, 225/1, 226/1, 226/2, 227/4 & 227/5 of Vellaiyampatti Village, Salem Taluk, Salem District, Tamil Nadu

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

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

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

1.	Regional Testing Laboratory, Anaimeadu, Salem – 635001.
2.	Department of Civil Engineering, Govt College of Engineering, Karuppur, Salem – 636011.
3.	Department of Civil Engineering, Govt College of Technology, Coimbatore – 620015.

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

Agenda No. 281/18

(File No. 9040/2022)

Proposed Black Granite (Dolerite) quarry over an extent of 3.06.0 Ha in S.F.Nos. 22/1, 23/1,2, 24/4,8, 25/1 & 25/2 of Semmedu Village, Vikravandi Taluk, Villupuram District, Tamil Nadu by M/s. Stone Trust Enterprises -For Environmental Clearance.

(SIA/TN/MIN/256739/2022/dated 15.02.2022)

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

The SEAC noted the following:


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1. The project proponent M/s. Stone Trust Enterprises has applied for Environmental Clearance for the proposed Black Granite quarry lease over an extent of 3.06.0 Ha in S.F.Nos. 22/1, 23/1,2, 24/4,8, 25/1 & 25/2 of Semmedu Village, Vikravandi Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the lease period is for 20 years. The production for the five years states that the total quantity of recoverable should not exceed 30,105 cu.m. (ROM), with Granite Reserve of 6,021 cu.m @ 20% with an ultimate depth of mining is 7m below ground level. The Annual peak production as per mining plan is 1221cu.m of black granite quarry.
4. The PP have carried out a comprehensive slope stability study for the proposed dimensional stone black granite quarry by involving the National Institute of Rock Mechanics (NIRM), KGF.
5. The PP have also carried out the Hydrological Investigations through Department of Geology, University of Madras for obtaining detailed information on ground water occurrence and impact on surrounding water bodies at the proposed quarry site.
6. As directed by the District Collector, Villupuram, the Executive Engineer, PWD, WRD, Lower Pennaiyar Basin Division have inspected the site and issued NOC for the proposed quarry site.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, subject to the 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.


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2. The PP shall extract the dimensional stone blocks through non-explosive techniques such that the surrounding structures are not impacted.
3. The PP shall install the surface drains (Gallery drainage) around the boundary of the proposed quarry and all visible (or) identified tension cracks should be filled up to restrict the rain water entry through the slopes during the operational stage.
4. The PP shall conduct a Slope Stability study after a period of two years from the commencement of quarrying operation through any reputed scientific institution such as NIRM, IITs, NITs, Anna University Chennai – CEG Campus, to study the efficacy of the implementation of the recommendations as suggested by the NIRM for the safe quarrying operation.
5. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP of Lakhs as committed.
6. As accepted by the Project Proponent the revised CER cost is Rs. 10 lakhs and the amount shall be spent for Government Middle School, Semmedu before obtaining CTO from TNPCB.

Sl. No.	Description
1	Construction of New Toilets
2	Providing Computer, Desk and Office Furniture's
3	Carrying out fodder plantation in Meikkal poramboke land with water arrangements
4	Providing Environmental Related Books to Library
5	Plantation in the school boundary @ 500 Nos Trees
6	Renovation of School Compound Wall and terracotta painting with environmental awareness slogans

7. The project proponent shall submit EC compliance report to TNPCB for earlier quarrying operations before obtaining CTO.


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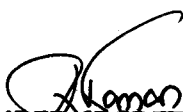
8. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
9. The proponent shall erect fencing all around the boundary 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.
10. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
11. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
12. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.


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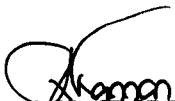
Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.

13. 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.
14. 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.
15. 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.
16. 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.
17. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper espacement as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.


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18. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using the detonating cord/fuse of low grammage PETN (or) Gun powder (or) safety fuse for the extraction of the granite blocks in the quarry. However, the proponent shall use NONEL based shock tube initiation system only while carrying out the controlled blasting operations for the excavation of overburden and side burden even though no habitations (or) forest exists around the proposed site. The proponent shall not carry out any blasting operation involving the initiation system such as detonating cord safety fuse, ordinary detonators, cord relays, in the blasting operation carried out for the excavation of overburden and side burden. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of granite boulders shall be carried out in any occasions and only other suitable non-explosive techniques involving chemical agents shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
19. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the


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abandonment of the granite quarry as assured in the Environmental Management Plan & the approved Mine Closure Plan.


20. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
21. 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.
22. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
23. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
24. 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.
25. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
26. 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.
27. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, the MCDR

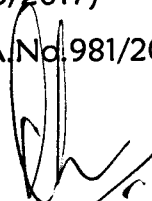

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2017 and Tamilnadu Minor Mineral Concession Rules 1959 are compiled by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.

28. 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.
29. 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.
30. 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.
31. 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.
32. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).


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33. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
34. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
35. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.


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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>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	காட்டுமா
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 sweitenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி.
18	<i>Creteva adansoni</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்புலக
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா 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>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்


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


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Appendix –II

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

-----கரங்கம்

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

பகமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	கரங்கப்பாதையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது நில அதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை என்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
கரங்க சட்ட விதிகள் 1955ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு காதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலையை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுச்சுழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகமைப்பகுதியை உருவாக்க வேண்டும்.	
(முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித கற்றுச்சுழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள கற்றுச்சுழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுச்சுழல் பொறியாளரை அணுகவும்.	

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