

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 292nd Meeting of the State Expert Appraisal Committee (SEAC) held on 07th July 2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai -600 015 for Appraisal of Building Construction Projects & Mining Projects.

Agenda No: 292-01

(File No: 6717/2021)

Proposed Lime Kankar quarry lease over an extent of 23.29.0 Ha at S.F.No. 109/1, 2A, 2B, 3A, 3B & 4, 110/1A, 1B, 2A, 2B & 3, 111/1, 2A, 2B, 3, 4, 5A & 5B, 113/1, 2, 4, 5 & 6, 114/2, 3, 4, 5, 6, 7 & 8, 115/2 and 119/1A, 1B & 1C of Maravarperungudi Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by M/s.The Ramco Cements Limited - For Environmental Clearance.

(SIA/TN/MIN/62835/2019 dated 27.04.2021)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s.The Ramco Cements Limited has applied for Environmental Clearance for the proposed Lime Kankar quarry lease over an extent of 23.290 Ha at S.F.No. 109/1, 2A, 2B, 3A, 3B & 4, 110/1A, 1B, 2A, 2B & 3, 111/1, 2A, 2B, 3, 4, 5A & 5B, 113/1, 2, 4, 5 & 6, 114/2, 3, 4, 5, 6, 7 & 8, 115/2 and 119/1A, 1B & 1C of Maravarperungudi Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 5,29,375 tonnes of Lime Kankar on RoM basis with an ultimate depth of mining is 3m below ground level. The Annual peak production as per mining plan is 2,54,375 tonnes of Lime Kankar on RoM basis.


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4. ToR Issued - Lr.No. SEIAA-TN/F.No.6717/SEAC/ToR 670/2019 dated 19.11.2019
5. Public hearing Conducted Dated 15.12.2020.

After examining the documents & project proposals furnished by the project proponent and based on the presentations & detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total Production for the period of five years states that total quantity should not exceed 5,29,375 tonnes of Lime Kankar on RoM basis with an ultimate depth of 3m below ground level with an Annual peak production as per mining plan is 2,54,375 tonnes of Lime Kankar on RoM basis, subject to the standard conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons relevant to the proposed mining activities per the provisions of Mines Act 1952, Mines Rules 1955 and Metalliferous Mines Regulations, 1961.
3. The proponent shall earmark 2.5ha (about 5 -10% of the land) to cultivate fodder trees for grazing purpose for the domestic animals without fenced as a part of closure plan.
4. The PP shall carry out the simultaneous backfilling as a part of progressive mine closure plan.
5. The proponent shall create many numbers of short/small-sized ponds in the reclaimed ground during the final mine closure period for the collection & storage of water. However, the excessive water shall be diverted and collected in the demarcated reservoir for the purpose.
6. The mine management shall strive for the usage of ethanol blended fuel instead of conventional diesel for reducing carbon prints and promoting the eco friendly mining.


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7. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of ROM ore, and top soil if any 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, 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), Quarry license or any other name.
8. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt of atleast 5m wide along the boundary of the quarrying site and suitable working methodology for the same to be adopted by considering the wind direction.
9. The purpose of the 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.
10. 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.
11. **Machine-Induced Noise and Vibration:** 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. Noise levels should be monitored regularly (on weekly basis) near the major

sources of noise generation within the core zone. The Proponent shall also ensure that the level of Noise & Body vibration of all the HEMM deployed in the mine are monitored periodically and the report on such periodic monitoring shall be submitted to the Integrated Regional Office (IRO), MoEF&CC, Chennai / the Regional Office of CPCB, Chennai once in 12 months.

12. The proponent shall undertake the activities of restoration, reclamation and rehabilitation of lands affected by the quarrying operations in a phased manner and shall complete this work before the conclusion of such operations and the relinquishment of the quarrying operations as assured in the Environmental Management Plan & the Mine Closure Plan approved by the Regional Controller of Mines, Indian Bureau of Mines, Chennai.
13. The proponent shall obtain the 'No objection Certificate' from the Regional Director, Central Ground Water Board (CGWB), Chennai when the quarrying operations interfere with the ground water table.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to the Integrated Regional Office (IRO), MoEF & CC, Chennai / Regional office of CPCB, Chennai. The same shall be intimated to the local habitants through village panchayat.
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 ROM ore; and transport of ROM ore will be as per IRC Guidelines with respect to complying

with traffic congestion and density. Perennial maintenance of haulage road/village / Panchayat Road shall be carried out by the project proponent accordingly.

18. The proponent shall effectively cover in the loaded haul trucks so as to prevent the spillage of ROM ore being transported and also to provide protection against suspended dust particles while plying in the panchayat haul roads/state highways. A report on the implementation of the above recommendation shall be informed to the SEIAA/SEAC, Tamil Nadu within six months from the date of lease execution.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. The Occupational health and safety are very closely related to productivity and good employer-employee relationship. The main factors of occupational health in mines are fugitive dust, noise, vibration and ergonomic problem. Safety of employees and maintenance of mining equipment is to be taken care of as per the Metalliferous Mines Regulations, 1961, Mines Rules, 1955 and Circulars of DGMS. To avoid any adverse effects, sufficient measures which include (i) Provision of rest shelters for mine workers with amenities like drinking water, toilets, etc.; (ii) Provision of personnel protection devices for the workers; (iii) Rotation of workers exposed to high noise areas; (iv) First-aid facilities.
21. The Project Proponent shall inform the Director of Mines Safety, Chennai Region, Chennai about the commencement of the mining operations to comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955.
22. The project proponent shall ensure that the provisions of the MMDR Act, 1957, and the MCDR 2017 are complied by carrying out the mining 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 of ROM ore 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. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter as well as in the Precise area communication letter issued by concerned District Collector should be strictly followed.

26. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

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

28. As accepted by the Project Proponent the CER cost of Rs.10 lakhs shall be contributed to Grizzled Squirrel Wildlife Sanctuary, Srivilliputhur and an amount of Rs.4.0 lakhs shall be contributed to Peafowl Conservation Plan before obtaining CTO from TNPCB.

Agenda No: 292-02

(File No: 6943/2022)

Proposed Fire Clay and Red Soil quarry lease over an extent of 1.43.08 Ha at S.F.Nos. 191/3B2, 191/4B2 & 191/1C2 of Thazhampattu Village, Panruti Taluk, Cuddalore District, Tamil Nadu by Thiru.P.Ramakrishnan - For Environmental Clearance.

(SIA/TN/MIN/73857/2019 dated 27.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).


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The SEAC noted the following:

1. The Project Proponent, Thiru.P.Ramakrishnan has applied for Environmental Clearance for the proposed Fire Clay and Red Soil quarry lease over an extent of 1.43.08 Ha at S.F.Nos. 191/382, 191/482 & 191/1C2 of Thazhampattu Village, Panruti Taluk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 50,384cu.m of Fireclay and 63,888cu.m of Red Soil with an ultimate depth of mining is 16m (6m Red Soil + 10m Fireclay).The Annual peak production as per mining plan is 50,384cu.m of Fireclay and 63,888cu.m of Red Soil.
4. ToR was issued in Lr.No. SEIAA-TN/F.No.6943/SEAC/ToR-697/2020 dated: 18.05.2020.
5. Public hearing was conducted on 25.09.2021.
6. The PP submitted death certificate of Thiru.P.Ramakrishnan and also legal heir certificate in the name of R.Ganesh.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for an Annual peak production of 50,384cu.m of Fireclay and 63,888cu.m of Red Soil, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

6. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The PP shall submit the revised 'Plans and sections' of the approved Mining Plan with proper bench geometry showing the inverted cone structure after it is vetted by the concerned AD (Mines) to the office of the SEIAA before obtaining the CTO from TNPCB.


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3. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons relevant to the proposed mining activities per the provisions of Mines Act 1952, Mines Rules 1955 and Metalliferous Mines Regulations, 1961.
4. The PP shall construct the haul road with adequate width & gradient in the mine using suitable borrowed material/biodegradable material/gravel.
5. The PP shall ensure that the catch drains, settling tanks and siltation ponds of appropriate size are constructed around the mine working, mineral yards and topsoil / OB / waste dumps to prevent runoff of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. Further, the drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
6. The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purpose.
7. 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.
8. The Project Proponent shall develop greenbelt in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area.
9. 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.
10. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayat Union Primary School, Thazhampattu Village before obtaining CTO from TNPCB.


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Agenda No: 292-03

(File No: 7180/2020)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.35.85 Ha at S.F. No. 343/2A, 343/2B1, 343/3A & 343/4A of Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu by Thiru.M.Muralikrishnan - For Environmental Clearance.

(SIA/TN/MIN/43425 /2019 dated 28.10.2021)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Muralikrishnan has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 2.35.85 Ha at S.F. No. 343/2A, 343/2B1, 343/3A & 343/4A of Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was issued in Lr No -SEIAA-TN/F.No.7180/SEAC/ToR-748/2020 Dated: 15.09.2020.
4. Public hearing was conducted on 04.09.2021.

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

- (i) Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest R.F from 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: 292-04

(File No: 7702/2021)


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Proposed Rough Stone and Gravel quarry lease over an extent of 4.90.0 Ha at S.F. No. 195/1(P) & 198/1(P) of Thennilai (East) Village, Pugalur Taluk, Karur District, Tamil Nadu by Tvl.Sri Venkatramana Swamy Blue Metals - For Environmental Clearance.

(SI/TN/MIN/53847/2019 dated 15.10.2021)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl.Sri Venkatramana Swamy Blue Metals has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 4.90.0 Ha at S.F. No. 195/1(P) & 198/1(P) of Thennilai (East) Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 8,62,582cu.m. of Rough Stone and 72,176cu.m. of Gravel with an ultimate depth of mining is 40m [5m AGL + 35m BGL (2m Gravel + 38m Rough stone)] as per approved ToR. The annual peak production as per mining plan is 2,78,965 cu.m of rough stone & 32,760 cu.m of gravel .
4. ToR was issued in Lr.No.SEIAA-TN/F.No.7702/SEAC/ToR-773/2020, Dated: 06.10.2020.
5. Public hearing was conducted on 26.08.2021.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for an Annual peak production of 2,78,965 cu.m of rough stone & 32,760cu.m of gravel, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

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


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maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.

1. 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.
2. The PP shall furnish slope stability action plan to the AD/Mines-DGM incorporating haul road along with benches, for the planned working as the depth of the proposed quarry is exceeding 30m, before obtaining CTO from TNPCB.
3. The PP shall ensure that only NONEL initiation bound controlled blasting technique involving line drilling and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site and the blast-induced ground vibration (PPV) measured in the structures not belonging to the owner, located at a distance of 365 m shall not exceed 2 mm/s.
4. The PP shall carry out the scientific studies for controlling the blast-induced ground/air vibrations and reducing the flyrock within two years after the commencement of quarrying operation, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
5. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 4 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.


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6. The PP shall form a Disaster Management Cell for carrying out the quarrying operations with a view to ensure the safety of workmen and surrounding habitations.
7. The Project Proponent shall carryout plantation/ afforestation around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people.
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 to the EMP as committed.
9. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayath Union Primary School, Irakkiyagoundanur Village before obtaining CTO from TNPCB.

Agenda No: 292-05

(File No: 7781/2021)

Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha at S.F. No. 1/4(Part-35) of Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by Thiru. A. Dhanakarthiskeyan - For Environmental Clearance.

(SIA/TN/MIN/ 55849/2020 dated 05.02.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. A. Dhanakarthiskeyan has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 2.00.0 Ha at S.F. No. 1/4(Part-35) of Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu.


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2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was issued in Lr No - SEIAA-TN/F.No.7781/SEAC/ToR-813/2020 Dated: 09.11.2020.
4. Public hearing was conducted Dated 21.10.2021.

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 Bagaveli Reserve Forest is located at a distance of 0.87km (as per DFO letter, Vellore Division dated 14.07.22) 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: 292-06

(File No: 7879/2020)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.00.0 Ha at S.F. No. 20/2B, 20/2D, 20/2H, 20/2I, 20/2J & 20/2K of Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. D.Arulazhagan - For Environmental Clearance.

(SIA/TN/MIN/56762/ 2020 dated 28.02.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:


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1. The Project Proponent, Thiru. D.Arulazhagan has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 2.00.0 Ha at S.F. No. 20/2B, 20/2D, 20/2H, 20/2I, 20/2J & 20/2K of Ezhacheri Village, Vembakkam Taluk, Tiruvannamalai 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. There are three small worked out pits are existing within the leasehold area of 9m, 3 m and 1 m respectively.
4. The lease period is for 5 years, as per mining plan the total quantity of recoverable should not exceed 2,90,750 cu.m of Rough Stone and 17,500 cu.m of Gravel with an ultimate depth of mining is 32m (2m Gravel + 30m Rough stone) below ground level. The annual peak production as per mining plan is 73,900cu.m of rough stone & 8820cu.m of gravel .
5. ToR was issued in LrNo.SEIAATN.F.No.7879/SEAC/ToR-867/2020, Dated 12.03.2021.
6. Public hearing was conducted Dated 30.10.2021.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for an annual peak production of 73,900cu.m of rough stone & 8820cu.m of gravel, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The 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 Project Proponent (PP) shall submit an 'Action Plan' for carrying out the


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realignment of the benches in the existing quarry pits and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 30 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.

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. 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.
6. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayath Union Primary School, Chinna Ezhacheri Village before obtaining CTO from TNPCB.

Agenda No: 292-07

(File No: 7907/2020)

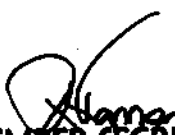
Proposed Rough Stone and Gravel quarry lease over an extent of 1.97.0 Ha at S.F. No. 222/18,222/19,222/20 & 222/21 of Chithathur Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by Tvl.SRC Projects (P) Ltd - For Environmental Clearance.

(SIA/TN/MIN/57010/ 2020 dated 30.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl.SRC Projects (P) Ltd has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.97.0 Ha at S.F. No. 222/18,222/19,222/20 & 222/21 of Chithathur Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu.


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2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 1,12,790 cu.m of Rough Stone, 50,400 cu.m of weathered rock formation and 24,138 cu.m of Gravel with an ultimate depth of mining is restricted to 37m (2m Gravel + 5m Weathered rock Formation +30m Rough stone) below ground level. The annual peak production as per mining plan is 26230 cu.m of rough stone, 19800 cu.m of weathered rock formation & 10368 cu.m of gravel.
4. ToR was issued in Lr.No.SEIAA-TN/F.No.7907/SEAC/ToR-996/2021, Dated: 28.07.2021.
5. Public hearing was conducted on 17.02.2022.
6. Fencing around the quarry boundary has been installed and green belt is also developed by the PP.

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 quantity not to exceed 1,09,325 cu.m of Rough Stone, 50,400 cu.m of weathered rock formation and 24,138 cu.m of Gravel with an ultimate depth of mining is restricted to 32m only (2m Gravel + 5m Weathered rock Formation +25m Rough stone) below ground level with an annual peak production of 26230 cu.m of rough stone, 19800 cu.m of weathered rock formation & 10368 cu.m of gravel subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The 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.


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subject to a maximum of thirty years, whichever is earlier.

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 PP shall ensure that only controlled blasting technique using NONEL / Electronic initiation system involving line drilling / muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site and the blast-induced ground vibration (PPV) measured in the structures not belonging to the owner, located at a distance of 880 m shall not exceed 2 mm/s.
5. The PP shall carry out the scientific studies for controlling the blast-induced ground/air vibrations and reducing the flyrock within two years after the commencement of quarrying operation, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
6. The PP shall explore the possibility of carrying out the 'amalgamation' with their adjacent existing quarry after 5 years, as per the provisions of Reg. 113 of MMR 1961 with due approval obtained from the competent authorities.
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 to the EMP as committed.
8. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayath Union Primary School, Chithathur Village before obtaining CTO from TNPCB.

Agenda No: 292-08

(File No: 8000/2021)


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Proposed Rough Stone and Gravel quarry lease over an extent of 1.75.5 Ha at S.F. No. 428/1A, 60/1B & 61 of Chikkarampalayam Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Tvl. Palanivelsri Blue Metalls India Private Limited- For Environmental Clearance.

(SIA/TN/MIN/57772/2020 dated 20.10.2021)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl. Palanivelsri Blue Metalls India Private Limited has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.75.5 Ha at S.F. No. 428/1A, 60/1B & 61 of Chikkarampalayam Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The quarry was operated earlier with prior EC during the period of 2014-2019 for a depth of 15 m against the permitted depth of 17 m.
4. The lease period is for 5 years. As per mining plan, the total quantity of recoverable should not exceed 1,21,194 cu.m of Rough Stone and 7,038 cu.m of Gravel with an ultimate depth of mining is 30m (2m Gravel + 28m Rough Stone) below ground level as per approved ToR. The annual peak production as per mining plan is 34,085 of rough stone & 7038cu.m of gravel .
5. ToR was issued in LrNo.SEIAA-TN/F.No.8000/SEAC/ToR-851/2020, Dated: 18.02.2021.
6. Public hearing was conducted on 30.08.2021.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for an annual peak production of 34,085 cu.m of rough stone & 7038 cu.m of gravel, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:



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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
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 (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry pits and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarrying operation to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
5. The PP shall ensure that only controlled blasting technique using NONEL initiation system involving line drilling / muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site and the blast-induced ground vibration (PPV) measured in the structures not belonging to the owner, located at a distance of 670 m shall not exceed 2 mm/s.
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. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayath Union Primary School, Vadavalli Village before obtaining CTO from TNPCB.

Agenda No: 292-09

(File No: 8297/2021)


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Proposed Rough Stone and Gravel quarry lease over an extent of 1.37.0 Ha at S.F. No. 80/1E1, 80/1E2 & 80/1E4 of Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu by Thiru.M. Ramasamy - For Environmental Clearance.
(SIA/TN/MIN/72914/ 2020 dated 04.03.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Ramasamy has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.37.0 Ha at S.F. No. 80/1E1, 80/1E2 & 80/1E4 of Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. There are three small worked out pits were operated within the leasehold area of having depth of 3m, 4m and 17m respectively during the previous lease period of 2012-2016 for which no EC is available but the quarrying operation is stopped on 12.05.2014.
4. ToR was issued in Lr No - SEIAA-TN/F.No. 8297/SEAC/ToR-958/2020, Dated: 03.05.2021.
5. Public hearing was conducted on 30.08.2021.

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

- (i) Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Kannamadaai R.F from 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: 292-10

(File No: 8366/2021)


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

(SIA/TN/MIN/ 60870/2021 dated 01.03.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. S. Sathish Narayanan has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.00.0 Ha at S.F. No. 45/2C (Part-6) of Atthipadi Village, Tiruvannamalai Taluk, Tiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" 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 decided to ask for the following additional details from the PP.

- i. Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest Kannamada R.F from the proposed quarry site.
- ii. The PP shall furnish revised mining plan indicating proper bench geometry.

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

Agenda No: 292-11

(File No: 8739/2021)

Proposed Rough Stone quarry lease over an extent of 1.30.0 Ha at S.F. No. 80/1 (Part) of Alappatti Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. P.Srinivasan - For Environmental Clearance.

(SIA/TN/MIN/ 222482/2021 dated 30.07.2021)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website


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(www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. P.Srinivasan has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.30.0 Ha at S.F. No. 80/1 (Part) of Alappatti Village, Krishnagiri Taluk, Krishnagiri 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 decided to ask for the following additional details from the PP.

- (i) Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest R.F from the proposed quarry site.
- (ii) The PP shall furnish certified compliance report for the earlier EC.

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

Agenda No: 292-12

(File No: 8740/2021)

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

(SI/TN/MIN/226102/ 2020 dated 24.08.2021)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Thangavelu has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 0.68.0 Ha at S.F. No. 45/2 (P) of Anjanur Village, Nambiyur Taluk, Erode District, Tamil Nadu.


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2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 10 years, the total quantity of recoverable should not exceed 47,380cu.m of Rough Stone and 8,658cu.m of Gravel with an ultimate depth of mining is 22m below ground level. The annual peak production as per mining plan is 4,930cu.m of rough stone & 4292cu.m of gravel.

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

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

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

Agenda No: 292-13

(File No: 8794/2021)

Proposed Construction of hospital building and research institute (Under Violation) at S. F. No. 284, 287, 309/1, 310/1, 310/2, 311, 312, 313, 316, 320, 321, 322, 323, 324, 335/1, 2A, 2B, 336/1, 2, 3, 4A, 4B, 337, 338, 339, 340, 342/1&2, 343, 344/3A, 3B, 3C, 3D of Thandalam Village & 325/6A, 325/7B, 350/2B of Kovur Village, Sriperumpudur Taluk Taluk, Kancheepuram District, Tamil Nadu by M/S. Madha Medical College And Research Institute - For Environmental Clearance.

(SIA/TN/MIS/225193/2021 dated 27.08.2021)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/S. Madha Medical College And Research Institute has applied for Environmental Clearance for the proposed Construction of hospital building and research institute (Under Violation) at S. F. No. 284, 287, 309/1,


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310/1, 310/2, 311, 312, 313, 316, 320, 321, 322, 323, 324, 335/1, 2A, 2B, 336/1, 2, 3, 4A, 4B, 337, 338, 339, 340, 342/1&2, 343, 344/3A, 3B, 3C, 3D of Thandalam Village & 325/6A, 325/7B, 350/2B of Kovur Village, Kundrathur Taluk, Kancheepuram District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the project proponent, SEAC noted that the PP requested for time to further examine his case on (i) extent of exemption for educational institutions and (ii) whether he would come under violation category and if yes extent of violation. SEAC, therefore, decided to defer the project.

Agenda No: 292-14

(File No: 9162/2022)

Proposed Savudu quarry lease over an extent of 2.37.0 Ha at S.F. No. 386(P) of Ervadi Village, Kilakkarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru. V.Jeypal - For Environmental Clearance.

(SIA/TN/MIN/264223/2022 dated 30.03.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.V.Jeypal has applied for Environmental Clearance for the proposed Savudu quarry lease over an extent of 2.37.0 Ha at S.F. No. 386(P) of Ervadi Village, Kilakkarai Taluk, Ramanathapuram 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 document furnished by the project proponent, SEAC noted that the PP applied for "Savudu quarry" and during appraisal furnished approved modified mining plan letter as "Earth". Hence SEAC decided to ask for the


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following additional details from the PP.

- (i) Since Bay of Bengal is located at a distance of 750m, the PP shall furnish CRZ clearance from the concerned authority.
- (ii) The PP shall register land document.
- (iii) Since all other document in Parivesh website is in the name of "savudu", the PP shall apply afresh with proper terminology as per the mining plan.

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

Agenda No: 292-15.

(File No: 9167/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.37.5 Ha at S.F. No. 90/3 (Part) & 94/1D of Solapalayam Village, Pollachi Taluk, Coimbatore District, Tamil Nadu by Thiru. T.Gowri Shankar - for Environmental Clearance.

(SIA/TN/MIN/265576/ 2022 dated 08.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. T.Gowri Shankar has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 2.37.5 Ha at S.F. No. 90/3 (Part) & 94/1D of Solapalayam Village, Pollachi 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.

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

- (i) The PP shall furnish certified compliance report for the operations carried out during 2016-2021.
- (ii) Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest R.F from the proposed quarry

site.


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- (iii) The PP shall furnish 'Action Plan' for the realignment of benches and its stability in the existing quarry.

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

Agenda No: 292-16

(File No: 9169/2022)

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

(SIA/TN/MIN/265227/2022 dated 08.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. P. Paulraj has applied for Environmental Clearance for the proposed Red Earth quarry lease over an extent of 2.71.5 Ha at S.F. No. 305/2A, 2B, 3A and 3B of Siraikulam Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

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

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

1.	Department of Civil Engineering, National Institute of Technology, Trichy - 620015.
2.	Regional Testing Laboratory, Mellur, Industrial Estate, K. Pudur, Madurai - 625020.


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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: 292-17

(File No: 9170/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.55.5 Ha at S.F. No. 520/3A1 & 521/5 of Viralipatti Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru. G. Vadivelu - for Environmental Clearance.

(SIA/TN/MIN/263854/ 2022 dated 07.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.G.Vadivelu has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.55.5 Ha at S.F. No. 520/3A1 & 521/5 of Viralipatti Village, Nilakottai Taluk, Dindigul 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 observed that File.No. 9170 - SIA/TN/MIN/263854/2022 of PP, Thiru.G.Vadivelu, Viralipatti Village, Nilakottai Taluk, Dindigul District was included in the Agenda for 292nd SEAC meeting held on 07.07.2022. M/s.GEMS are the consultants for the PP. The proposal is for grant of EC for 'Rough Stone and Gravel' quarry in S.F.Nos.520/3A1 & 521/5 of Viralipatti Village, Nilakottai Taluk, Dindigul District covering an extent of 1.55.5ha.

During the meeting the consultant M/s.GEMS made a presentation as if it is a fresh case. On examination, it is found that a proposal for the same survey numbers in


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favour of the same PP for the same purpose with File.No.7768 - SIA/TN/MIN/168200/2020 was already appraised in 181st SEAC meeting held on 10.10.2020. It is also seen from the record that in 181st SEAC meeting held on 10.10.2020, the following recommendation was made.

“Based on the presentation given by the project proponent and document furnished by the project proponent, the SEAC noted that Periyar Main Canal is located at 200 m in Southern side, Vaigai River is located at 500m in Southern side & Odai passing on the western side of the lease applied area. Further, the mining to an ultimate depth of 43 m will impact the agricultural activity nearby the mining lease area and further, it is ascertained that mining activity will have impact water bodies said above. Hence, it was unanimously decided that the above said proposal is rejected for the above said reasons”.

It is also seen from the record that it was the same consultant, namely, M/s GEMS who represented the PP and made presentation before 181st SEAC meeting held on 10.10.2020.

The consultant, namely M/s GEMS therefore, should submit an explanation for the above lapse/misconduct.

Agenda No: 292-18

(File No: 9173/2022)

Proposed Rough Stone and Jelly quarry lease over an extent of 2.33.5 Ha at S.F. No. 147, 156/1A, 156/1B, 156/2A, 156/2B, 157/1, 157/2 and 158/3 of Kulathur Village, Veda sandur Taluk, Dindigul District, Tamil Nadu by Thiru. G.V.Kumar - for Environmental Clearance.

(SIA/TN/MIN/267304/2022 dated 11.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:


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1. The Project Proponent, Thiru.G.V.Kumar has applied for Environmental Clearance for the proposed Rough stone and Jelly quarry lease over an extent of 2.33.5 Ha at S.F. No. 147, 156/1A, 156/1B, 156/2A, 156/2B, 157/1, 157/2 and 158/3 of Kulathur Village, Veda sandur Taluk, Dindigul 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 document furnished by the project proponent, decided to ask for the following additional details from the PP.

- (i) The PP shall furnish certified compliance report for the previous EC.
- (ii) Documentary evidence from the concerned District Forest Officer showing the exact distance of location of the nearest R.F from the proposed quarry site.
- (iii) The PP shall furnish revised mining plan indicating proper bench geometry.

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

Agenda No: 292-19

(File No: 9177/2022)

Proposed Gravel quarry lease over an extent of 1.94.56 Ha at S.F. No. 1515/1C1, 1515/2A, 1515/2B1 and 1515/2C1 of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru. V.Sellapandian - For Environmental Clearance.

(SIA/TN/MIN/267999 / 2022 dated 18.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.V.Sellapandian has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.94.56 Ha at S.F. No. 1515/1C1, 1515/2A, 1515/2B1 and 1515/2C1 of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu.


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

Based on the presentation and documents furnished by the project proponent, SEAC noted that the SMTR (Srivilliputhur Megamalai Tiger Reserve) is located within 10 KM from the project site. The ESZ for the Tiger Reserve is yet to be notified. The Committee, therefore, decided to not recommend the proposal.

Agenda No: 292-20

(File No: 9178/2022)

Proposed Rough Stone quarry lease over an extent of 1.00.0 Ha at S.F. No. 19/3(Part) of Polakkunam Village, Kilpennathur Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. C.Raja - For Environmental Clearance.

(SIA/TN/MIN/251870/ 2022 dated 18.04.2022)

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. C.Raja has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.00.0 Ha at S.F. No. 19/3(Part) of Polakkunam Village, Kilpennathur Taluk, Tiruvannamalai District, Tamil Nadu.
2. The mine was earlier operated from 2011 to 2016 for a depth of 12 m sporadically in the leasehold area.
3. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
4. As per mining plan, the lease period is for 5 years, the total quantity of recoverable should not exceed 77497 cu.m of Rough Stone with an ultimate depth of mining is 36m below ground level. The annual peak production as per mining plan is 16480 cu.m of rough stone.

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


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an annual peak production of 16480 cu.m of rough stone by maintaining the ultimate depth of 36m bgl, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, In addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall furnish a suitable 'Action Plan' for realignment of benches in the existing pit for ensuring the slope stability of the benches to the concerned AD (Mines) before CTO obtained from TNPCB.
4. The PP shall ensure that only controlled blasting operation using NONEL initiation system, with line drilling and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
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 to the EMP as committed.
6. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Government High school, Polakkunam Village before obtaining CTO from TNPCB.

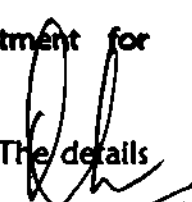
Agenda No: 292- TA-01

(File No: 9186/2022)

Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.No. 124(P) of B. Adhanur Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by the Executive Engineer, Mining and Monitoring Division, Water Resource Department for Environmental Clearance (SIA/TN/MIN/267272/2022 Dated 13.04.2022).

The proposal was placed in 278th Meeting of SEAC held on 27.05.2022. The details


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of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following,

1. The Project proponent of Executive Engineer, Mining and Monitoring Division, Water Resource Department has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.No. 124(P) of B. Adhanur Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the mining lease period is 1 year and the production for one year should not exceed 73956 Cu.m of sand with ultimate depth 1m.

Based on the presentation made by the Proponent, the SEAC decided to carry out on site inspection constituted by SEAC.

The Sub-Committee of SEAC visited the project site on 05.06.2022 to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site. The Sub-Committee inspection report was placed in this 292nd Meeting of SEAC held on 07.07.2022 and the observations of the Sub-committee are as follows,

Observations Made by the Sub-Committee:

- Proposed sand quarry is located on the southern side of the B Adhanur Village in SF. No.124(P) in the river bed of Vellar. It is close to the left bank of Vellar river.
- It is located about 4.70 km below the Neduncheri Checkdam (Sill 15.37m) and 5.80 km above the Sethiathope Anaicut.
- No other cross masonry or other structures are available in between the Anaicut (Sill – 8.765m).
- The sand at the proposed site is replenished well and sand is deposited above the bed level (Theoretical bed level 12.402m).
- It was informed by the PWD officials that a temporary road with bio-degradable material will be formed along the banks of river to transport the sand to the yard.


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- Paddy fields are seen enroute sethiathope to B. Adhanur village. It is informed by local people that their lands will be shortly acquired for NLC project.

Recommendations by sub-committee:

The following recommendations of the Enforcement & Monitoring Guidelines for Sand Mining, 2020 of the MoEFCC, Government of India (Annexure VIII Salient provision for sand mining in the state of Tamil Nadu) can be implemented.

“To monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months”.

- In this endeavour, Groundwater Wing of the Water Resources Department of the PWD may be engaged.
- As per Rule 36 of the Tamil Nadu Minor Mineral Concession Rules 1956, no sand quarry should be allowed within 500m radial distance from the location of any bridge, water supply system, infiltration well or pumping installation.
- In as much as within 4.00km on either side no such structures or installation are available, the mining of sand at the proposed sand quarry in SF No.124 (P) of B. Adhanur village, Bhuvanagiri Taluk, Cuddalore District as per the mining plan is recommended for Environmental Clearance.

Based on the Inspection report, presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for 73956 Cu.m of sand, subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.90.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The depth of sand quarrying shall be restricted to 1 m from the theoretical bed level.


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3. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
4. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
5. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
6. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
7. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
8. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
9. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
10. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
11. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
12. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitation while

planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.

13. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
14. The mining operation should be above the ground water table.
15. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR,2017 & MMR, 1961).
16. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
17. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

Agenda No: 292- TA-02

(File No: 2451/2018)

Proposed construction of 1024 Nos.of dwelling unit at S.F.No. 340/2B 1B , Gudapakkam Village, Poonmallee Taluk, Tiruvallur District Tamil Nadu by M/s. Tamil Nadu Urban Habitat Development Board (formerly known as M/s Tamil Nadu Slum Clearance Board) - For Environmental Clearance.

(SIA/TN/NCP/28271/2017, dated: 17.07.2018)

The proposal was placed in 257th SEAC Meeting held on 25.3.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Slum Clearance Board has applied seeking Environmental Clearance for the proposed construction of 1024 Nos. of dwelling unit at S.F.No. 340/2B 1B , Gudapakkam Village, Poonmallee Taluk, Tiruvallur District, Tamil Nadu


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2. The project/activity is covered under Category "B2" of item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. As per G.O (Ms) No. 103 Housing & Urban development Dept Dt. 1.09.2021 the name of the proponent changed from M/s Tamil Nadu Slum Clearance Board to M/s. Tamil Nadu Urban Habitat Development Board
4. The proposal consists 32 Blocks- G+ 3 Floors each – Total tenements – 1024 with plot area – 33820 Sq.m and built up area – 37754.88 Sq.m.
5. Earlier, the ToR has been granted by MoEF&CC vide Lr No. F.No. 23-16/2017-1A-III Dt. 10.4.2018 violation category.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess the present status of the proposed project and environmental settings.

The Sub-Committee of SEAC visited the project site on 11.05.2022 to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site. The Sub-Committee inspection report was placed in this 292nd Meeting of SEAC held on 07.07.2022 and the observations of the Sub-committee are as follows,

Observations and Recommendations made by the Sub-Committee:

1. All 32 blocks have been constructed with 1024 residential tenements and it is fully occupied & operational.
2. A part of the tenements was handed over to people on August, 2016.
3. The current water usage of the project is 400 KLD which is being supplied through Gudapakkam Panchayat.
4. The present waste water generated is around 350 KLD which is being treated through 2 Nos. of Sewage Treatment Plant (STP) of capacity 375 KLD each, in which one 375 KLD is standby and the STP Sludge is being used as manure.
5. From the total treated water of 315 KLD, 22 KLD is being used inside the scheme for watering the Greenbelt. The excess treated water is discharged into open land which ultimately connects to Gudapakkam

lake. TNUHDB committed that the treated water will be tested periodically before let into the lake.

6. The total power requirement of 1200 KVA is sourced through Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO) by operational substation within the scheme.
7. Backup D.G. set of 62.5 KVA is available as standby for STP.
8. The Municipal Solid Waste generated within the scheme is being collected on daily basis and disposed through Gudapakkam Panchayat.
9. A total of 150 trees are already present within the scheme and TNUHDB committed that additional saplings of 273 saplings will be planted within a month in consultation with District Collector.
10. A total of 256 Rainwater Harvesting Pits are constructed in the project site to collect & harvest the roof top rain water which discharges into percolation pits of depth 1.5m and width of 1m which is filled with rounded pebble of 50 to 75 mm.
11. Storm water drains is found all around the project boundary and in-between each block which ultimately connects to Gudapakkam lake.
12. In as much as all the tenements are occupied by the deserving people and other amenities are maintained well it is recommended to issue Environmental Clearance for the project.

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

- (i) The EIA co-ordinator approved by NABET shall present The Ecological Damage, Remediation Plan and Natural & Community Resource Augmentation Plan and Environmental Compensation for violation.
- (ii) The PP shall furnish credible action taken by the State Government against the project proponent for the violation of the provision of Section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006.
- (iii) The PP shall furnish CER details.
- (iv) The PP shall furnish the details of disposal of treated sewage.

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

Agenda No: 292 - TA- 02

(File No: 6368/2020)

**Proposed Limestone Mine lease over an extent of 24.32.5Ha Limestone Mine (G.O. 739) in S.F.No. 502. 503, 512, 513. 516/1. 2. 3. 4. 5, 6, 7. 517, 518/1, 2. 3. 4, 5 & 6. Pandaputi Village, Sankarankovil Taluk, Tirunelveli District, Tamil Nadu by Tamilnadu Cements Corporation LTD - For Environmental Clearance.
(SIA/TN/MIN/27367/2018 Dt.19.9.2020).**

The SEAC noted the following:

1. The project proponent, Tamilnadu Cements Corporation Ltd has applied for the Environmental Clearance for proposed rough stone and gravel quarry lease area over an extent of 24.32.5Ha at S.F.No. 502. 503, 512, 513. 516/1. 2. 3. 4. 5, 6, 7. 517, 518/1, 2. 3. 4, 5 & 6. Pandaputi Village, Sankarankovil Taluk, Tirunelveli 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. ToR obtained vide Lr No. SEIAA-TN/I-.No.6368/2018/ToR-617/2019 Dated:03.05.2019
4. Public Hearing Conducted 28.02.2020.

The proposal was placed in 266th SEAC Meeting held on 27.4.2022. During the meeting the Committee noted that the NABET accredited consultant was not present, SEAC therefore decided to defer the proposal and call for the reason for not attending the meeting.

The PP submitted reply to SEIAA vide letter dated 28.04.2022.

The proposal was placed in this 292nd Meeting of SEAC held on 07.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess


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the present status of the proposed project, environmental settings and to assess ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation.

After the receipt of the evaluation report by the Sub-committee, the SEAC will deliberate on the issue of Environmental Clearance under violation category.



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ANNEXURE

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

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

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

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

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

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

the 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.
29. 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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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவரம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சளடி, அழகாட்குமந்திரமணி
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	அத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவத்தி
8	<i>Buchanania axillaris</i>	Kattuma	கட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamarai	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புனை
13	<i>Cassia fistula</i>	Serakondrai	செரகண்டரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கண்டரை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூலி
18	<i>Creteva adansoni</i>	Mavalingum	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உவா
21	<i>Diospyro sebestum</i>	Karungali	கருங்கலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வகை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	அத்திப்பூக்க
25	<i>Hardwickia binata</i>	Aacha	அச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	அயில் மரம், அயிலி
27	<i>Lannea coromandelica</i>	Odham	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	விளா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிளிபட்டை, பிளிகட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	U'lakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மழிழமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Bachai	பச்சைமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

40	<i>Premna mollissima</i>	Munnai	முண்ணை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முண்ணை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூஞ்சை
43	<i>Prosopis cinerea</i>	Vanni maram	வாணி மரம்
44	<i>Pterocarpus marsipium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vernangu, Tada	வேர்வாங்கை
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிப்பங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxdomic</i>	Yetti	யெட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேர்தாங்க கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாந்திரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேன் மருத்து
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தாண வெம்பு
58	<i>Thespesia populnea</i>	Purvarasu	பூஞ்சை
59	<i>Walsuratrifoliata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கோடுக்கப்பூரி


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கனம் பேரவையில் இவ்விதச் செய்தியைக் கேள்வி கேட்டதில் அதுமதி கிட்டென் இத்தனைக்குள் உபயோக வரம்பைப் பின்பற்றுவது, தேதி உபயோகம், கற்றுத்தரும் அளவுமதி தேதி வரை சொல்லத்தக்கதாக உள்ளது.

[illegible]

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