

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

**Minutes of the Meeting of 273<sup>rd</sup> State Expert Appraisal Committee (SEAC) held on 14<sup>th</sup> May 2022 (Saturday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligal, 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: 273-1**

**(File No: 8560/2021)**

**Proposed Integrated Paint manufacturing Industry with a total capacity of 8,75,000 KL/Annum by M/s.Grasim Industries Limited at Plot No. A3/1, A4/2 Sipcot Industrial Park & S.F.Nos. 285/1, 2, 3, 4, 5, 6, 7, 292/1, 2, 294/1, 2, 3, 4, 295/1, 2A, 2B, 2C, 3, 296/2Bpt, 2C pt , 3 pt, 297/ 1pt, 2Apt, 2B pt, 2C pt, 2D pt, 3A pt, 3Bpt, 296/ 1A, 1B,1C, 2A, 2Bpt, 2Cpt, 3pt, 297/ 1pt, 2Apt, 2Bpt, 299, 300pt, 334, 335/ 1, 2A, 2B, 3A, 3B, 4A, 4B, 336, 359/1A, 1B, 2, 3, 353/5Bpt, 5Cpt, 5Dpt, 345/2pt, 348/ 2A1pt, 2A2, 2Bpt, 2C1, 2C2, 347/ 1Bpt, 2Bpt, 351/ 1A1, 1A2,1A3,1B, 2, 3, 4A, 4B, 4C, 352/ 1, 2Apt, 2B1, 2B2, 3pt, 4, 339/ 4pt, 340/ 1Apt, 2pt, 353/ 1, 2, 3A,3B, 4A,4B, 5A, 5B, 5Cpt, 5Dpt, 354/ 1,2, 355,358, 350/ 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I of Magajanapakkam Village, Cheyyar Taluk, Thiruvannamalai District, Tamil Nadu- For Environmental Clearance.**

**(SIA/TN/IND2/66529/2021, dated: 11.08.2021).**

The proposal was earlier placed for appraisal in 215<sup>th</sup>, 233<sup>rd</sup>, 234<sup>th</sup>, 241<sup>st</sup> meetings of SEAC held on 29.06.2021, 21.9.2021, 22.09.2021, 03.11.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic. in).

Based on the above, the proposal was placed in 449<sup>th</sup>,473<sup>rd</sup>, 477<sup>th</sup>, and 484<sup>th</sup> meetings of SEIAA, the details of which can be seen in Parivesh portal.

The project is an Integrated Decorative Paints Manufacturing Industry located at Plot Nos. A3/1 (49.77 Acres), A4/2 (60.90 Acres) over an extent of 110.67 Acres, SIPCOT industrial park, Phase-II, Magajanapakkam Village, Cheyyar Taluk, Thiruvannamalai District, Tamil Nadu.

The proposal was placed for appraisal in 246<sup>th</sup> meeting of SEAC held on 17.02.2022.A technical expert with Chemical Engineering background from Anna University was invited to this SEAC meeting as a special Invitee for this project discussion. Based on the presentation and document furnished by the project proponent SEAC noted that,

  
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- i. Proposed industry falls under "Red category"
- ii. The Auto Terms of Reference is prescribed with public consultation through (Parivesh) online dated 23.06.2021.
- iii. The administrative Sanction order for expansion of Cheyyar industrial complex by SIPCOT (931.41 ha) was issued vide G.O.Ms.No.281 Dt: 05.12.2007. Further, the Environmental Clearance was issued by MoEF & CC Dt: 30.09.2016 for the development of SIPCOT Industrial Park over an area 931.015 ha for in-housing following industry categories only such as item No. 3 (a) - Metallurgical industries (ferrous & non-ferrous) & item No.5(k) - Induction/Arc/Cupola Furnace of TPH or more. The present proposal of the is for industry category item No. 5 (h) - integrated paint industry at the above said SIPCOT, Cheyyar which was not covered under Environmental Clearance issued to SIPCOT, Cheyyar Dt: 30.09.2016.
- iv. Further according to para 3 (xxxiv) of the Environmental Clearance issued by MoEF & CC Dt: 30.09.2016, "the responses/commitments made to the issues raised during public hearing shall be complied with in letter and spirit." It is seen from the records that SIPCOT has given a commitment that "individual industries has to conduct public hearing separately if they do not fall within the scope of ToR issued by EAC for the Park"

Considering the above points and after detailed deliberations, SEAC decided that the project proponent shall conduct public consultation as already prescribed in ToR and shall submit a fresh EIA study report including the following details,

1. The project proponent shall furnish detailed baseline monitoring data with prediction of quality parameters through modeling the surface water bodies & ground water quality data, ambient/stack air quality data with regard to point/fugitive sources emission & VOCs, ambient noise level and Traffic within 5 km radius of the proposed project site.
2. Details on requirement of raw materials (binders, solvents, pigments, additives, resin, driers etc.) their source and storage at the plant.
3. Whether any of the material content lead, if so details thereof.

  
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4. Details on solvent management including loss accounting.
5. Details on composition, generation and utilization of waste from the plant-left out raw materials, paint sludge, filter cartridges, off-specification paint, etc.,
6. Existing ambient air quality for expected emissions (VOCs, pigment dust, etc.) from paint industry.
7. Cumulative assessment of the impacts from the industries within the 3 km radius and the EMP needs to be worked out based on the findings.
8. The proponent shall carry out cumulative impact assessment study for air pollution, water pollution, and noise pollution in the proposed site needs to be carried out considering nearby water bodies and habitations, and EMP needs to be worked out mitigation measures for the same based on the findings of the study.
9. The project proponent shall furnish emergency evacuation & preparedness plan, safety planning study for the worst-case scenario (untoward accidents) considering storage, management (Manufacturing practices) & handling/maintenance of based on MSDS of solvents, products, raw materials, hazardous waste etc & spill over management.
10. Details of sequence of process diagram of each process.
11. Details of stoichiometric analysis, reaction and mass balance of all the products, and the assessment of air pollutants along with its quantity per batch.
12. The project proponent shall submit the expected characteristics of the effluent generated during the processes and the design of the Effluent treatment plant based on those characteristics. The proponent shall furnish the design details of Effluent Treatment Plant (ETP) with the detailed process descriptions.
13. The proponent shall submit the proposal for treatment of sewage and design of the STP.
14. Detailed plan on the protection for the existing water bodies within the premise needs to be worked out and included in the EIA/EMP report.
15. The details about occupational health & safety measures as per OSHA guidelines.
16. The proponent shall furnish details of safety measures proposed for all the process area and fuel/solvent/hazardous waste storage areas.

  
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17. The proponent may assess the risk based on the guidelines of MoEF&CC for Integrated Paint Industry.

18. The Environmental Management Plan (EMP) for the proposed project shall be revised considering the above points and same shall be submitted.

Now, the PP has furnished the above said details and this proposal was again placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. Based on the documents along with public hearing report and EIA study report, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions.

1. The project proponent shall provide the green belt area not less than 38.74% of the land area all along the periphery of the unit and maximum green belt shall be maintained in the down wind direction as reported. Selection of plant species shall be as **per the Appendix**.
2. The project proponent shall operate and maintain the sewage treatment plant of capacity 30KLD and Effluent treatment plant of capacity 150 KLD with ZLD effectively to meet out the standards prescribed by the CPCB/TNPCB.
3. Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB.
4. The effluent generated from the process should be treated through the STP & ETP to achieve the discharge standards prescribed by the CPCB/TNPCB.
5. The proponent shall ensure the zero-liquid discharge.
6. The proponent shall provide adequate air-pollution control measures for the process area.
7. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
8. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas etc.
9. The proponent shall ensure that the area earmarked for the boiler, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.

  
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10. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, for the handling and disposal of hazardous waste to be generated.
11. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/ equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
12. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function etc. test reports once in a year for all the workers shall be submitted to TNPCB.
13. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
14. The PP shall install online monitoring system at the point of exit of rainwater overflow from the site in to the lake to ensure the quality of water meets the standards set by TNPCB.
15. The PP shall endeavour to provide employment to local population, including providing vocational training/skill upgradation wherever necessary.
16. The PP shall adhere latest discharge standards as per Notification No. GSR 1241(E) Dt. 28.12.2018.
17. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP as committed.

  
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18. As accepted by the PP the CER cost is Rs. 12.89 crore and the amount shall be spent for activities as per the schedule.

S.N o	Activity	Year wise expenditure Plan (INR crores)		
		2022- 2023	2023- 2024	2024- 2025
1	Guindy Children's Park development	10.0	-	-
2	Vocational Training like Two Wheeler Repairing, Mobile Repairing, Beautician Course, A/C Repair, Tailoring Course)	0.2	0.2	-
3	Strengthening the Primary Health Centres with adequate medical equipment,	0.1	0.1	-
4	Women Economic Empowerment Initiatives: Donation of Tailoring Machines, Tools for Handicraft & Beautician Kit, Formation of Self Help Group for Women Empowerment, Skill Development in Partnership with Approved National Skill Development Center Institution etc.	0.1	0.3	-
5	Creating a Model School in the Taluk	0.05	0.05	0.05
6	Renovation of Anganwadi Centres with Washroom facilities	-	-	0.3
7	Hygienic Drinking Water through Installation of Reverse Osmosis Plant,	0.2	0.36	-
8	Greenery Development in Open Space Reserve (OSR) Land	-	-	0.1
9	Desilting and deepening of nearby village Lakes/ponds	-	-	0.33
	Total	10.65	1.01	1.23
		12.89		

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Agenda No: 273-2

(File No: 8673/2021)

Proposed Black granite quarry lease over an extent of 4.80.0 Ha in S. F. Nos. 830 (Part) West and 835/3 Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District Tamil Nadu by M/s. Tamilkumaran Productions Private Limited - For Terms of Reference. (SIA/TN/MIN/65944/2021 Dt: 23.06.2021)

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Tamilkumaran Productions Private Limited has applied for Terms for Reference for the proposed Black granite quarry lease over an extent of 4.80.0 Ha in S. F. Nos. 830 (Part) West and 835/3 Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District Tamil Nadu. It is a Govt promboke land
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 20 years. The production as per mining plan for 5 years not to exceed – ROM-18375 m<sup>3</sup> & 1837 m<sup>3</sup> of granite. **The annual peak production as per mining plan is ROM- 4375m<sup>3</sup> (5<sup>th</sup> year) & 437 m<sup>3</sup> of granite (5<sup>th</sup> year) with ultimate depth of 23m AGL.**

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

1. The PP shall obtain a letter from DFO stating that the details of nearest RF and it's distance with respect to the project site.
2. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

  
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- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
3. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
  4. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
  5. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
  6. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
  7. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order

  
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to ensure safety and to protect the environment.

8. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
9. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
10. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of air pollution, water pollution, & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
11. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
12. Issues relating to Mine Safety, including slope geometry in case of Granite quarrying, blasting parameters etc. should be detailed. The proposed safeguard measures in each case should also be provided.
13. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
14. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land

  
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use, R&R issues, if any, should be provided.

15. Since non-saleable waste /OB / intermediate waste etc. is huge in the granite quarry, the Proponent shall provide the details pertaining to management of the above material with year wise utilization and average moving inventory be submitted.
16. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
17. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
18. Impact on local transport infrastructure due to the Project should be indicated.
19. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
20. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
21. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
22. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
23. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
24. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.

  
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25. The recommendation for the issue of "Terms of Reference" is subjected 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).
26. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **appendix-I** in consultation with the DFO, State Agriculture University 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.
27. 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
28. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
29. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
30. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

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

**Agenda No: 273-3**

**(File No: 8764/2021)**

**Proposed Rough stone quarry lease over an extent of 4.80.0 Ha in S. F. Nos. 916 (P), Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District Tamil Nadu by M/s. Golden India Mines & Infrastructures Ltd - For Terms of Reference. (SIA/TN/MIN/67145/2021 Dt: 03.09.2021)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the

  
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proponent are given in the website (parivesh.nic.in).


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

1. The Project Proponent, M/s. Golden India Mines & Infrastructures Ltd has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 4.80.0 Ha in S. F. Nos. 916 (P), Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 year. The production as per mining plan for 5 years not to exceed – 771050 m<sup>3</sup> of Rough Stone and 70152 m<sup>3</sup> of gravel . **The Annual peak production as per mining plan is 156000 m<sup>3</sup> of Rough Stone(4<sup>th</sup> year) and 62752 m<sup>3</sup> of gravel (1<sup>st</sup> year) with ultimate depth of 32m BGL.**

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 **Vallanadu Black buck sanctuary & Vallanadu Reserve Forest** is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

  
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**Agenda No: 273-4**

**(File No: 8995/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 1.07.0 Ha in S. F. Nos. 98/7, Seeniyapuram Village, Virudhunagar Taluk, Virudhunagar District by Thiru K. Perumalsamy- For Terms of Reference. (SIA/TN/MIN/71957/2022 Dt: 12.02.2022)**

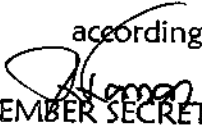
The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru K. Perumalsamy has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 1.07.0 Ha in S. F. Nos. 98/7, Seeniyapuram Village, Virudhunagar 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 the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed – 41632 m<sup>3</sup> of Rough stone & 36696m<sup>3</sup> of gravel. The Annual peak production as per mining plan is 16770 m<sup>3</sup> of Rough stone (5<sup>th</sup> year) & 14388m<sup>3</sup> of gravel (1<sup>st</sup> year) with ultimate depth of 25m BGL.

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the

  
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concerned quarry and the surrounding habitations in the mind.

2. Certified EC compliance report shall be included in the EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
6. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
7. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

8. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
9. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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.

  
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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).

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
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
22. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs

which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

23. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-5**

**(File No: 8996/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 3.02.50 Ha in S. F. Nos. 104/1A, 104/1B1, 104/1B2, 104/2A, 104/2B, 104/3, 104/4A1, 104/4A2, 104/4B, 104/4C, 104/5A, 104/5B, 104/6A, 104/6B, 104/7A, 104/7B, 104/8A, 104/8B, 104/8C, 104/8D& 104/8E, Konganakkurichi Village, Aruppukkottai Taluk, Virudhunagar District, Tamil Nadu by Thiru Balamurugan - For Terms of Reference. (SIA/TN/MIN/72131/2022 Dt: 12.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru Balamurugan has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 3.02.50 Ha in S. F. Nos. 104/1A, 104/1B1, 104/1B2, 104/2A, 104/2B, 104/3, 104/4A1, 104/4A2, 104/4B, 104/4C, 104/5A, 104/5B, 104/6A, 104/6B, 104/7A, 104/7B, 104/8A, 104/8B, 104/8C, 104/8D& 104/8E, Konganakkurichi Village, Aruppukkottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 10 year. The production as per mining plan for 5 years not to exceed – 192130 m<sup>3</sup> of Rough Stone and 94140 m<sup>3</sup> of Gravel. The Annual peak production as per mining plan is 40650 m<sup>3</sup> of Rough Stone(2<sup>nd</sup> year) and 29016m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate depth of 26 BGL.

  
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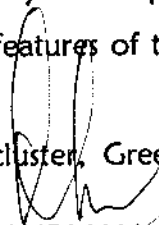
  
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SEAC-TN

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. Certified EC compliance report shall be included in the EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. The PP shall carry out Drone video survey covering the cluster, Green belt ,

  
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fencing etc.,

6. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
7. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
8. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
9. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.

  
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13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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).
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
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local

School/College students and the same shall be included in EIA Report.

21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
22. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
23. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-6**

**(File No: 8997/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 1.62.0 Ha in S.F.Nos. 319/1, 319/2, 319/3 & 319/4, Sirudamur Village, Uthiramerur Taluk Kancheepuram District, Tamil Nadu by Thiru N. Kanniyappan - For Terms of Reference. (SIA/TN/MIN/72047/2022 Dt: 07.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru N. Kanniyappan has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 1.62.0 Ha in S.F.Nos. 319/1, 319/2, 319/3 & 319/4, Sirudamur Village, Uthiramerur Taluk Kancheepuram 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 the mining plan, the lease period is 10 year. The production as per mining plan for 5 years not to exceed – 98276 m3 of Rough Stone and 27084 m3 of Gravel . The Annual peak production as per mining plan is 21600 m3 of Rough Stone (4<sup>th</sup> year) and 27084 m3 of Gravel (1<sup>st</sup> year) with ultimate depth of 20m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC noted that as per OM No. F.No.23-43/2018-IA.III Dt. 8.8.2019, para 4(iv) "Proposals involving mining of minerals within the ESZ (or) one kilometer from the boundaries of National Parks and Sanctuaries whichever is higher is prohibited in accordance with the order of the Hon'ble Supreme Court dated 4.08.2006 in the matter of T.N. Godavarman Thirumulpad Vs. UOI in W.P.(C) No. 202 of 1995 and dated 21.4.2014 in the matter of Goa Foundation Vs. UOI in W.P.(C) No. 435 of 2012".

In the present case the Karikili Bird sanctuary is located within 10Km and as the ESZ for the Karikili Bird sanctuary is yet to be notified. The Committee, therefore, decided to **not recommend** the proposal.

**Agenda No: 273-7**

**(File No: 8998/2021)**

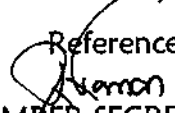
**Proposed Rough stone & gravel quarry lease over an extent of 2.85.0 Ha in S.F. No. 136 (Part-8). Venkateshapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Sri Vinayaka Enterprises- For Terms of Reference.**

**(SIA/TN/MIN/71652/2022 Dt: 29.01.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, M/s. Sri Vinayaka Enterprises has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of

  
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2.85.0 Ha in S.F. No. 136 (Part-8). Venkateshapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 year. The production as per mining plan for 5 years not to exceed – 843660 m<sup>3</sup> of Rough Stone and 2277 m<sup>3</sup> of Top soil. **The Annual peak production as per mining plan is 262675 m<sup>3</sup> of Rough Stone(2<sup>nd</sup> year) and 2277m<sup>3</sup> of Top soil (1<sup>st</sup> year) with ultimate depth of 64 BGL.**

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 **Athimugam I&II Reserve Forest** are located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

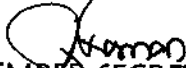
**Agenda No: 273-8**

**(File No: 8999/2022)**

**Proposed Rough stone quarry lease over an extent of 3.03.0 Ha in S.F.Nos. 908 & 914, Panaiyadiipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru A. Subbaraman - For Terms of Reference. (SIA/TN/MIN/72170/2022 Dt: 11.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

  
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1. The Project Proponent, Thiru A. Subbaraman has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 3.03.0 Ha in S.F.Nos. 908 & 914, Panaiyadipatti Village, Vembakottai 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 the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed -2,10,505 m<sup>3</sup> of Rough Stone and 88,280 m<sup>3</sup> of Gravel . The Annual peak production as per mining plan is 42900m<sup>3</sup> of Rough Stone(4<sup>th</sup> year) and 13860 m<sup>3</sup> of Gravel (1<sup>st</sup> to 5<sup>th</sup> year) with ultimate depth of 30 BGL.

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. Certified EC compliance report shall be included in the EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.

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

the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.


10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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).
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.

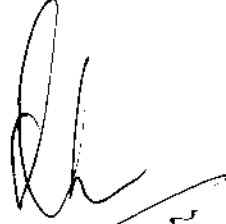
  
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17. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The 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
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
22. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
23. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

  
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**Agenda No: 273-9**

**(File No: 9010/2022)**

**Proposed Rough stone quarry lease over an extent of 15.61.0 Ha in S. F. Nos. 867/1, 867/2, 867/3, 869/1A1, 869/1A2, 869/1B, 869/1C, 869/2A, 869/2B, 870/3, 871/3A, 871/3B, 873/2, 874/1, 874/2A1, 874/2A2, 874/2B1, 874/3A1, 874/3A2, 874/3B, 875, 876/1, 876/2, 877/1, 877/2A, 877/2B, 878/1, 878/2, 879 and 881 Sevalur Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by Thiru E. Dhanapal - For Terms of Reference. (SIA/TN/MIN/72342/2022 Dt: 17.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

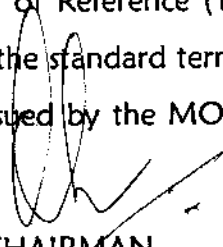
The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, Thiru E. Dhanapal has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 15.61.0 Ha in S. F. Nos. 867/1, 867/2, 867/3, 869/1A1, 869/1A2, 869/1B, 869/1C, 869/2A, 869/2B, 870/3, 871/3A, 871/3B, 873/2, 874/1, 874/2A1, 874/2A2, 874/2B1, 874/3A1, 874/3A2, 874/3B, 875, 876/1, 876/2, 877/1, 877/2A, 877/2B, 878/1, 878/2, 879 and 881 Sevalur Village, Sivakasi 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 the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed -1275934 m<sup>3</sup> of Rough Stone , 39600m<sup>3</sup> of weathered rock and 69197 m<sup>3</sup> of Gravel . The Annual peak production as per mining plan is 532735 m<sup>3</sup> of Rough Stone (5<sup>th</sup> year), 23100m<sup>3</sup> of weathered rock(3<sup>rd</sup> year) and 31297 m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate depth of 43 BGL.

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

  
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1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. Certified EC compliance report shall be included in the EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
6. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.

7. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
8. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
9. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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).

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
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time

frames for implementation.

22.If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

23.Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-10**

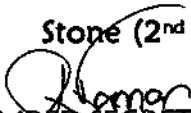
**(File No: 9011/2022)**

**Proposed Rough stone quarry lease over an extent of 3.46.0 Ha in S. F. Nos. 78/1 (P), 419, 420 Chikkarampalayam Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru A. Nandakumar- For Terms of Reference. (SIA/TN/MIN/72349/2022 DT: 17.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru A. Nandakumar has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 3.46.0 Ha in S. F. Nos. 78/1 (P), 419, 420 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. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed -386746 m3 of Rough Stone and 28470 m3 of Gravel . The Annual peak production as per mining plan is 80200 m3 of Rough Stone (2<sup>nd</sup> year) and 14094 m3 of Gravel (1<sup>st</sup> year) with ultimate depth of 47

  
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CHAIRMAN  
SEAC-TN

## BGL

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

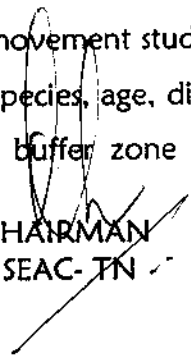
1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. Certified EC compliance report shall be included in the EIA report.
4. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
5. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed

area should clearly show the land use and other ecological features of the study area (core and buffer zone).

6. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
7. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
8. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
9. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
10. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
11. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
12. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its


  
MEMBER SECRETARY  
SEAC -TN

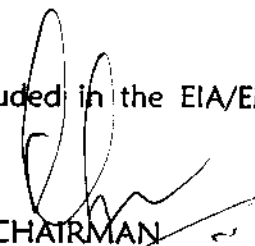
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CHAIRMAN  
SEAC- TN

management during mining activity.

13. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
14. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
15. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
16. The recommendation for the issue of "Terms of Reference" is subjected 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).
17. 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.
18. 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
19. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

20. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
21. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
22. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
23. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
24. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-11**

**(File No: 9016/2022)**

**Proposed Rough stone quarry lease over an extent of 3.86.0 Ha in S. F. Nos. 452/2, 452/3A, 452/3B and 452/4 of Melathattapparai Village, Thoothukudi Taluk, Thoothukudi District by Thiru P. Ananthakumar- For Terms of Reference. (SIA/TN/MIN/72390/2022 Dt: 18.02.2022)**

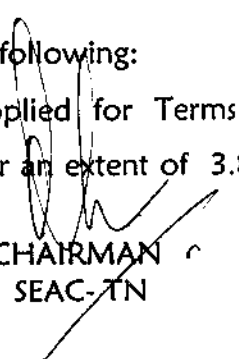
The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru P. Ananthakumar has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 3.86.0

  
MEMBER SECRETARY  
SEAC -TN

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CHAIRMAN  
SEAC- TN

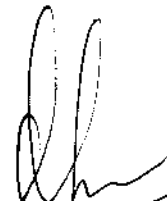
Ha in S. F. Nos. 452/2, 452/3A, 452/3B and 452/4 of Melathattapparai Village, Thoothukudi Taluk, Thoothukudi District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. **As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed -657283 m3 of Rough Stone, 5456 m3 of Gravel and 8184 m3 of weathered rock . The Annual peak production as per mining plan is 183809 m3 of Rough Stone (2<sup>nd</sup> year), 5456m3 of Gravel (1<sup>st</sup> year) & 8184 m3 of weathered rock (1<sup>st</sup> year) with ultimate depth of 45 BGL.**

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. Certified EC compliance report shall be included in the EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.

  
MEMBER SECRETARY  
SEAC -TN

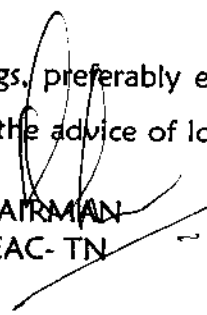
  
CHAIRMAN  
SEAC- TN

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

documentation in this regard may be provided.

10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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).
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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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


18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
22. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
23. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-12**

**(File No: 9022/2022)**

**Proposed Rough stone quarry lease over an extent of 3.00.0 Ha in S. F. Nos. 288 (P), Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Sumuka Blue Metals and M. Sand - For Terms of Reference.**

**(SIA/TN/MIN/72425/2022 Dt: 22.02.2022)**

  
MEMBER SECRETARY  
SEAC -TN

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CHAIRMAN  
SEAC- TN

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


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

1. The Project Proponent, M/s. Sumuka Blue Metals and M. Sand has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 3.00.0 Ha in S. F. Nos. 288 (P), Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed – 581518 m<sup>3</sup> of Rough Stone and 2964 m<sup>3</sup> of Top soil. The Annual peak production as per mining plan is 172549 m<sup>3</sup> of Rough Stone(4<sup>th</sup> year) and 2964 m<sup>3</sup> of Top soil (1<sup>st</sup> year) with ultimate depth of 62 BGL.

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 **Athimugam –II & Barigai Extn Reserve Forest** are located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

**Agenda No: 273-13**

**(File No: 9032/2022)**

**Proposed Rough stone quarry lease over an extent of 3.00.0 Ha in S.F.Nos. 429/1A, 429/2A and 429/2B Kattalankulam Village, Thoothukudi Taluk Thoothukudi District, by Thiru S. Ramachandran - For Terms of Reference. (SIA/TN/MIN/72435/2022 Dt: 21.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru S. Ramachandran has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 3.00.0 Ha in S.F.Nos. 429/1A, 429/2A and 429/2B Kattalankulam Village, Thoothukudi Taluk Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed -746040 m<sup>3</sup> of Rough Stone and 63840 m<sup>3</sup> of Gravel. The Annual peak production as per mining plan is 174840 m<sup>3</sup> of Rough Stone (3<sup>rd</sup> year) and 23028m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate depth of 47 BGL.

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

  
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2. Certified EC compliance report shall be included in the EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
6. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
7. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

8. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
9. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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).

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
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
22. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs

which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

23. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-14**

**(File No: 9033/2022)**

**Proposed Rough stone quarry lease over an extent of 1.43.0 Ha in S. F. Nos. 410/1A and 410/1B of Mooduthurai Village, Mettupalayam Taluk, Coimbatore District by Thiru M. Shanmugam - For Terms of Reference.**


**(SIA/TN/MIN/72419/2022 Dt; 21.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru M. Shanmugam has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 1.43.0 Ha in S. F. Nos. 410/1A and 410/1B of Mooduthurai 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. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years not to exceed -95546 m3 of Rough Stone 2294 m3 of Gravel and 1736 m3 of weathered rock. The Annual peak production as per mining plan is 20720 m3 of Rough Stone (4<sup>th</sup> year) 814m3 of Gravel (1<sup>st</sup> year) & 620m3 weathered rock (2<sup>nd</sup> & 3<sup>rd</sup> year) with ultimate depth of 44 BGL.

Based on the presentation made by the proponent and the documents furnished, SEAC decided to recommend the proposal for the grant of Terms of Reference (TOR)

  
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with Public Hearing, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

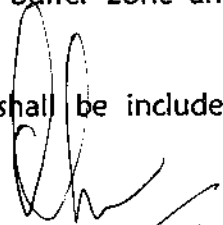
1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. Certified EC compliance report shall be included in the EIA report.
4. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
5. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
6. The PP shall carry out Drone video survey covering the cluster, Green belt .

fencing etc.,

7. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
8. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
9. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
10. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
11. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
12. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
13. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.

  
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14. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
15. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
16. The recommendation for the issue of "Terms of Reference" is subjected 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).
17. 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.
18. 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
19. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
20. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
21. The specific flora & fauna studies shall be carry out with the help of local

School/College students and the same shall be included in EIA Report.

22. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
23. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
24. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-15**

**(File No: 9034/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 1.42.0 Ha in S.F.Nos. 172/1B, 172/2 & 173/2A2 of Edaiyarpalayam Village, Sulur Taluk, Coimbatore District by Thiru N. Kathiresan - For Terms of Reference. (SIA/TN/MIN/72484/2022 Dt: 22.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru N. Kathiresan has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 1.42.0 Ha in S.F.Nos. 172/1B, 172/2 & 173/2A2 of Edaiyarpalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 year. The production as per

  
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**mining plan for 5 years not to exceed -65140 m3 of Rough Stone and 5712 m3 of Gravel. The Annual peak production as per mining plan is 15120 m3 of Rough Stone (3<sup>rd</sup> year) & 2016m3 of Gravel (3<sup>rd</sup> year) with ultimate depth of 27 BGL.**

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. Certified EC compliance report shall be included in the EIA report.
4. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.

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

- quality, soil quality & flora/fauna including traffic/vehicular movement study.
12. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
  13. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
  14. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
  15. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
  16. The recommendation for the issue of "Terms of Reference" is subjected 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).
  17. 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.
  18. 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

  
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- boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
19. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
  20. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
  21. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
  22. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
  23. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
  24. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-16**

**(File No: 9036/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 6.02.5 Ha in, S. F. Nos. 756/1 and 756/2 Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu by Thiru J. Raja Jebadoss - For Terms of Reference. (SIA/TN/MIN/72589/2022 Dt: 24.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the

  
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proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru J. Raja Jebadoss has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 6.02.5 Ha in S. F. Nos. 756/1 and 756/2 Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years is not to exceed – 1286775 m3 of Rough Stone, 257232 m3 of gravel & 191815 m3 of weathered Rock. The Annual peak production as per mining plan is 259045 m3 of Rough Stone(1<sup>st</sup> year) , 58512 m3 of gravel (1<sup>st</sup> year) and 39715 m3 of weathered rock (1<sup>st</sup> year) with ultimate depth of 62 BGL

The Committee noted that the PP has not turned up during the meeting, hence SEAC decided to defer the proposal and called for explanation for not attend the meeting.

**Agenda No: 273-17**

**(File No: 9041/2022)**

**Proposed Grain based distilleries for Ehanol Blended Petrol S. F. Nos. 33/2A, Thervoy kandigai Village, Gummidipoondi ,Tiruvallur District, Tamil Nadu by M/s SLB Ethnol Pvt Limited - For Terms of Reference. (SIA/TN/IND2/72579/2022 Dt: 23.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, M/s SLB Ethanol Pvt Limited has applied for Terms for Reference for the proposed Grain based distilleries for Ethanol Blended Petrol S. F. Nos. 33/2A, Thervoy kandigai Village, Gummidipoondi ,Tiruvallur District, Tamil Nadu, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects"

  
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of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the PP, the Committee noted that as per Notification S.O. 2339(E) Dt. 16.6.2021, the said proposal falls under B2 category. Further the Proponent also agree to withdraw this application (SIA/TN/IND2/72579/2022 Dt: 23.02.2022) for Terms of Reference and apply for Environmental Clearance under B2 category. Thereby the Committee decided to defer the proposal.

**Agenda No: 273-18**

**(File No: 9044/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 2.69.05 Ha in, S.F.Nos.343 & 344/1 Belladhi Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Tvl. Sri Blue Metals- For Terms of Reference. (SIA/TN/MIN/ 72625/2022 Dt: 25.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Tvl. Sri Blue Metals has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 2.69.05 Ha in S.F.Nos.343 & 344/1 Belladhi 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. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years is not to exceed – 4,83,960 m<sup>3</sup> of Rough Stone, 42,900 m<sup>3</sup> of gravel. The Annual peak production as per mining plan is 119560 m<sup>3</sup> of Rough Stone(3<sup>rd</sup> year) & 17446 m<sup>3</sup> of gravel (1<sup>st</sup> year) with ultimate depth of 47m (2m Gravel + 45m Rough stone)BGL.

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. Certified EC compliance report shall be included in the EIA report.
4. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
5. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study

area (core and buffer zone).

6. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
7. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
8. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
9. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
10. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
11. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
12. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its management during mining activity.

  
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13. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
14. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
15. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
16. The recommendation for the issue of "Terms of Reference" is subjected 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).
17. 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.
18. 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
19. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
20. A Risk Assessment and management Plan shall be prepared and included in the

EIA/EMP Report.

21. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
22. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
23. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
24. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-19**

**(File No: 9046/2022)**

**Proposed Rough stone quarry lease over an extent of 1.45.0 Ha in, S.F.Nos.94/1A, 94/9A & 94/10A at Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru. K.M.Subramanian - For Terms of Reference. (SIA/TN/MIN/ 72476/2022 Dt: 22.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru. K.M.Subramanian has applied for Terms for Reference for the proposed Rough stone quarry lease over an extent of 1.45.0 Ha in S.F.Nos.94/1A, 94/9A & 94/10A of Pachapalayam Village, Sulur Taluk, Coimbatore

  
MEMBER SECRETARY  
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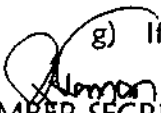
  
CHAIRMAN  
SEAC- TN

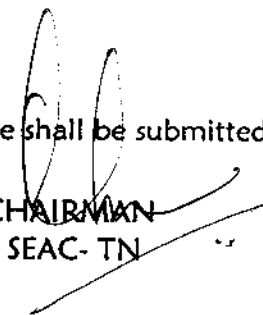
District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years is not to exceed – 1,01,330 m<sup>3</sup> of Rough Stone. The Annual peak production as per mining plan is 22220 m<sup>3</sup> of Rough Stone(3<sup>rd</sup> year) with ultimate depth of 27m (2m Gravel + 25m Rough Stone) BGL

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.

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

10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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).
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

  
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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

18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
22. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
23. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-20**

**(File No: 9047/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 3.62.0 Ha in, S.F.Nos. 54/2, 55/1 and 57/2 Thambagoundanpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. K. Ravikumar - For Terms of Reference. (SIA/TN/MIN/72703 /2022 Dt: 26.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project

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

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

1. The Project Proponent, Thiru. K. Ravikumar has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 3.62.0 Ha in S.F.Nos. 54/2, 55/1 and 57/2 Thambagoundanpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years is not to exceed – 2,73,335 m3 of Rough Stone, 8648 m3 of gravel & 12880 m3 of existing gravel dump. The Annual peak production as per mining plan is 60550 m3 of Rough Stone(5<sup>th</sup> year) & 8648 m3 of gravel (3<sup>rd</sup> year) with ultimate depth of 42m (2m Gravel + 40m Rough Stone) BGL.

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. Certified EC compliance report shall be included in the EIA report.
4. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

  
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- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
5. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
  6. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
  7. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
  8. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
  9. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

  
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SEAC -TN

  
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10. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
11. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
12. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
13. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
14. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
15. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
16. The recommendation for the issue of "Terms of Reference" is subjected 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).
17. 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.

18. 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
19. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
20. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
21. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
22. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
23. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
24. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the

Environment (Protection) Act, 1986.

Agenda No: 273-21

(File No: 9048/2022)

Proposed Rough stone & gravel quarry lease over an extent of 5.60.75 Ha in, S.F.Nos. 1034/1A, 1034/1B (P), 1052/1A, 1052/1B, 1052/1C, 1052/1E, 1052/1F, 1052/1G1, 1052/1G2, 1052/1H, 1052/1I1 & 1052/1I2 of Marudur Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru.R.Ravichandran - For Terms of Reference. (SIA/TN/MIN/72779/2022 Dt: 01.03.2022)

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru.R.Ravichandran has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 5.60.75 Ha in S.F.Nos. 1034/1A, 1034/1B (P), 1052/1A, 1052/1B, 1052/1C, 1052/1E, 1052/1F, 1052/1G1, 1052/1G2, 1052/1H, 1052/1I1 & 1052/1I2 Marudur 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. As per the mining plan, the lease period is 5 year. The production as per mining plan for 5 years is not to exceed – 5,42,025m<sup>3</sup> of Rough Stone, 88,614m<sup>3</sup> of Weathered Rock and 93,732m<sup>3</sup> of Gravel. The Annual peak production as per mining plan is 111100 m<sup>3</sup> of Rough Stone, 34692m<sup>3</sup> of Weathered Rock (1<sup>st</sup> year) and 37698 m<sup>3</sup> of Gravel with ultimate depth of 44m (10m AGL + 34m BGL).

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

  
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1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
6. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved

mining plan.

7. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
8. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
9. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.

15. The recommendation for the issue of "Terms of Reference" is subjected 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).
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
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
19. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be

indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

22.If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

23.Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-22**

**(File No: 9050/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 2.57.0 Ha in, S.F.Nos. 843/1, 843/2, 844/1 (P), 844/2 (P) & 844/3 of Nadanthai (North) Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Thiru. G.Prabakar - For Terms of Reference. (SIA/TN/MIN/72618/2022 Dt: 24.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru. G.Prabakar has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 2.57.0 Ha in S.F.Nos. 843/1, 843/2, 844/1 (P), 844/2 (P) & 844/3 Nadanthai (North) Village, Aravakurichi 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 the mining plan, the lease period is 5 year. The production as per mining plan for 5 years is not to exceed – 1,81,195m<sup>3</sup> of Rough stone , 25,912m<sup>3</sup> of Gravel. The Annual peak production as per mining plan is 36750 m<sup>3</sup> of Rough

  
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**Stone(2<sup>nd</sup> year) , 10428 m3 of gravel (3<sup>rd</sup>year) with ultimate depth of 42m (2m Gravel + 40m Rough Stone) BGL**

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. Certified EC compliance report shall be included in the EIA report.
3. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study

- area (core and buffer zone).
5. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
  6. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
  7. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
  8. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
  9. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
  10. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
  11. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.

  
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12. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
13. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
14. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
15. The recommendation for the issue of "Terms of Reference" is subjected 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).
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
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

19. A Risk Assessment and management Plan shall be prepared and included in the

  
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EIA/EMP Report.

20. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
21. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
22. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
23. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-23**


**(File No: 9051/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 2.60.5 Ha in, S.F.Nos. 1120/2 & 1121/2 of Bilichi Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by Tvl. Sri Rajalakshmi Samappa Building Materials Company- For Terms of Reference. (SIA/TN/MIN/ 72677/2022 Dt: 26.02.2022)**

The proposal was placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Tvl. Sri Rajalakshmi Samappa Building Materials Company has applied for Terms for Reference for the proposed Rough stone & gravel quarry lease over an extent of 2.60.5 Ha in S.F.Nos. 1120/2 & 1121/2 of Bilichi Village,

  
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Coimbatore North Taluk, Coimbatore District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 years. The production as per mining plan for 5 years is not to exceed – 2,53,220m<sup>3</sup> of Rough stone, 25576 m<sup>3</sup> of gravel & 15360m<sup>3</sup> of existing gravel dump. The Annual peak production as per mining plan is 51280 m<sup>3</sup> of Rough Stone(4<sup>th</sup> year) & 15360m<sup>3</sup> of gravel & gravel dump (2<sup>nd</sup> year) with ultimate depth - 37m (2m Gravel + 35m Rough Stone)  
**BGL**

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

1. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The PP shall carry out controlled blasting & vibration study with the reputed institution and furnish the same along with EIA report.
3. Certified EC compliance report shall be included in the EIA report.
4. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.

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

the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.

11. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
12. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
13. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
14. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
15. The PP shall produce/display the EIA report, Executive summary and other related with respect to public hearing should in Tamil Language also.
16. The recommendation for the issue of "Terms of Reference" is subjected 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).
17. 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.

18. 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
19. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
20. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
21. The specific flora & fauna studies shall be carry out with the help of local School/College students and the same shall be included in EIA Report.
22. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
23. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
24. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 273-24**

**(File No: 8258/2021**

**Proposed Sand quarry over an extent of 4.94.0 Ha in Cauvery River located at S.F.No: 2596/A(p) Nerur North (Mallampalayam) Village, Manmangalam Taluk, Karur District**

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN

**Tamil Nadu by the Executive Engineer, PWD/WRD– For amendment in Environmental Clearance. (SIA/TN/MIN/261184/2022 Dt.11.3.2022)**

The proposal was placed for appraisal in this 273<sup>rd</sup> SEAC Meeting held on 14.5.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.94.0 Ha in Cauvery River located at S.F.No: 2596/A(p) Nerur North (Mallampalayam) Village, Manmangalam Taluk, Karur District , Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.8258/EC/1(a)/4592/2021,Dt.27.3.2021 for the production quantity of 49400 m<sup>3</sup> of Sand in Cauvery River for the period of Two Years from the date of execution of the mining lease, with the following condition among them
  - i. The mine working will be Manual
  - ii. The project proponent is allowed to engage bullock carts to transport the sand.
4. The PP vide Lr No. DB/DO.1/F.23/26-M/Dt.11.2.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts. Due to Covid -19 Pandemic situation, the lease agreement for this Nerur North (Mallampalayam) Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge*

  
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*demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Nerur North (Mallampalayam) Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest".*

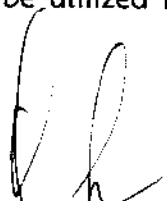
5. This proposal was placed before 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.

Now, the PP has furnished the revised mining plan. This proposal has again been placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, **SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers**, subject to the following specific conditions in addition to the other conditions stipulated in 204<sup>th</sup> SEAC ( vide Item no. 204-19) meeting held on 3.2.2021.

1. The Condition No 8 imposed in the minutes of 204<sup>th</sup> SEAC (vide Item no. 204-19) meeting held on 3.2.2021 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity sand shall be utilized for local needs.

  
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SEAC -TN

  
CHAIRMAN  
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4. 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.

**Agenda No: 273-25**

**(File No: 8260/2021**

**Proposed Sand quarry over an extent of 4.90.0 Ha in Cauvery river located at S.F.No: 539(p) Nanniyur Village, Manmangalam Taluk, Karur District Tamil Nadu by the Executive Engineer, PWD/WRD– For amendment in Environmental Clearance. (SIA/TN/MIN/261169/2022 Dt.11.3.2022)**

The proposal was placed for appraisal in this 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.90.0 Ha in Cauvery river located at S.F.No: 539(p) Nanniyur Village, Manmangalam Taluk, Karur District Tamil Nadu.
2. The project/activity is covered under category “B2” of Item 1(a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.8260/EC/1(a)/4594/2021, Dt.27.3.2021 for the production quantity of 48000 m<sup>3</sup> of Sand in Cauvery River for the period of Two Years from the date of execution of the mining lease, with the following condition among them
  - i. The mine working will be Manual
  - ii. The project proponent is allowed to engage bullock carts to transport the sand.
4. The PP vide Lr No. DB/DO.1/F.23//27-m Date 11.2.2022, has requested that, “As

  
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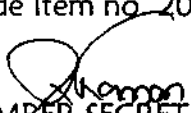
  
CHAIRMAN  
SEAC- TN

*per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts. Due to Covid -19 Pandemic situation, the lease agreement for this Nanniyur Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Nanniyur Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest".*

This proposal was placed before 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.

Now, the PP has furnished the revised mining plan. This proposal has again been placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, **SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers**, subject to the following specific conditions in addition to the other conditions stipulated in 204<sup>th</sup> SEAC ( vide Item no. 204-18) meeting held on 3.2.2021.

  
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1. The Condition No 8 imposed in the minutes of 204<sup>th</sup> SEAC (vide Item no. 204-18) meeting held on 3.2.2021 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity sand shall be utilized for local needs.
4. 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.

**Agenda No: 273-26**

**(File No: 7653/2020**

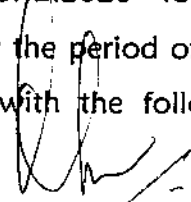
**Proposed Sand quarry over an extent of 4.90.0 Ha in Cauvery river located at S.F.No: 294(p) Nanjai Ediyur Village, Mohanur Taluk, Namakkal District Tamil Nadu by the Executive Engineer, PWD/WRD– For amendment in Environmental Clearance. (SIA/TN/MIN/261399/2022 Dt.12.3.2022)**

The proposal was placed for appraisal in this 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.90.0 Ha in Cauvery river located at S.F.No: 294(p) Nanjai Ediyur Village, Mohanur Taluk, Namakkal District Tamil Nadu.
2. The project/activity is covered under category “B2” of Item 1(a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr. No. SEIAA-TN/F.No.7653/EC/1(a)/4470/2020 Dt. 18.12.2020 for the production quantity 121514 m<sup>3</sup> of Sand in Cauvery river for the period of Two Years from the date of execution of the mining lease, with the following

  
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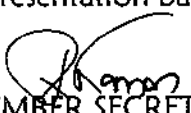
  
CHAIRMAN  
SEAC- TN

condition among them

- i. The mine working will be Manual
  - ii. The project proponent is allowed to engage bullock carts to transport the sand.
4. The PP vide Lr No. DB/DO.1/F.23/31-m/2022 Date 11.02.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts. Due to Covid -19 Pandemic situation, the lease agreement for this Nanjai Ediyur Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Nanjai Ediyur Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest"*.

This proposal was placed before 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.

Now, the PP has furnished the revised mining plan. This proposal has again been placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has made the representation based on the revised mining plan.

  
MEMBER SECRETARY  
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Based on the presentation & documents furnished by the PP, SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers, subject to the following specific conditions in addition to the other conditions stipulated in 182<sup>nd</sup> SEAC ( vide Item no. 182- 11) meeting held on 5.9.2020.

1. The Condition No 21 imposed in the minutes of 182<sup>nd</sup> SEAC ( vide Item no. 182- 11) meeting held on 5.9.2020 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity sand shall be utilized for local needs.
4. 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.

**Agenda No: 273-27**

**(File No: 7747/2020**

**Proposed Sand quarry over an extent of 4.00.0 Ha in South Vellar River located at S.F.No: 76(p) Perunavalur Village Aranthangi Taluk, Pudukkottai District, Tamil Nadu by the Executive Engineer, PWD/WRD– For amendment in Environmental Clearance. (SIA/TN/MIN/261540/2022 Dt. 13.3.2022)**

The proposal was placed for appraisal in this 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.00.0 Ha in South Vellar River located at S.F.No: 76(p) Perunavalur Village Aranthangi Taluk, Pudukkottai District, Tamil Nadu, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.

  
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3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.7747/EC/1(a)/4487/2020, Dt.12.1.2021 for the production quantity of 24152 m<sup>3</sup> of Sand and 19849 m<sup>3</sup> of Shols in South Vellar River for the period of One Year from the date of execution of the mining lease, with the following condition among them
- The mine working will be Manual
  - The project proponent is allowed to engage bullock carts to transport the sand.
4. The PP vide Lr No. DB/DO.1/F.23/32-M/Dt.11.2.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance , the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts . Due to Covid -19 Pandamic situation, the lease agreement for this Perunavalur Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Perunavalur Sand quarry operation may please be amended as Mechinery and Transportation mechanism as General (All Available mode of transport) at the earliest".*

This proposal was placed before 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberation.

  
MEMBER SECRETARY  
SEAC -TN

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CHAIRMAN  
SEAC -TN

Now, the PP has furnished the revised mining plan. This proposal has again been placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, **SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers**, subject to the following specific conditions in addition to the other conditions stipulated in 186<sup>th</sup> SEAC ( vide Item no. 186- 24) meeting held on 21.11.20.

1. The Condition No 21 imposed in the minutes of 186<sup>th</sup> SEAC (vide Item no. 186- 11) meeting held on 21.11.20 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity sand shall be utilized for local needs.
4. 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.

**Agenda No: 273-28**

**(File No: 7825/2020**

**Proposed Sand quarry over an extent of 2.10.0 Ha in Pambar River located at S.F.No: 219(P) Oriyur Village, Thiruvadanai Taluk, Ramanatahpuram District Tamil Nadu by the Executive Engineer, PWD/WRD– For amendment in Environmental Clearance. (SIA/TN/MIN/261226/2022 Dt. 11.3.2022)**

The proposal was placed for appraisal in this 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 2.10.0 in Pambar River Ha located at S.F.No: 219(P) Oriyur Village, Thiruvadanai

  
MEMBER SECRETARY  
SEAC -TN

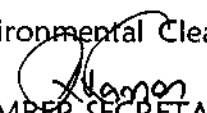
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CHAIRMAN  
SEAC- TN

Taluk, Ramanathapuram District , Tamil Nadu.

2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.7825/EC/1(a)/4501/2021, Dt.23.1.2021 for the production quantity of 19,772 m<sup>3</sup> of Sand and 13,383 m<sup>3</sup> of Shols in Pambar River for the period of One Year from the date of execution of the mining lease, with the following condition among them
  - i. The mine working will be Manual
  - ii. The project proponent is allowed to engage bullock carts to transport the sand.
4. The PP vide Lr No. 12m AE(T)/C.12-24/Oriyur/2022/Dt. 14.2.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance , the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts . Due to Covid -19 Pandemic situation, the lease agreement for this Oriyur Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Oriyur Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest"*.

This proposal was placed before 262nd SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the

  
MEMBER SECRETARY  
SEAC -TN

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CHAIRMAN  
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PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.

Now, the PP has furnished the revised mining plan. This proposal has again been placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, **SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers**, subject to the following specific conditions in addition to the other conditions stipulated in 186<sup>th</sup> SEAC ( vide Item no. 186- 26) meeting held on 21.11.20.

1. The Condition No 21 imposed in the minutes of 186<sup>th</sup> SEAC (vide Item no. 186- 26) meeting held on 21.11.20 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity sand shall be utilized for local needs.
4. 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.

**Agenda No: 273-29**

**(File No: 7063/2020**

**Proposed Sand quarry over an extent of 4.88.0 Ha in Kottakarai river located at S.F.No: 523(p) Pullamadai -II Village, R S mangalam Taluk, Ramanathapuram District Tamil Nadu by the Executive Engineer, PWD/WRD- For amendment in Environmental Clearance. (SIA/TN/MIN/261272/2022 Dt.12.3.2022)**


The proposal was placed for appraisal in this 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. The details of the project furnished by the proponent are given in the website ([parivesh.nic.in](http://parivesh.nic.in)).

  
MEMBER SECRETARY  
SEAC -TN

  
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The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.88.0 Ha in Kottakarai river located at S.F.No: 523(p) Pullamadai -II Village, R S mangalam Taluk, Ramanathapuram District Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr. No. SEIAA-TN/F.No.7063/EC/1(a)/4307/2020 Dt. 03.09.2020 for the production quantity 58098 m<sup>3</sup> of Sand in Kottakarai river for the period of Three Years from the date of execution of the mining lease, with the following condition among them
  - i. The mine working will be Manual
  - ii. The project proponent is allowed to engage bullock carts to transport the sand.
4. The PP vide Lr No. 13m/AE(T)/C.12-12/Pullamadai/2022 Dt. 14.2.2022 has requested that, *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts. Due to Covid -19 Pandemic situation, the lease agreement for this Pullamadai Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Pullamadai Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest".*

  
MEMBER SECRETARY  
SEAC -TN

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CHAIRMAN  
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This proposal was placed before 262<sup>nd</sup> SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.

Now, the PP has furnished the revised mining plan. This proposal has again been placed in 273<sup>rd</sup> SEAC meeting held on 14.5.2022. The project proponent has made the representation based on the revised mining plan.

Based on the presentation & documents furnished by the PP, **SEAC decided to recommend the proposal for grant of Environmental Clearance with semi mechanized mining operation & transportation through bullock cart, tractors & Tippers**, subject to the following specific conditions in addition to the other conditions stipulated in 162<sup>nd</sup> SEAC ( vide Item no. 162- 07) meeting held on 17.9.2019.

1. The Condition No 24 imposed in the minutes of 162<sup>nd</sup> SEAC ( vide Item no. 162- 07) meeting held on 17.9.2019 is removed.
2. The mining operation shall be carried out as per the modified mining plan submitted to the SEAC/SEIAA.
3. The PP shall allocate 10% of total quantity sand shall be utilized for local needs.
4. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this minute.

  
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SEAC -TN

  
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## Appendix -I


### List of Native Trees Suggested for Planting

1. *Aegle marmelos*-Vilvam
2. *Adenaanthera pavonina*-Manjadi
3. *Albizia lebbek*-Vaagai
4. *Albizia amara*-Usil
5. *Bauhinia purpurea* - Mantharai
6. *Bauhinia racemosa* - Aathi
7. *Bauhinia tomentosa*-Iruvathi
8. *Buchanania aillaris*-Kattuma
9. *Borassus flabellifer*-Panai
10. *Butea monosperma* - Murukkamaram
11. *Bobax ceiba*- Ilavu, Sevvilavu
12. *Calophyllum inophyllum* - Punnai
13. *Cassia fistula*- Sarakondrai
14. *Cassia roxburghii*- Sengondrai
15. *Chloroxylon swietenia* - Purasamaram
16. *Cochlospermum religiosum*- Kongu, Manjallavu
17. *Cordia dichotoma*- Mookuchalimaram
18. *Creteva adansonii*-Mavalingum
19. *Dillenia indica*- Uva, Uzha
20. *Dillenia pentagyna*- Siru Uva, Sitruzha
21. *Diospyros ebenum*- Karungali
22. *Diospyros chloroxylon*- Vaganai
23. *Ficus amplissima*- Kallitchi
24. *Hibiscus tiliaceus*-Aatrupoovarasu
25. *Hardwickia binata*- Aacha
26. *Holoptelia integrifolia*-Aayili
27. *Lannea coromandelica* - Odhiam
28. *Lagerstroemia speciosa* - Poo Marudhu
29. *Lepisanthus tetraphylla*- Neikottaimaram
30. *Limonia acidissima* - Vila maram
31. *Litsea glutinosa*-Pisinpattai
32. *Madhucal longifolia* - Illuppai
33. *Manilkara hexandra*-Ulakkai Paalai
34. *Mimusops elengi* - Magizhamaram
35. *Mitragyna parvifolia* - Kadambu
36. *Morinda pubescens*-Nuna
37. *Morinda citrifolia*- Vellai Nuna
38. *Phoenix sylvestre*-Eachai
39. *Pongamia pinnata*-Pungam
40. *Premna mollissima*- Munnai

  
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41. *Premnaserratifolia*- Narumunnai
42. *Premnatomentosa*-PurangaiNaari, PudangaNaari
43. *Prosopiscinerea* - Vannimaram
44. *Pterocarpusmarsupium* - Vengai
45. *Pterospermumcanescens*-Vennangu, Tada
46. *Pterospermumxylocarpum* - Polavu
47. *Puthranjivaroxburghii*-Puthranjivi
48. *Salvadorapersica*- UgaaMaram
49. *Sapindusemarginatus*- Manipungan, Soapukai
50. *Saracaasoca* - Asoca
51. *Streblusasper*- Pirayamaram
52. *Strychnosnuxvomica*-Yetti
53. *Strychnopotatorium* - TherthangKottai
54. *Syzygiumcumini* - Naval
55. *Terminaliabellerica*- Thandri
56. *Terminalia arjuna*- Venmarudhu
57. *Toona ciliate* - Sandhanavembu
58. *Thespesiapopulnea*- Puvarasu
59. *Walsuratrifoliata*-valsura
60. *Wrightiatinctoria*- Vep

  
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**Appendix-II**  
**Display Board**  
**(Size 6' x5' with Blue Background and White Letters)**

-----சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி ----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பசுமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
நடப்பட்டு பராமரிக்கப்படவேண்டிய மரங்கள் எண்ணிக்கை:	சுரங்கப்பாளையின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு சுரங்க 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 பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி எவக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சுரங்க சுட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணிபார்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுகாதாரமுள்ள சுழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலையை தொடர்ந்து தன்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்திணைகள் பாதிக்கப்படக் கூடாது.	
நீர்திணைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தூத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விலங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் ( <a href="https://parivesh.nic.in">https://parivesh.nic.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கும் செவ்வனையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருக்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

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