

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of 339<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 22.12.2022 (Thursday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, PanagalMaligal, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 339-01

(File No: 325/2010)

Proposed Software Development Complex at S.No.240Pt of Siruseri Village & 117Pt of Kazhipattur Village. SEZ SIPCOT IT Park, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu by M/s.Cognizant Technology Solutions India Private Limited - For Extension of Environmental Clearance.(SIA/TN/MIS/261270/2022 dated 11.03.2022)

Earlier, this proposal was placed in 325<sup>th</sup> Meeting of SEAC held on 03.11.2022.

The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**


1. The Project Proponent, M/s Cognizant Technology Solutions India Private Limited has applied for Extension of Environmental Clearance for Software Development Complex at S.No.240Pt of Siruseri Village & 117Pt of Kazhipattur Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8 (a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Environmental Clearance was issued vide Letter No.SEIAA/TN/EC/8(a)/097/F-325/2010/dt 14.10.2010.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Now the proposal was placed in this 339<sup>th</sup> Meeting of SEAC held on 22.12.2022.

Based on the presentation and documents furnished by the project proponent, SEAC noted that the PP has obtained EC vide Lr.No.SEIAA/TN/EC/8(a)/097/F-325/2010 dated 14.10.2010 valid for 5 years. Now the PP proposes to increase the head count from 10075 to 15615nos (5540 Nos) in order to meet growing business requirements and to operate multiple shifts from existing development centre. Due to increase in

  
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proposed head count, there will be additional intake of fresh water, water usage, sewerage generation, sewage disposal, solid waste generation, E-waste generation etc..

Hence SEAC decided that the PP shall apply under 'Expansion' along with the following documents,

- (i) The project proponent shall furnish certified compliance report from the IRO/MoEF, Chennai.
- (ii) The project proponent shall furnish green belt details provided in the site.
- (iii) The project proponent shall furnish adequacy report from a reputed institute like IIT, Anna University etc., for the proposed STP.

Since the built-up area is about 3,74,289m<sup>2</sup>, the PP shall apply for ToR for its expansion activity.

**Agenda No: 339-02**

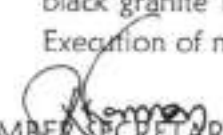
**(File No: 715/2022)**

**Existing Black Granite quarry lease over an extent of 4.19.5 Ha S.F.Nos.196, Nekkunthi Village, Dharmapuri Taluk, Dharmapuri District, Tamil Nadu by M/s TAMIN - For amendment to Environmental Clearance . (SIA/TN/MIN/275846/2022 Dt: 31.05.2022)**

The proposal was earlier placed in the 291<sup>st</sup> meeting of SEAC held on 02.07.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

- In the Mineral Concession Rules, 1960, (hereinafter referred to as the principal rules), in rule 2, in sub rule (1), after clause (vii), the following clause is inserted, namely:-  
*"(vii a) "run-of-mine" means the raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area;"*
- The project proponent has issued with Environmental Clearance vide Lr.No.05/DEIAA-DPI/EC.No.05/2018 dated: 14.8.2018 for the production of black granite 1824 m<sup>3</sup> Black Granite for the period of 5 Years from the date of Execution of mining lease.

  
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- Now, the project proponent has applied for the following amendment to the existing Environmental Clearance:

Production quantity as per EC	Amendment Sought
1824 m <sup>3</sup> Black Granite for the period of 5 Years	3690 m <sup>3</sup> of RoM per Annum

The project proponent also furnished the following:

- The TAMIN production targets are conservative and follow the government mining rules and regulations to quarry the Black granite, Dolerite at this location and sold to international and domestic markets.
- The project proponent is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be backfilled into the worked out granite quarry faces during the final closure plan, with a view to restore the land to its original use (or) desired alternate use.
- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as indicated by the SEAC, as a part of progressive mine closure plan.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.
- It is submitted that the environmental impact is directly linked to ROM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- Since the EC limits saleable production quantity (recovery only), it is observed that our quarry managers tend to extricate a very miniscule quantity of absolutely defect free material.
- In many quarries the recovery falls down to very low value as 2% of RoM. This is neither in the interest of revenue generation for TAMIN (or) the State Government and also it is also not helping to protect the environment.
- Mining recoverable reserves may vary subject to the quality of Granite mining method and Geological features such as structural, textural formations and the market demand for the Granite being mined.
- It is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.

  
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SEAC carefully considered the request of the project proponent based on the presentation made and the details furnished by the project proponent. SEAC noted the following.

1. Project proponent has requested the following amendment.

Production qty as per EC	Amendment sought
1824 m <sup>3</sup> Black Granite for the period of 5 Years	3690m <sup>3</sup> of RoM per Annum

2. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
3. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc, and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
4. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.
5. EMP for the project has been finalized based on total RoM& peak annual RoM and not based on 'saleable mineral.'
6. SEAC noted that the project proponent has not asked for any change in the area, or in RoM, or in the peak annual RoM.

Considering all the above, the Committee recommends the following amendment to the EC subject to the certain conditions.

Production qty as per EC	Amendment Recommended
1824 m <sup>3</sup> Black Granite for the period of 5 Years	3690 m <sup>3</sup> of peak RoM per Annum

Subsequently the subject was placed before SEIAA in its 536<sup>th</sup> meeting held on 26.07.2022. The Authority noted that as per the approved mining plan/progressive closure plan submitted & as per the Point no. 31 (Storage of overburden, waste rock etc) of Chapter-VI of Granite Conservation & Development Rules, 1999.

  
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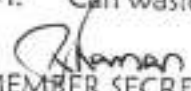
- I. The overburden, waste rock and non-saleable granite generated during prospecting or mining operations for granite shall be stored separately in properly formed dumps on grounds earmarked.
- II. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.
- III. Wherever possible, such waste rock or overburden or other rejects, shall be backfilled into the worked out granite quarry, where granite has been recovered upto the optimum depth, with a view to restore the land to its original use or desired alternate use, as far as possible and where the backfilling is not feasible, the waste dumps shall be suitable terraced and stabilised by planting vegetation or otherwise.


As per the Point no. 32 (Reclamation and Rehabilitation of lands) of Chapter-VI of Granite Conservation & Development Rules, 1999.

"Every lease holder shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by prospecting or mining operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry".

The Authority after detailed discussions, decided to **refer back** the proposal to SEAC for specific recommendation with justification for grant of Environmental clearance on the quantity of mineable mineral in terms of ROM quantity instead of Production quantity after the receipt of following details from the project proponent.

- I. The proponent shall submit the details of utilization of total quantity of granite Waste till the life of the quarry period for beneficial purpose.
- II. The proponent shall submit revised progressive mine closure & rehabilitation plan.
- III. To furnish approval obtained from the competent authority details of utilization of quantity of granite Waste for beneficial purpose as per market trend and revised progressive mine closure & rehabilitation plan proposed quarry pits till the life of the quarry period.
- IV. Long term and short term ecological and environmental impacts due to storage, handling, and transportation of granite waste for beneficial purpose (or) otherwise.
- V. AD/Competent authority of Geology & Mining Dept. justification for according permission in terms of ROM quantity instead of production quantity.
- VI. Can waste and such tailings be used for land back fills?

  
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- VII. Mine closure plans and EMP in detail. How can the granite mine site be reclaimed to near natural and pre-mining condition?
- VIII. Action plan for protection of open and abandoned open spots as they are Hotspot for toxic water accumulation, contamination and accidents.
- IX. On impact due to transportation of the granite waste on the access road and the equipment, and social impacts.

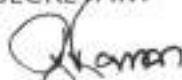
Further the Proponent shall furnish the following additional particulars:

- 1. Certified compliance report for the existing quarry.
- 2. Valid scheme of mining stating the required product.

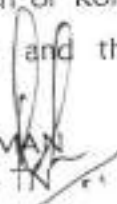
Hence the proposal was placed for reappraisal in this 304<sup>th</sup> meeting of SEAC held on 21.08.2022. The Project proponent furnished the clarifications for the points raised by SEIAA as given below:

- 1. As per the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016, the term 'run-of-mine' (RoM) is defined as *"the raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area"*, this includes the saleable ore mined after the processing, intercalated waste and mineral rejects/subgrade mineral.
- 2. The quantity of 'recovered saleable ore' depends on many factors such as the geology of the site, physical & geomechanical properties of the rock, quarrying technology, market demand etc. Further, the 'Recovery' is difficult to be estimated always precisely due to poor density & thickness of the granite, poor porosity, Visual appearance where it is being observed with dings, dents, scratches or uneven surfaces and however the RoM can easily be quantified at the time of preparation of mining plan.
- 3. The PP have informed that the 'Total Excavation' including ROM ore from which saleable fraction is produced are taken into consideration **from the view point of economic viability of project** during the approval of Mining Plan.
- 4. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM which includes the Recovery (Ore), and mineral waste, and the overburden/side burden waste were mentioned.

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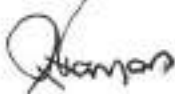
5. The EMP for the project has been finalised based on total RoM& peak annual RoM and not based on 'meagre quantity of saleable ore'.
6. Further it is pragmatic to consider total rock excavation from the point of view of Environmental Clearance, rather than production of saleable fraction of ore (or) the RoM (the extracted material from ore zone inclusive of mineral reject, intercalated waste or gangue minerals, if any).
7. During the approval of Mining Plan, the total excavation including RoM ore from which saleable fraction is produced are taken into consideration.
8. It is also clarified that total rock excavation may differ to generate same amount of RoM on year to year basis.
9. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.
10. By allowing the mineral rejects to be moved out from the leasehold area, the pollution caused due to excessive storage of mineral rejects (Granite rejects obtained from ROM) is reduced considerably. Besides, as per Rule 64B (2), If the Run-of-Mine is removed from the leased area, then royalty shall be payable on the unprocessed Run-of-Mine (ROM) mineral depending on its grade.
11. The PP has informed the entire quarrying operation will be carried out in accordance with the provisions of the Granite Conservation & Development Rules, 1999.

However, based on the additional particulars furnished by the Project proponent, SEAC noted that the PP has not furnished certified compliance report issued by MoEF&CC (or) TNPCB for its existing EC and . Hence it was decided to call for the following details from the PP.

- The PP shall furnish the certified compliance report issued by MoEF&CC/TNPCB for its existing EC.

Now the proposal was taken up in this 339<sup>th</sup> meeting of SEAC held on 22.12.2022. The Committee noted that the PP is yet to furnish the aforesaid certified compliance report. Hence SEAC decided to defer the subject and directing the proponent to submit

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the document as called above.

**Agenda No: 339 - 03**

**(File No: 716/2022)**

**Existing Black Granite quarry lease over an extent of 4.00.0 Ha S.F.Nos.3(Part)**

**Kaveripuram Village, Mettur Taluk, Salem District, Tamil Nadu by M/s TAMIN - For amendment in Environmental Clearance issued. (SIA/TN/MIN/294132/2022 Dt: 17.11.2022)**

The proposal was placed in 339<sup>th</sup> SEAC meeting held on 22.12.2022. 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).

**SEAC noted the following:**

- The PP was accorded Environmental Clearance vide Lr. No. DEIAA-DIN/TN/MIN/10878/2017-SLM-Ec.No.13/2017 Dt. 17.5.2018 for the production of Black Granite: 8880 m<sup>3</sup> in the period of 5 Years from the date of Execution of mining lease.
- Now, the PP has applied for amendment in the existing EC issued for the following.

Production qty as per EC	Amendment Sought
Black Granite: 8,880 M <sup>3</sup> @ 10% recovery in the period of 5 Years	Black Granite: 17,760 M <sup>3</sup> @ 20% recovery in the period of 5 Years

SEAC carefully considered the request of the PP based on the presentation made and the details furnished by the PP. SEAC noted the following.

1. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
2. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc. and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
3. SEAC recommended EC for the project based on the EIA/PFR/EMP report and

  
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approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.

4. The mine is in operation and compliance with the conditions as given in the EC.
5. EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'saleable mineral.'
6. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.

Considering all the above, the Committee recommends the following amendment to the EC subject to the following conditions.


Production qty as per EC	Amendment Recommended
Black Granite: 8880 M <sup>3</sup> in the period of 5 Years	17763 M <sup>3</sup> of peak RoM per Annum

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt:12.4.2022.
2. The existing conditions as mentioned in the EC vide Lr. No. DEIAA-DIA/TN/MIN/10878/2017-SLM-ECN).13/2017 Dt. 17.5.2018 remains unaltered.
3. 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 Minutes.

**Agenda No: 339-04**

**(File No: 1476/2013)**

**Proposed of Rough stone Quarry lease over an extent of 4.94.0 Ha in S.F.No. 619/2 of Keezha Vallanadu Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu by Thiru. S. Murugan- for Extension of Environmental Clearance.**  
**(SIA/TN/MIN/262325/2022 Dated 17.03.2022)**

  
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The proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru.S.Murugan has applied for Extension of Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 4.94.0Ha at S.F.No.619/2 of Keezha Vallanadu Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Environmental Clearance issued vide letter no. SEIAATN /F.No. 1476/EC /1(a)/ 829/2013 dated 17.10.2013.

Now the proposal was taken up in this 339<sup>th</sup> meeting of SEAC held on 22.12.2022. The Committee noted that the PP has not attend the meeting. Hence SEAC decided to defer the subject.

**Agenda No: 339-05**

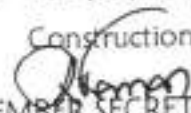
**(File No: 2750/2014)**


**Proposed Construction of residential Complex comprised in TS.No-8/2, 8/3, 8/4, 18/1, 18/2, 18/3, 18/4, 19/2, 19/3, 19/4, 19/5, Ward No.D, Block No.8, Tambaram village, Tambaram Taluk, Chengalpattu District, Tamil Nadu by M/s Kesariya Housing Developers - for Extension of Environmental Clearance. (SIA/TN/MIN/256752/2022 Dated 15.02.2022)**

The proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, M/s Kesariya Housing Developers has applied for Extension of Environmental Clearance for Proposed Construction of residential Complex comprised in TS.No-8/2, 8/3, 8/4, 18/1, 18/2, 18/3, 18/4, 19/2, 19/3, 19/4, 19/5, Ward No.D, Block No.8, Tambaram village, Tambaram Taluk, Chengalpattu District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

  
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3. Environmental Clearance issued vide - Lr. No.SEIAA-TN/F.No.2750/EC (8a)/376/2014, dated 18.03.2015.

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

- (i) The PP has applied for extension of EC and name change Amendment for

S.No	As per Existing Ec	As per Existing EC	Proposed Amendment In EC
1	Name of the project	M/s.Kesariya Housing Developers	M/s.LML Homes LLP
2	District	Kancheepuram	Chengalpattu

- (ii) The property M/s.Kesariya Housing Developers was purchased by M/s.LML Homes LLP and MoU has been signed between M/s.Kesariya Housing Developers and M/s.LML Homes LLP.
- (iii) As per MoEF notification dated 13<sup>th</sup> December 2022 and 12<sup>th</sup> April 2022, "The prior EC granted for an existing or new project in case of all the projects shall be valid for a period of Ten years".
- (iv) As per OM dated 13/12/2022, the EC is extended till 17.03.2025.

Hence the committee decided to recommend the EC extension up to 17.03.2025 and name change as M/s.LML Homes LLP. All other conditions stipulated in EC issued vide Lr. No.SEIAA-TN/F.No.2750/EC (8a)/376/2014, dated 18.03.2015 remains unaltered.

Agenda No: 339-06

File No: 3064/2022

Proposed Construction of Medical college and Hospital buildings at S.No.88/1B1B, 1B2B, 1B3B, 2B1B, 2B2, 3, 4, 5, 6, 7, 8A (Pt.), 8B, S.No.89/1B1B, 1B2B, 1B3B, 1B4B, 1B5B, 1B6, 2, S.No.90/1, 2A, 2B, 2C, 2D, 2E, 2F, 3A, 3B, 3C, 3D, S.No.91/2, S.No.94/1(Pt.), 97/2A2, 2B, 2C, 3B1B, 3B2B, 3B3B, 3B4B, 3B5B, 3B6, 3B7, 4A, 4B, 4C, 4D, 5A, 5B, 7A, 7B in Veerapandi village, S.No. 38, 39(Pt.), 48/8(Pt.), 9, 10, 11, 16, S.No. 54/1, 2, 3, 4, 8, 10, 11, 12, 13, 15, 17, 21, 22, 23, 24, 25, 26, 27, S.No. 55/1, 2(Pt.), 3, 4, 5, S.No. 117/1, 3(Pt.), S.No.118/1, 2, 3, S.No.119/1, 2, 7, 8, 9, S.No.120/6, 7 in Nalrayanpatti Village, S.No.37/2C, 2E, 2F, S.No.40/1N, 2, 3D (Pt.), S.No.42/5A, 6A, 6B, 6E, 6F, 6I, 6J, 6K, 7, 8A, 9, 10, 11A, 11B, 13 in Chinnaseeragapadi Village, Veerapandi Panchayat Union, Salem Taluk, Salem District, Tamil Nadu by M/s.Vinayaka Missions KirupanandaVariyar Medical College & Hospital - For amendment in Environmental Clearance Issued.(SIA/TN/MIS/267469/2022, Dated: 12.04.2022)

The proposal is placed in this 339<sup>th</sup> SEAC meeting held on 22.12.2022. Earlier, the

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proposal was placed for appraisal in 321<sup>st</sup> meeting of SEAC held on 14.10.2022.

The SEAC noted the following:

1. The PP was issued with Environmental Clearance vide Letter.No.SEIAA-TN/F.No.3064/ EC/8(a)/4863/2021 dated:30.10.2021 under violation category
2. Now, the PP has applied for amendment for the following in the existing EC issued:

S.No	Description	As per EC issued	Amendment sought
1	Utilities – water (in KLD)	Total water requirement – 660 Fresh water requirement – 287 Domestic (Fresh water) – 262 Lab & OT (Fresh water) – 25 Toilet flushing (Recycled water) – 110 Greenbelt & OSR (Recycled water) – 263	Total water requirement – 660 Fresh water requirement – 397 Domestic (Fresh water) – 262 Lab & OT (Fresh water) – 25 Toilet flushing (Fresh water) – 110 Greenbelt & OSR (Recycled water) – 263
2	Waste water treated sewage & mode of disposal with quantity	Treated waste water – 352 KLD Flushing – 110 KLD Greenbelt & OSR – 263 KLD HVAC – 89 KLD	Treated waste water – 352 KLD Greenbelt & OSR – 263 KLD Avenue Plantation – 89 KLD
3	No.of beds to be included in product column	-	630
4	D.G. Set	D.G. Sets of 250 KVA – 2 Nos.	D.G. Sets 250 KVA – 1 No. (proposed) & D.G. Sets 82.5 KVA – 3 Nos. (Proposed)

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			Totally 6 Nos. of DG set (3Nos of 250 KVA & 3 Nos. of 82.5 KVA)
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Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent:

- i) A Commitment letter from competent authority for supply of 397 KLD of fresh water shall be furnished.
- ii) A revised letter from competent authority regarding the acceptance of treated waste water for avenue plantation shall be furnished.
- iii) The proponent shall furnish the details of difference between the Earlier EC issued and amendment sought in a detailed tabular form with reason/remarks for each.

Subsequently, the proposal was placed in 566<sup>th</sup> SEIAA meeting held on 01.11.2022 and the authority decided to obtain the following details from the project proponent in addition to those called by SEAC:

1. The proponent shall furnish details on the provisions made in the disaster management plan to meet climate-related vagaries, shocks and stresses.
2. The proponent shall furnish details on the prompt action taken to mitigate carbon emissions, GHGs and to reduce carbon footprint so as to enable health comforts.

On receipt of the additional particulars submitted by the proponent, the proposal is again placed in this 339<sup>th</sup> SEAC meeting held on 22.12.2022.

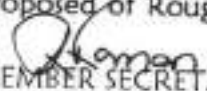
Based on the presentation & documents furnished by the PP, the SEAC noted that the points raised by SEIAA have been adequately replied to by the PP and therefore, decided to recommend the above mentioned amendments, as requested, in the existing EC issued subject to the following conditions.

1. The existing conditions as mentioned in the EC vide Letter.No.SEIAA-TN/F.No.3064/ EC/8(a)/4863/2021 dated: 30.10.2021 remains unaltered.

**Agenda No: 339-07**

**(File No: 3828/2015)**

**Proposed of Rough stone Quarry lease over an extent of 2.00.0Ha in S.F.Nos. 70/9**

  
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(South Part) of Goundampalayam Village, Gobi Taluk, Erode District, Tamil Nadu by Thiru.M.Srinivasan - for Terms of Reference Violation .(SIA/TN/MIN/64728/2021)

The proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru.M.Srinivasan has applied for Terms of Reference Violation for the proposed Rough Stone quarry lease over an extent of 2.00.0Ha at S.F.No.70/9 (South Part) of Goundampalayam Village, Gobi Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry, (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for preparation of EIA report for EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of 'polluter pays' in such cases, SEAC decided to recommend the following course of action.

- i. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
- ii. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.
- iii. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing necessary opportunity to the PP in this regard in accordance with

  
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- iv. SEIAA may initiate action under Sec.19 of EP Act against the PP.
- v. SEIAA may direct the PP to withdraw duplicate files with online number 32385 (EC application) dated 02.11.2015 and 22450 (ToR application) dated 18.03.2018 for the same site.

**Agenda No: 339-08**

**(File No: 4052/2015)**


**Proposed of Colour Granite Quarry lease over an extent of 17.09.0Ha in S.F.No. 1456 &1458 of Sivanmalai Village, Kangeyam Taluk, Tiruppur District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - for Terms of Reference Violation.(SIA/TN/MIN/27269/2018 Dated 24.08.2017)**

The proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, M/s. Tamil Nadu Minerals Limited has applied for Terms of Reference Violation for the proposed Colour Granite quarry lease over an extent of 17.09.0Ha at S.F.No.1456 &1458 of Sivanmalai Village, Kangeyam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the project proponent, SEAC observed that the project proponent has submitted the documents regarding the particulars of the lease and mining working. It was observed that mine was in operation without obtaining Environmental Clearance. As the case above stands affirmative, the project is being granted Terms of Reference for undertaking Environmental Impact Assessment and preparation of EMP. The SEAC recommends the Terms of Reference for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial

  
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research Institutions working in the field of environment. Three months data relating to the ecological parameters is to be submitted with analysis.

The project proponent, besides above, has to also submit the Affidavit/ No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957. The amounts so payable to the state government for the Granite would inter-alia, account for the mining operation in violation of the following:-

- Without Environmental Clearance (EC) or in excess of quantity approved in EC.
- Without consent to Operate (CTO) or in excess of quantity approved in CTO.
- Without mining plan/scheme of mining or in excess of quantity approved in mining plan/scheme of mining.
- Without forest clearance
- Any other violation.

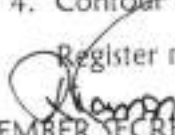
The project proponent is hereby directed to furnish Affidavit as per the guidelines issued by MoEF& CC, in connection with the orders of the Hon'ble Supreme court and the annexure provided by SEIAA, while submitting EIA/EMP for consideration of EC.

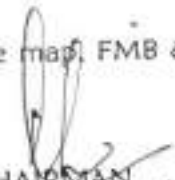
Based on the presentation made by the proponent and the documents furnished, **the committee decided to recommend for the grant of Standard ToR under Violation category** for mining projects as specified by MoEF& CC subject to the above conditions in addition to the Additional ToR specified (Annexure-I) by the SEAC to deal with the violation aspects of the mining projects. The public hearing shall be conducted as per the directions of Hon'ble High of Judicature at Madras.

In addition to the above, the proponent shall submit the following details:

1. The report for green belt developed with necessary photographs.
2. The proponent shall furnish the photographs for fencing around the project site.
3. The proponent shall furnish the proposal for CER.
4. Contour map for the 1 Km radius surrounding the site, village map, FMB & A

Register may be furnished.

  
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5. The proponent furnish in affidavit undertaking inter-alia includes commitment of the Project Proponent not to repeat any such violation in future as follows as per MoEF& CC, Office Memorandum No. F.No.3-50/2017-IA.III(Pt.) dated:30.05.2018.
6. "I/We, the applicant / the Project Proponent, commit to comply with all the statutory requirements and judgments of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No.114 of 2014 in the matter of the common cause versus Union of India and Ors. Before grant of ToR/ EC and I am also to commit, not to repeat any such violation in future. In case of any violation of the above the ToR/Environmental Clearances shall be liable to be terminated forthwith".

Further the PP shall withdraw the duplicate file with online number 30235 (EC application) dated 20.08.2015.

**Agenda No: 339-09**

**(File No: 4311/2015)**

**Proposed of Rough stone Quarry lease over an extent of 1.14.0Ha in S.F.No. 3(P) of Santhiyur Village, Salem Taluk, Salem District, Tamil Nadu by Thiru.P.Thirugnanam - for Terms of Reference Violation .(SIA/TN/MIN/ 23249/2018 Dated 05.04.2018)**

The proposal was placed in 339th Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru.P.Thirugnanam has applied for Terms of Reference Violation for the proposed Rough stone quarry lease over an extent of 1.14.0Ha at S.F.No.3(P) of Santhiyur Village, Salem Taluk, Salem 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. PP intended to withdraw the proposal.

Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry. (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for

  
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preparation of EIA report for fresh EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of 'polluter pays' in such cases. SEAC decided to recommend the following course of action.

- i. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
- ii. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.
- iii. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing necessary opportunity to the PP in this regard in accordance with law.
- iv. SEIAA may initiate action under Sec.19 of EP Act against the PP.
- v. SEIAA may direct the PP to withdraw duplicate file with online number 27402 (ToR application) dated 18.07.2017 for the same site.

**Agenda No: 339-10**

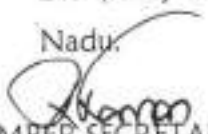
**(File No: 4340/2015)**

**Rough Stone Quarry over an extent of 2.00.0Ha at S.F.No. 219 (Part), Masinaickenpatty Village, Valapadi Taluk, Salem District, Tamil Nadu by Thiru.T.Kasiviswanathan - For Terms of Reference under Violation. (SIA/TN/MIN/23248/2018 Dt: 05.04.2018)**

The proposal was placed in the 339<sup>th</sup> meeting of SEACHeld on 22.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent Thiru. T. Kasiviswanathan has applied for Terms of Reference for the Rough Stone Quarry over an extent of 2.00.0Ha in S. F No. 219 (Part) of Masinaickenpatty Village, Valapadi Taluk, Salem District, Tamil

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2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. It is a tender cum auction quarry – Government Poramboke Land.
4. There is no lease valid lease period with valid mining plan.
5. PP intended to withdraw the proposal.

Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry, (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for preparation of EIA report for fresh EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of 'polluter pays' in such cases. SEAC decided to recommend the following course of action.

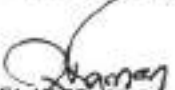
1. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
2. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.
3. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing necessary opportunity to the PP in this regard in accordance with law.
4. SEIAA may initiate action under Sec.19 of EP Act against the PP.


**Agenda No: 339-11**

**(File No: 4389/2022)**

Existing Colour Granite quarry lease over an extent of 15.23.0 Ha S.F.Nos.76/1, Chendrapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s TAMIN - For amendment in Environmental Clearance issued. (SIA/TN/MIN/294190/2022 Dt: 18.11.2022)

The proposal was earlier placed in the 291<sup>st</sup> SEAC meeting held on 02.07.2022. 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).

  
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The SEAC noted the following:

- In the Mineral Concession Rules, 1960, (hereinafter referred to as the principal rules), in rule 2, In sub rule (1), after clause (vii), the following clause is inserted, namely:-

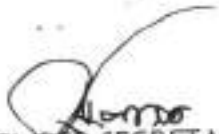
*'(vii a) "run-of-mine" means the raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area;'*

- The PP has issued with Environmental Clearance vide Lr.No.SEIAA-TN/F.No. 4389/EC/1(a).3975/2018 Dt. 30.4.2018 for the production of Colour granite 12068 m<sup>3</sup> for the period of 5 Years from the date of Execution of mining lease.
- Now, the PP has applied for amendment in the existing EC issued for the following.

Production qty as per EC	Amendment Sought
Production of Colour granite 12068 M <sup>3</sup> for period of 5 years from the date of execution of mining lease.	24,230 M <sup>3</sup> of RoM per Annum

The PP also furnished the following

- The TAMIN production targets are conservative and follow the government mining rules and regulations to quarry the Black granite, Dolerite at this location and sold to international and domestic markets.
- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be backfilled into the worked out granite quarry faces during the final closure plan, with a view to restore the land to its original use (or) desired alternate use.

  
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- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as indicated by the SEAC, as a part of progressive mine closure plan.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.
- It is submitted that the environmental impact is directly linked to ROM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- Since the EC limits saleable production quantity (recovery only), it is observed that our quarry managers tend to extricate a very miniscule quantity of absolutely defect free material.
- In many quarries the recovery falls down to very low value as 2% of RoM. This is neither in the interest of revenue generation for TAMILNADU (or) the State Government and also it is also not helping to protect the environment.
- Mining recoverable reserves may vary subject to the quality of Granite mining method and Geological features such as structural, textural formations and the market demand for the Granite being mined.
- It is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.

SEAC carefully considered the request of the PP based on the presentation made and the details furnished by the PP. SEAC noted the following.

1. PP has requested the following amendment.

Production qty as per EC	Amendment Sought
Production of Colour granite 12068 M <sup>3</sup>	24230 M <sup>3</sup> of RoM per Annum

  
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2. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
3. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc, and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
4. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.
5. EMP for the project has been finalised based on total RoM& peak annual RoM and not based on 'saleable mineral.'
6. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.

Considering all the above, the Committee recommends the following amendment to the EC subject to the certain conditions.

Production qty as per EC	Amendment Recommended
production of Colour granite 12068 M <sup>3</sup>	24230 M <sup>3</sup> of peak RoM per Annum

Subsequently the subject was placed before SEIAA in its 536<sup>th</sup> meeting held on 26.07.2022. The Authority noted that as per the approved mining plan/progressive closure plan submitted & as per the Point no. 31 (Storage of overburden, waste rock etc) of Chapter-VI of Granite Conservation & Development Rules, 1999 states that

- i) The overburden, waste rock and non-saleable granite generated during prospecting or mining operations for granite shall be stored separately in properly formed dumps on grounds earmarked.
- ii) Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.


- iii) Wherever possible, such waste rock or overburden or other rejects, shall be backfilled into the worked out granite quarry, where granite has been recovered upto the optimum depth, with a view to restore the land to its original use or desired alternate use, as far as possible and where the backfilling is not feasible, the waste dumps shall be suitable terraced and stabilised by planting vegetation or otherwise.

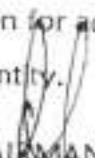
As per the Point no. 32 (Reclamation and Rehabilitation of lands) of Chapter-VI of Granite Conservation & Development Rules, 1999 states that

"Every lease holder shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by prospecting or mining operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry".

The Authority after detailed discussion decided to refer back the proposal to SEAC for specific recommendation with justification for grant of Environmental clearance on the quantity of mineable mineral in terms of ROM quantity instead of Production quantity after the receipt of following details from the project proponent.

- i) The proponent shall submit the details of utilization of total quantity of granite Waste till the life of the quarry period for beneficial purpose.
- ii) The proponent shall submit revised progressive mine closure & rehabilitation plan.
- iii) To furnish approval obtained from the competent authority details of utilization of quantity of granite Waste for beneficial purpose as per market trend and revised progressive mine closure & rehabilitation plan proposed quarry pits.
- iv) Long term and short term ecological and environmental impacts due to storage, handling, and transportation of granite waste for beneficial purpose (or) otherwise.
- v) AD/Competent authority of Geology & Mining Dept. justification for according permission in terms of ROM quantity instead of production quantity.

  
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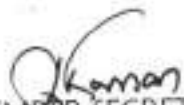
  
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- vi) Can waste and such tailings be used for land back fills.
- vii) Mine closure plans and EMP in detail. How can the granite mine site be reclaimed to near natural and pre-mining condition.
- viii) Action plan for protection of open and abandoned open spots as they are Hotspot for toxic water accumulation, contamination and accidents.
- ix) Impact due to transportation of the granite waste on the access road and the equipments, and social impacts.
- x) The project proponent have not submitted the details with respect to the quantity of the minerals mined from the date of issuance of EC and depth achieved from the department of Geology and Mining.
- xi) EC has been issued & mentioned with the quantity of colour Granite for the period of 5 years, as per mining plan. If any revision is required, the PP shall obtain necessary revision/ Amendment in the approved mining plan from the competent authority.

The PP shall furnish the revised/ detailed mine closure plan by considering ROM/total excavation from the competent Authority.

The proposal was placed for appraisal in this 304<sup>th</sup> meeting of SEAC held on 20.08.2022. The Project proponent made a presentation along with the following clarifications for the above shortcomings observed by the SEIAA.

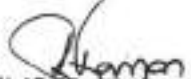
1. As per the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016, the term 'run-of-mine' (RoM) is defined as "*the raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area*", this includes the saleable ore mined after the processing, intercalated waste and mineral rejects/subgrade mineral.
2. The quantity of 'recovered saleable ore' depends on many factors such as the geology of the site, physical & geomechanical properties of the rock.


  
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quarrying technology, market demand etc. Further, the 'Recovery' is difficult to be estimated always precisely due to poor density & thickness of the granite, poor porosity, Visual appearance where it is being observed with dings, dents, scratches or uneven surfaces and however the RoM can easily be quantified at the time of preparation of mining plan.

3. The PP have informed that the 'Total Excavation' including ROM ore from which saleable fraction is produced are taken into consideration **from the view point of economic viability of project** during the approval of Mining Plan.
4. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM which includes the Recovery (Ore), and mineral waste, and the overburden/side burden waste were mentioned.
5. The EMP for the project has been finalised based on total RoM& peak annual RoM and not based on 'meagre quantity of saleable ore'.
6. Further it is pragmatic to consider total rock excavation from the point of view of Environmental Clearance, rather than production of saleable fraction of ore (or) the RoM (the extracted material from ore zone inclusive of mineral reject, intercalated waste or gangue minerals, if any).
7. During the approval of Mining Plan, the total excavation including RoM ore from which saleable fraction is produced are taken into consideration.
8. It is also clarified that total rock excavation may differ to generate same amount of RoM on year to year basis.
9. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.
10. By allowing the mineral rejects to be moved out from the leasehold area, the pollution caused due to excessive storage of mineral rejects (Granite rejects obtained from ROM) is reduced considerably. Besides, as per Rule 64B (2), if the Run-of-Mine is removed from the leased area, then royalty shall be payable on the unprocessed Run-of-Mine (ROM) mineral depending on its grade.

  
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The Committee carefully examined the points raised by SEIAA and the replies given by the PP and decided to reiterate its recommendation already made in 291<sup>st</sup> SEAC meeting held on 02.07.2022. All other conditions stipulated in the earlier minutes will remain unaltered.

Subsequently it was placed in 549<sup>th</sup> SEIAA meeting held on 5.9.2022. The Authority noted that there is no justification furnished for the request. The EC issued vide **Lr.No.SEIAA-TN/F.No. 4389/EC/1(a).3975/2018 Dt. 30.4.2018** is as per the mine plan approved by the competent authority. No further documents have been furnished by the proponent to justify the request for ROM. In view of these and to ensure sustainable, scientific and systematic mining and also considering the stability & safety aspects, the Authority after detailed deliberations, decided that the above-mentioned EC issued dated:30.04.2018 remains unaltered.

However, based on the additional particulars furnished by the Project proponent, SEAC noted that the PP has not furnished certified compliance report issued by MoEF&CC (or) TNPCB for its existing EC. Hence it was decided to call for the following details from the PP.

- The PP shall furnish the certified compliance report issued by MoEF&CC/TNPCB for its existing EC.

Now the proposal was again been placed in this 339<sup>th</sup> meeting of SEAC held on 22.12.2022. The Committee noted that the PP is yet to furnish the aforesaid certified compliance report. Hence SEAC decided to defer the subject and instruct the PP to submit the document called for.

Agenda No: 339 - 12

(File No: 4393/2022)

Existing Black granite quarry lease over an extent of 47.88.0Ha at S.F.No. 466 (Part) in Rendadi Village, Wallajah Taluk, Vellore District, Tamil Nadu by M/S. Tamil Nadu Minerals Limited – For Environmental Clearance Amendment – Modification in scheme of mining. (SIA/TN/MIN/294279/2022, dated: 21.11.2022)

  
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The proposal was placed in this 339<sup>th</sup> meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/S. Tamil Nadu Minerals Limited has applied for Environmental Clearance for the proposed Black granite quarry lease over an extent of 47.88.0 Ha at S.F.No. 466 (Part) in Rendadi Village, Wallajah Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. EC obtained vide SEIAA-TN/F.No.4393/2015/1(a)/EC - 4555/2021 dated 24.02.2021.
4. The scheme of mining -III has been approved by Director of Geology and mining, Chennai vide letter Rc.No.7613/MM4/2021 dated 25.02.2022.
5. Earlier this proposal was placed in 259<sup>th</sup> meeting of SEAC held on 31.03.2022 and the SEAC had recommended for grant of Extension of Environmental Clearance. Subsequently, the proposal was placed before the authority in 521<sup>st</sup> meeting held on 17.06.2022. The Authority after detailed discussions accepted the recommendation of SEAC and decided to grant extension of EC issued for a period of 5 Years subject to the conditions stipulated in EC obtained vide Lr. No. SEIAA-TN/F.No.4393/2015/1(a)/EC-4555/2021 dated 24.02.2021.
6. Now, the PP has applied for amendment in the existing EC issued for the following.

Production qty as per EC	Amendment Sought
Black Granite: 35,700 M <sup>3</sup> @ 10% recovery in the period of 5 Years	Black Granite: 71,800 M <sup>3</sup> @ 20% recovery in the period of 5 Years

SEAC carefully considered the request of the PP based on the presentation made and the details furnished by the PP. SEAC noted the following.

  
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1. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
2. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc. and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
3. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.
4. EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'saleable mineral.'
5. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.
6. Besides, the mine is currently in operation and comply with the conditions as stipulated in the EC.

Considering all the above, the Committee recommends the following amendment to the EC subject to the following conditions.

Production qty as per EC	Amendment Recommended
Black Granite: 35,700 M <sup>3</sup> in the period of 5 Years	71,992 M <sup>3</sup> of peak RoM per Annum

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The existing conditions as mentioned in the EC vide Lr. No. SEIAA-TN/F.No.4393/2015/1(a)/EC-4555/2021 dated 24.02.2021 remains unaltered.
3. 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 Minutes.

Agenda No: 339-13

(File No: 4415/2022)

Proposed Black Granite quarry lease over an extent of 16.72.0 Ha at Yellikaradu (Bit-II), Palamalai RF Village, Mettur Range & Taluk, Salem District, Tamil Nadu by M/s TAMIN - For amendment in Environmental Clearance issued. (SIA/TN/MIN/294292/2022 Dt: 21.11.2022)


The proposal is placed in this 339<sup>th</sup> SEAC meeting held on 22.12.2022.


SEAC noted the following:

- The PP has issued with Environmental Clearance vide Lr.No.SEIAA-TN/F.No.4415/1(a)/ EC.No: 3889/2016 dated:14.11.2016 for the production in 2419 m<sup>3</sup>/Annum of black granite and Granite Waste: 113881 m<sup>3</sup>/Annum for the period of 20 Years from the date of Execution of mining lease.
- Earlier, the PP had applied for the following amendment in the EC issued earlier vide Online proposal number SIA/TN/MIN/275815/2022 dated.31.05.2022:

Production qty as per EC	Amendment Sought
2419 M <sup>3</sup> / Annum of black granite and Granite Waste: 113881 M <sup>3</sup> /Annum for the period of 20 Years from the date of Execution of mining lease.	48375 M <sup>3</sup> of RoM per Annum

The amendment request was recommended in the 291<sup>st</sup> SEAC meeting & the recommendation was again reiterated in the 304<sup>th</sup> SEAC meeting. However, in the 549<sup>th</sup> authority meeting, the Authority noted that there is no justification furnished for the request. The EC issued vide Lr.No.SEIAA-TN/F.No.4415/1(a)/ EC.No: 3889/2016 dated:14.11.2016 is as per the **mine plan approved by the competent authority**. No further documents have been furnished by the proponent to justify the request for RoM. In view of these and to ensure sustainable, scientific and systematic mining and also considering the stability & safety aspects, the Authority after detailed deliberations, decided that the above mentioned EC issued dated: 14.11.2016 remains unaltered.

  
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- Accordingly, the proponent has revised the mining plan and applied for a new amendment requesting as follows vide proposal number SIA/TN/MIN/294292/2022 Dated: 21.11.2022:

S.No	Description	As per EC issued dated 14.11.2016	Amendment requested
1.	Production (Recovery %)	5%	20 %
2.	Black granite	2419m <sup>3</sup> /annum	9649m <sup>3</sup> /annum
3.	EC period	20years	30 years or life of mine whichever is earlier as per MoEF&CC notification dated.14.09.2006 & 12.04.2022.

SEAC carefully considered the request of the PP based on the presentation made and the details furnished by the PP. SEAC noted the following.

1. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
2. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc, and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
3. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.
4. EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'saleable mineral.'

  
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5. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.
6. Besides, the mine is currently in operation and comply with the conditions as stipulated in the EC.

The Committee, based on the presentation and documents submitted by the proponent **decided to reiterate its recommendations already made in 291<sup>st</sup> and 304<sup>th</sup> SEAC meeting** and recommends the following amendment to the EC subject to the conditions stated in 291<sup>st</sup> and 304<sup>th</sup> SEAC meeting.

Production qty as per EC	Amendment Recommended
2419 M <sup>3</sup> / Annum of black granite and Granite Waste: 113881 M <sup>3</sup> /Annum for the period of 20 Years from the date of Execution of mining lease.	48375 M <sup>3</sup> of peak annual RoM production.

Agenda No: 339-14  
(File No: 4456/2022)

Existing Grey granite quarry lease over an extent of 3.36.5 Haat S.F.No 1202/1C,1202/1D,1203/1 and 1203/4Nagamangalam Village Denkanikottai Taluk, Krishnagiri District,Tamil Nadu by Thiru.K.Krishnan-For Extension of validity of Environmental Clearance. (SIA/TN/MIN/203770/2022, dated: 13.03.2021)

The proposal was placed in this 339<sup>th</sup> meeting of SEAC held on 22.12.2022. 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, Thiru. K. Krishnan has applied for extension of validity of Environmental Clearance for the Existing Grey granite quarry lease over an extent of 3.36.5 Ha at S.F. No 1202/1C,1202/1D,1203/1 and 1203/4 Nagamangalam Village Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

  
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3. EC obtained vide Lr. No. SEIAA-TN/F.No.4456/EC/1(a)/2652/2015, dated: 04.01.2016.

SEAC noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 Issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...

*"The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above."*

Based on the presentation made by the proponent, the SEAC decided to confirm that the validity of EC already issued stand automatically extended up to 03.01.2026 as per the above OM.

**Agenda No: 339-15**

**(File No:4600/2015)**

**Existing Rough stone Quarry lease over an extent of 2.00.0Ha (Government Land - Tender Quarry) at S.F.Nos. 383/2B (Part), of Erumapalayam Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. M.Madhavakannan - for Terms of Reference under Violation. (SIA/TN/MIN/ 23144/2018 Dt:05.04.2018)**

The proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. M.Madhavakannan has applied for Terms of Reference under Violation for the existing Rough Stone quarry lease over an extent of 2.00.0Ha at S.F.Nos. 383/2B (Part), of Erumapalayam Village, Salem Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Government Land - Tender Quarry mining lease vide Rc.No. 55/2008/Mines-A dated 22.02.2008 valid till 22.04.2018.

  
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4. The mining plan was issued Roc. 55/2008/Mines-A/ Dated: 26.10.2015. The approved mining plan is for the period for a remaining period of two years nine months only & Production of 1,05,140m<sup>3</sup> of Rough stone up to a depth of 31m & 13050 cu.m of Topsoil. The ultimate depth is 31m BGL.


Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry, (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for preparation of EIA report for EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of 'polluter pays' in such cases, SEAC decided to recommend the following course of action.


- i. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
- ii. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.
- iii. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing necessary opportunity to the PP in this regard in accordance with law.
- iv. SEIAA may direct the PP to withdraw duplicate files with online number (TOR) (27488/Dt:21.06.2017 & 23144/Dt:05.04.2018) & (EC) (33042/Dt:21.11.2015) for the same site.
- v. SEIAA may initiate action under Sec.19 of EP Act against the PP.

**Agenda No: 339-16**

**(File No: 4644/2015)**

Existing Black Granite Quarry over an extent of 4.21.0Ha at S.F.No. 1405/3, 1406/4B, 1406/5, 1407/4 & 1407/5B, Mallankuzhi Village, Sathyamangalam Taluk, Erode District, Tamil Nadu by TVI. Southern Rocks and Minerals (P) Ltd - For amendment to Environmental Clearance. (SIA/TN/MIN/32483/2015 Dt: 04.11.2015)

  
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The proposal was earlier placed in the 80<sup>th</sup> meeting of SEAC held on 02.09.2016. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC recommended the proposal subject to the conditions inter alia, that NBWL Clearance shall be obtained. Meanwhile the Authority directed the PP to apply for ToR (violation category) in accordance with MoEF&CC Notifications dated: 14.03.2017 & 08.03.2018 regarding cases of violation. However, even after repeated reminders, the Proponent did not apply for ToR (violation category).

As the file was pending for long, the subject was taken up for discussion in this 339<sup>th</sup> meeting of SEAC held on 21.12.2022. The EIA coordinator requested the Committee for grant of time to obtain and submit the Second Scheme of Mining as a part of the Approved Mining Plan, after obtaining the consent from the competent authority. The SEAC agreed for the same and deferred the subject to a later date.

**Agenda No: 339-17**

**(File No: 4942/2016)**

**Rough Stone Quarry over an extent of 1.50.0Ha at S.F.No. 596 (P), Keerambur Village, Thuraiyur Taluk, Tiruchirappali District, Tamil Nadu by Thiru.R.Neelakandan- For Environmental Clearance. (SIA/TN/MIN/33963/2015Dt: 07.12.2015)**

The proposal was placed in the 339<sup>th</sup> meeting of SEAC held on 22.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent Thiru.R.Neelakandan has applied for Environmental Clearance for the Rough Stone Quarry over an extent of 1.50.0 Ha in S. F No. 596 (P), Keerambur Village, Thuraiyur Taluk, Tiruchirappali District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Mine Lease Period: 02.06.2008 to 01.06.2018, Lease is expired now.

  
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The SEAC noted that:

1. It is a tender cum auction quarry – Government Poramboke Land.
2. There is no valid lease period with approved mining plan.
3. PP intended to withdraw the proposal.

In view of the above SEAC decided to recommend to SEIAA to allow PP to withdraw the proposal.

**Agenda No: 339-18**

**(File No: 4963/2016)**

**Rough Stone Quarry over an extent of 3.80.0Ha at S.F.No. 573 (Northern Part), Kongur Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by Thiru.S.Palanisamy - For Environmental Clearance. (SIA/TN/MIN/32897/2015 Dt: 18.11.2015)**

The proposal was placed in the 339<sup>th</sup> meeting of SEAC held on 22.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).


**The SEAC noted the following:**


1. The project proponent Thiru. S. Palanisamy has applied for Environmental Clearance for the Rough Stone Quarry over an extent of 3.80.0Ha in S. F No. 573 (Northern Part), Kongur Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Mine Lease Period: 14.05.2010 to 13.05.2020. Lease is expired now.

The SEAC noted that:

4. It is a tender cum auction quarry – Government Poramboke Land.
5. There is no valid lease period with approved mining plan.
6. PP intended to withdraw the proposal.

In view of the above SEAC decided to recommend to SEIAA to allow PP to withdraw the proposal.

  
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**Agenda No: 339-19**

**(File No: 4969/2016)**

**Proposed Construction of M/s.St. Xavier's Medical College and Hospital at R.S.No. 100/1,2,3& 101/1pt of Alloor & Chunkankadai Village, Kalkulam Taluk, Kanyakumari District, Tamil Nadu-for Environmental Clearance. (SIA/TN/NCP/33528/2015Dated 30.11.2015)**

The proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, M/s. St. Xavier's Medical College and Hospital has applied for Environmental Clearance for the proposed Construction at R.S.No. 100/1,2,3& 101/1pt of Alloor & Chunkankadai Village, Kalkulam Taluk, Kanyakumari District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the project proponent, SEAC decided to ask the following details,

1. Details of flood occurrence and also certificate stating that the proposed site does not encroach any water body from PWD/Revenue Department.
2. Source of water supply for operation phase to be firmed out and necessary permission from competent Authority shall be produced.
3. Consolidated certificate copy of Documentary evidence for Ownership/ Legal possession by way of long – term lease of land with S.F.No. with area of each S.F. of the project under consideration, with Name of the owner of the land shall be furnished. In this connection, it is requested to furnish the sale deed document for the R.S.No. 100/1,2,3 & 101/1 pt, Allor Village, Chunkankadai, Kalkulam Taluk, Kanyakumari District and the project proponent is requested to furnish the land owner document for the R.S.No. 101/1 pt, Allor Village, Chunkankadai, Kalkulam Taluk, Kanyakumari District.
4. The PP shall furnish the current status of the proposed project with documentary evidences.

  
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5. PP shall furnish a written affidavit stating that construction activity has stopped and shall not be continued before obtaining EC.
6. The PP shall revise the application and shall apply for hospital components only as educational institutions are exempt from obtaining EC.

**Agenda No.339-20**

(File No. 5010/2016)

**Proposed Grey Granite Quarry over an extent of 2.10.5 Hectare at S.F.No: 248/3A1B(P) & 248/3B1(P) of Soolamalai Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.C.Rajendran - For Environmental Clearance.**


(SIA/TN/MIN/42034/2021 dated 22.01.2016)

The proposal was placed for appraisal in this 339<sup>th</sup> meeting of SEAC held on 22.12.2022.

**The SEAC noted the following:**

1. The Project Proponent Thiru.C.Rajendran has applied for Environmental Clearance Proposal for quarrying Grey Granite over an extent of 2.10.5 Hectare at S.F.No: 248/3A1B(P) & 248/3B1(P) of Soolamalai Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The lease period is for 20 years.
3. The salient features of the project are as follows:

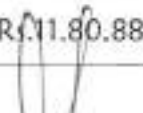
Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	: Thiru. C.Rajendran S/o.Chinnappa Naidu Chendarapalli Village Anchoor Post Krishnagiri, Tamilnadu.
2	Type of quarrying	: Grey Granite
3	S.F No. Of the quarry site	: 248/3A1B(P) & 248/3B1(P)
4	Village in which situated	: Soolamalai
5	Taluk in which situated	: Krishnagiri
6	District in which situated	: Krishnagiri
7	Extent of quarry (in ha.)	: 2.10.5 Ha

  
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8	Period of quarrying proposed	: 2014-2018 (approved Second Scheme of mining) 2018- 2023 (Third Scheme was submitted for the approval of competent authority)
9	Production (Quantity in m <sup>3</sup> )	: <b>For 2014-2018</b> RoM – 24000m <sup>3</sup> , Granite Recoverables – 2400m <sup>3</sup> (@10%), Granite waste – 21,600m <sup>3</sup> (@90%) & Topsoil – 4947m <sup>3</sup> Annual peak production – 6000m <sup>3</sup> of RoM, 600m <sup>3</sup> of granite & 5400m <sup>3</sup> of granite waste <b>For 2018-2023 (submitted for the approval of competent authority)</b> RoM – 60,977m <sup>3</sup> , Granite Recoverables – 6098m <sup>3</sup> (@10%), Granite waste – 54,879 (@90%) & Top soil – 3094m <sup>3</sup>
10	Latitude & Longitude of all corners of the quarry site	: 12°30'21"N to 12°30'15"N 78°17'24"E to 78°17'33"E
11	Topo Sheet No.	: 57L/07
12	Man Power requirement	: 30 Employees
13	Precise area communication approved by the Secretary to Govt. with date	: G.O.(3D) No.13 dated:10.03.2008
14	Mining Plan approved by the Director of Geology and Mining with date	: Lr.No.1314/MM5/07 dated.25.02.2008.
15	Water requirement: 1. Drinking & domestic purposes KLD) 2. Dust suppression 3. Green Belt	: 1.0 KLD 0.3 KLD 0.3 KLD 0.4 KLD
16	Power requirement:	: 38400 Liters of HSD for the current scheme
17	Depth of quarrying	: 31m
18	Depth of water table	: 50-45m
19	Project Cost (excluding EMP cost)	: 39 Lakhs
20	EMP cost	: Capital cost – Rs.45,27,186/- Recurring cost – Rs.11,80,889/-

  
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**Ultimate Pit Dimensions as per first scheme of mining:**

Section	Length	Width	Depth
XY-AB	143	41	21
XY-CD	64	149	31

Based on the observance of the Rule 12 (5) of MCDR 1988 which states as

*".....If approval or refusal of the scheme of mining is not conveyed to the holder of the mining lease within the stipulated period the scheme of mining shall be deemed to have been provisionally approved and such approval shall be subject to final decision whenever communicated...."*

the SEAC have decided to recommend the proposal for the quantity stipulated in the Second Scheme of Mining approved by the competent authority.

Based on the presentation and documents furnished by the project proponent, **SEAC** decided to recommend the proposal for the grant of **Environmental Clearance** for the quantity of total excavation of ROM – 24000m<sup>3</sup> with annual peak production of 6000m<sup>3</sup> of RoM, upto an ultimate depth of **31 m** subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

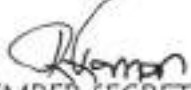
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification No. S.O. 1807(E) Dt. 12.4.2022.
2. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP as committed.
3. The proponent shall obtain a 'Star Rating' system awarded by Anna University, Chennai annually to the mining lease being operated for their efforts and initiatives taken for successful implementation of the Sustainable Development Framework (SDF).

  
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4. The proponent is requested to prepare & furnish the Standard Operating Procedure for using Diamond Wire Saw Cutting & Cranes in the proposed Granite Quarry before obtaining CTO.
5. The proponent shall mandatorily appoint the statutory Mines Manager & other statutory competent persons and the Geologist in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
6. The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
7. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
8. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
9. The PP shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCB.
10. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de silted and maintained properly.
11. Further, the PP shall construct the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length).

12. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
13. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e., quantum of Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the MoEF & CC, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
14. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.
15. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
16. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate

  
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noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.

17. The PP shall also develop the Green belt around the office buildings, along the side of the roads and on backfill areas, if any, apart from along the mine lease boundary. 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 spacing
19. 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.
20. **Dust, Noise and Vibration Related:** Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed. Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
21. The impact on fauna species in the mining area is mostly due to noise vibration and loss of vegetation cover. No working is proposed during night time, i.e., after 6 pm. No lighting is allowed to spread outside quarry lease area.

22. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry as assured in the Environmental Management Plan & the approved Mine Closure Plan.
23. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
24. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
25. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
26. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
27. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
28. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skilful, scientific and systematic

  
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manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.

29. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
30. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
31. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
32. All the conditions imposed by the concerned Assistant/Deputy Director, Geology & Mining, in the mining plan approval letter and the Precise area communication letter issued by the concerned District Collector should be strictly followed.
33. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat / local representatives, if any, from whom any suggestion/representation has been received while processing the proposal.
34. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

  
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35. All the commitments made by the proponent during the Public Hearing, as per the minutes of Public Hearing should be implemented in total.
36. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
37. As accepted by the Project Proponent, the revised CER cost is Rs. 5 lakhs and the amount shall be spent for the nearby Government school as committed before obtaining CTO from TNPCB.

**Agenda No. 339-21**

(File No.5039/2019)

**Proposed Multi-Coloured Granite Quarry lease over an extent of 1.45.0 ha in S.F.Nos.441/2 & 500/1 of Nelali Village, Kangeyam Taluk, Tiruppur District, Tamilnadu by Tmt. V. Gowri- For Environmental Clearance. (SIA/TN/MIN/133013/2019 Dated:23.12.2019)**

Earlier, this proposal was placed in the 170<sup>th</sup> SEAC Meeting held on 13.08.2020, 199<sup>th</sup> SEAC meeting held on 09.02.2021, 394<sup>th</sup> Authority meeting held on 10.09.2020 and 418<sup>th</sup> Authority meeting held on 11.01.2021 & 12.01.2021. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

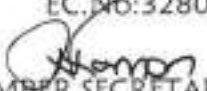
**The SEAC noted the following:**

1. The Proponent, Tmt. V. Gowri has applied for Environment Clearance for the proposed Multi-Coloured Granite (11,178m<sup>3</sup> @40% recovery) Quarry lease over an extent of 1.45.0Ha in S.F.Nos. 441/2 & 500/1 of Nelali Village, Kangeyam Taluk, Tiruppur District. It is an existing quarry.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.


The proposal was placed in the 418<sup>th</sup> Authority meeting held on 11.01.2021 & 12.01.2021.

After detailed discussion, the Authority noted as follows.

1. The Proponent has obtained the Environmental clearance for mining of multi-coloured granite of 1500 Cu.m for 5 years at a depth of 7m (2m Top soil +5m Multi coloured Granite) vide Lr. No.5EIAA-TN/F.No.5039/1(a)/EC.No:3280/2016 dated:11.07.2016.

  
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2. The Proponent has furnished the modified mining plan approved by the Director of Geology and Mining vide Rc.No.1707/MM5/2007 dated 15.06.2018 for quarrying of 11,178 cu.m from the year 2017-2018 to 2020-2021 stating as follows.

- a. The proponent has proposed year wise production of with recovery of 20% (300 Cu.m/year) which was approved by the Commissioner of Geology & Mining.
- b. It is reported that due to available variety, quality of colour granite and safe & systematic quarrying operation, the recovery of the colour granite was high within the ROM and the details of year wise achievement is as follows.

S.No	Year	Production
1	2016-17(from14.09.2016)	352.616
2	2017-2018(upto19.01.2018)	640.083
	Total	992.699

- c. Accordingly the proponent has prepared and submitted the modified mining plan for the same quantity of mining with increased recovery of 40% (From 300 Cu.m/year to 2856 Cu.m/year) for the remaining scheme period (2017-18 to 2020-21) and the same was approved by the Director of Geology & Mining, Chennai vide Rc.No.1707/MM5/2007 dated 15.06.2018.
3. Further the proponent has reported that they have stopped the quarry operation and applied for environmental clearance for the approved modified mining plan for the increase in recovery of production from 20% to 40%.
4. The Director of Geology and Mining, Industrial Estate, Guindy, Chennai-32 Vide Rc.No.1707/MM5/2007 dated 15.06.2018 has already given detailed justification report while approving this modified mining plan.

In view of the above, the Authority decided to request the Member Secretary, SEIAA to forward the proposal to SEAC for further course of action.

  
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The subject was placed in the 199<sup>th</sup> SEAC meeting held on 09.02.2021. After detailed discussions, since the proponent has reported that they have stopped the quarry operation and applied for environmental clearance for the approved modified mining plan for the increase in recovery of production from 20% to 40%. SEAC decided that the proponent shall make a re-presentation of the project proposal.

Now the proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022.

Based on the presentation made by the proponent and the documents furnished, the committee decided to ask the following details,

- (i) The PP shall submit the fresh preparation of First Scheme of Mining approved by the competent authority.
- (ii) The PP shall furnish certified compliance report obtained from the IRO/MoEF & CC, Chennai (or) the concerned DEE/TNPCB.
- (iii) The PP shall furnish green belt details provided in the site.

**Agenda No: 339-22**

**(File No: 5086/2022)**


**Existing Grey granite quarry lease over an extent of 3.05.0 Ha S.F.No 170/1, 503/2Q, 497/1 & 498/2 Nagojanahalli Village Pochampalli Taluk, Krishnagiri District, Tamil Nadu by Thiru. S. Ramachandran-For Extension of validity of Environmental Clearance. (SIA/TN/MIN/203770/2022, dated: 13.03.2021)**

The proposal was placed in this 339<sup>th</sup> meeting of SEAC held on 22.12.2022. 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, Thiru. S. Ramachandran has applied for extension of validity of Environmental Clearance for the Existing Grey granite quarry lease over an extent of 3.05.0 Ha at S.F. No 170/1, 503/2Q, 497/1 & 498/2 Nagojanahalli Village Pochampalli Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

  
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3. EC obtained vide Lr.No. SEIAA-TN/F.No.5086/1(a)/ EC.No:320712016 dated: 06.07.2016.

DESCRIPTION	PARTICULARS
Lease Period	20 Years (17.08.2016 to 16.08.2036)
Environmental Clearance Obtained	Dated: 06.07.2016
Validity of EC as per COVID Extension as per S.O. 221 (E) Dated: 18.01.2021	Valid up to 05.07.2022
CTO For COVID Extension	Air and Water Renewal of Consent is valid for the period ending 05.07.2022
MoEF & CC Notification S.O. 1807 (E) Dated: 12.04.2022	The prior Environmental Clearance granted for mining projects shall be valid for the project life as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier
Environmental Clearance Extension Applied	Dated: 10.11.2022
MoEF & CC Clarification OM Dated: 13.12.2022 for Notification S.O. 1807 (E) Dated: 12.04.2022	<p>Applicability of clause (i)</p> <p><i>The validity of the Environmental Clearance, which had not expired as on the dated of publication of notification, i.e., 12/04/2022, shall stand automatically extended to respective increased validity as mentioned at para no. 1 column (C) above.</i></p> <p><i>"Provided that the period of validity of Environmental Clearance with respect to the type of projects and activities listed at para 1 above may be extended in respect of valid Environmental Clearance, by the regulatory authority concerned, by a maximum period of years as indicated at para No. 1 Column (D) above, if an application is made in the land down proforma to the regulatory authority by the applicant as per the provisions of EIA Notification 2006: provided further that the regulatory authority may also</i></p>

	<p><i>consult the concerned Expert Appraisal Committee Before grant of such extension."</i></p> <p>In this project, the Environmental Clearance valid upto 05.07.2022 the lease 16.08.2036 i.e., 30 Years.</p>
Conditions of Environmental Clearance Carried out till date -	<ol style="list-style-type: none"> <li>1. Obtained LIN Number from DGMS</li> <li>2. Obtained Mine Code from DGMS and appointed Competent Persons</li> <li>3. Carried out Greenbelt Development</li> <li>4. Carried out Fencing of Quarry Boundary</li> <li>5. Constructed Garland Drain around the Quarry Boundary</li> <li>6. Provided Insurance for Mine Workers &amp; all display boards as per statutory provisions are displayed in quarry and same has been presented during presentation.</li> <li>7. Completed Boundary Fixing as per DGPS Survey</li> <li>8. Separate Bank Account for EMP is opened.</li> <li>9. CSR Activities carried out as agreed in EC</li> <li>10. EMP with budgetary allocation along with exclamation cost for Remaining Lease Period (14 Years) along with Anna University Star Rating and Mine Closure Activities (Capital Cost = Rs. 61,77,551/- &amp; Recurring Cost = Rs. 12,37,500/-) Calculated up to Lease Period - 16.08.2036.</li> </ol>
Certified Compliance Report for Record Obtained	<p>Dated: 22.04.2021</p> <p>Certified compliance report obtained from MOEFCC for record furnished.</p>
1 <sup>st</sup> Scheme of Mining Plan (2021-22 to 2025-26)	<p>Lr. Rc. No. 3395/MM4/2021 Dated: 16.09.2022</p>

  
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The SEAC had observed that all the clauses and conditions required for the normal EC extension has been furnished during presentation and the project is fit for extension upto the lease period.

The SEAC also noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (i) states that...

*The validity of the Environmental Clearance, which had not expired as on the dated of publication of notification, i.e., 12/04/2022, shall stand automatically extended to respective increased validity as mentioned at para no. 1 column (C) above,*

*Provided that the period of validity of Environmental Clearance with respect to the type of projects and activities listed at para 1 above may be extended in respect of valid Environmental Clearance, by the regulatory authority concerned, by a maximum period of years as indicated at para No. 1 Column (D) above, if an application is made in the land down proforma to the regulatory authority by the applicant as per the provisions of EIA Notification 2006; provided further that the regulatory authority may also consult the concerned Expert Appraisal Committee Before grant of such extension.*

Based on the presentation made by the proponent, the SEAC decided to confirm that the EC already issued stands automatically extended as per the aforementioned OM issued by the MoEF & CC.

**Agenda No: 339-23**

**(File No: 5096/2016)**

**Rough Stone Quarry over an extent of 2.00.0Ha at S.F.No. 855/1 (P), Sampalli Village, Mettur Taluk, Salem District, Tamil Nadu by Thiru. S. Sakthivel - For Terms of Reference under Violation. (SIA/TN/MIN/23779/2018 Dt: 08.04.2018)**

The proposal was placed in the 339<sup>th</sup> meeting of SEAC held on 22.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent Thiru. S. Sakthivel has applied for Terms of Reference for the Rough Stone Quarry over an extent of 2.00.0Ha in S. F No. 855/1 (P) of Sampalli Village, Mettur Taluk, Salem District, Tamil Nadu.

  
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2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Government Land - Tender Quarry mining lease vide Rc.No. 55/2008/Mines-A dated 21.07.2009 valid till 20.07.2019.


Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry, (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for preparation of EIA report for EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of 'polluter pays' in such cases, SEAC decided to recommend the following course of action.


- i. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
- ii. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.
- iii. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing necessary opportunity to the PP in this regard in accordance with law.
- iv. SEIAA may direct the PP to withdraw duplicate files with online number (TOR) (27196/Dt:09.09.2017 & 23678/Dt:07.04.2018) & (EC) (52299/2016/Dt:29.03.2016) for the same site.
- v. SEIAA may initiate action under Sec.19 of EP Act against the PP.

**Agenda No: 339-24.**

**(File No:5195/2017)**

**Existing Rough stone Quarry lease over an extent of 3.96.5Ha (Government Land - Tender Quarry) at S.F.Nos. 345 (p), of Gundukkal Village, Omalur Taluk, Salem District, Tamil Nadu by Thiru. R. Murugan - for Terms of Reference under Violation, (SIA/TN/MIN/ 27196/2017 Dt:09.09.2017)**

  
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The proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. R. Murugan has applied for Terms of Reference under Violation for the Existing Rough stone Quarry lease over an extent of 3.96.5Ha (Government Land - Tender Quarry) at S.F.Nos. 345 (p), of Gundukkal Village, Omalur Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Government Land - Tender Quarry mining lease vide Rc.No. 55/2008/Mines-A dated 22.04.2008 valid till 21.04.2018.
4. The mining plan was issued Roc. 61/2008/Mines-A/ Dated: 07.10.2015. The approved mining plan is for the period for a remaining period of two years nine months only & Production 33,060 m<sup>3</sup> of rough stone & 4425 cu.m of topsoil. The Depth up to 11m (6m AGL & 5 m BGL).

Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry, (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for preparation of EIA report for fresh EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of 'polluter pays' in such cases, SEAC decided to recommend the following course of action.

- i. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
- ii. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as

  
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per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.

- iii. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing necessary opportunity to the PP in this regard in accordance with law.
- iv. SEIAA may initiate action under Sec.19 of EP Act against the PP.
- v. SEIAA may direct the PP to withdraw duplicate file with online number (TOR) (27196/Dt:09.09.2017 & 23678/Dt:07.04.2018) & (EC) (52299/2016/Dt:29.03.2016).

**Agenda No: 339 – 25**

**(File No. 5198 /2016)**

**Existing Rough Stone Quarry over an extent of 0.40.0 Ha at S.F. Nos. 383/2B (Part- 4) Erumapalayam Village Salem Taluk, Krishnagiri District, by Thiru. G. Ashok Kumar for grant of Terms of References "Under Violation". (SIA/TN/MIN/23242/2018 dated: 05.04.2018)**

The proposal was placed in this 339<sup>th</sup> Meeting of SEAC held on 22.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following**

1. The Project Proponent, Thiru. G. Ashok Kumar has applied for Terms of References "Under Violation" for the Existing Rough Stone Quarry over an extent of 0.40.0 Ha at S.F. Nos. 383/2B (Part- 4) Erumapalayam Village Salem Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Government Land - Tender Quarry mining lease vide Rc.No. 55/2008/Mines-A dated 21.07.2009 valid till 20.07.2019.

Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry, (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for

  
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preparation of EIA report for fresh EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of 'polluter pays' in such cases, SEAC decided to recommend the following course of action.

- i. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
- ii. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.
- iii. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing necessary opportunity to the PP in this regard in accordance with law.
- iv. SEIAA may initiate action under Sec.19 of EP Act against the PP.
- v. SEIAA may direct the PP to withdraw duplicate file with online number (TOR) (27196/Dt:09.09.2017 & 23678/Dt:07.04.2018) & (EC) (52299/2016/Dt:29.03.2016).

**Agenda No: 339-TA-01**

**(File No: 9292/2022)**

**Proposed sand quarry lease over an extent of 4.90.0 Ha at S.F.No. 242 (Part) of Srinivasanallur Village, Thottiyam Taluk, Tiruchirappalli District, Tamil Nadu by the Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli - For Environmental Clearance.(SIA/TN/MIN/78415/2022, Dt. 17.06.2022)**

The proposal was earlier placed in the 296<sup>th</sup> meeting of SEAC held on 16.07.2022. 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. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli has applied for

  
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2. Environmental Clearance for the proposed sand quarry lease over an extent of 4.90.0 Ha at S.F.No: 242 (Part) of Srinivasanallur Village, Thottiyam Taluk, Tiruchirapalli District, Tamil Nadu.
3. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006, as amended.

Based on the documents furnished and presentation made by the proponent, the SEAC, after detailed deliberations, decided to make an on spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Further, the PP shall furnish the following details during the site inspection. The Project Proponent shall study and report in details of the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.

The State Expert Appraisal Committee (SEAC) Tamil Nadu constituted a sub-committee vide its Lr.No.SEAC/TN/Site Inspection/2022, dt.16.07.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Srinivasanallur Village in SF No. 242 (P), Thottiyam Taluk, Trichy District. The Committee comprises of Mr. K.S.S.V.P. Reddy, I.F.S (Rtd), Member, SEAC and Dr. P. Balamadeswaran, Member, SEAC. Accordingly, the sub-committee visited the site on 19.12.2022. The observations made in the field and recommendation derived on the basis of the field visit are given as below:

**Proponent team:**

The following officials of WRD participated and facilitated the field inspection:

1. Er.M. Pavazhakkannan, EE, Mining & Monitoring division, Trichy.
2. Er. K.R. Jayaraman, AEE/Mining & Monitoring division, Trichy.
3. Er.K.Annamalai, AE/Mining & Monitoring division, Trichy.
4. Er.S.C.S.Muralidaran, AE/Mining & Monitoring Division Trichy.
5. Er.J.Sathik Batcha, AE/Mining & Monitoring division, Trichy.

**Srinivasanallur Sand Quarry:**

  
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a) Location of the Quarry

Pillar No	Latitude	Longitude
1	10°58'01.1715"N	78°20'59.0445"E
2	10°58'01.9743"N	78°21'07.0679"E
3	10°57'55.5025"N	78°21'07.7309"E
4	10°57'54.6997"N	78°20'59.7075"E

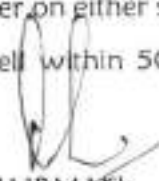
b) Details of the Quarry

Sl.No	Description	Details
1	Proposal number	SIA/TN/MIN/275322/2022, DT.28.05.2022
2	File number	9292 / 2022
3	Proponent	Executive Engineer, WRD., Mining and Monitoring Division, Tiruchirappalli
4	Major Project Activity	Mining of minerals
5	Category	B2
6	Project Type	Fresh EC
7	River	River Cauvery
8	Location	SF. No. 242 (P) of Srinivasanallurvillage
9	Area	4.90.0 Hec
10	Quantity& Duration	98,000 m <sup>3</sup> / 2 year
11	Depth	1m above bed level + 1m below bed level
12	Method of Mining	Open cast - mechanized mining

Observations:

- Proposed sand quarry is located in the Srinivasanallur Village in SF.No. 242 (P) in the river bed of River Cauvery.
- The dimension of the proposed sand quarry is 265m in length and 200m in width.
- Safety distance of 50m is provided from the banks of the river on either side.
- There are no infrastructures like bridge/ Pump/ Intake well within 500m radius both upstream & Downstream side.

  
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- It is reported that there are no mining leases granted in this area for the past 5 years.

**Recommendations:**

1.	The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
2.	The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
3.	It is the obligation of the Water Resource Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
4.	The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
5.	The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
6.	The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.
7.	The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
8.	The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
9.	To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.
10.	The PP shall strictly follow the recommendations given in the existing two guidelines viz, "Sustainable Sand Mining Management Guideline-2016" (SSMG-

  
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	2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF& CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.
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Hence, the subcommittee opines the **proposal for the issue of Environmental Clearance** for a Sand quarry proposed at **Srinivasanallur** Village in SF No. 242 (P), Thottiyam Taluk, Trichy District, Tamil Nadu **may be considered.**

**Submitted to the Committee for further action.**

S.No.	Particulars	Details furnished
	Name of the Owner/Firm	The Executive Engineer, Water Resource Department, Mining and Monitoring Division, Thiruchirappalli District.,
	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Sand
1.	Name of the River	River Cauvery
2.	S.F No. of the quarry site with area break-up	242 (Part)
3.	Village in which situated	Srinivasanallur
4.	Taluk in which situated	Thottiyam
5.	District in which situated	Tiruchirappalli
	Extent of quarry (in ha.)	4.90.0 Ha
6.	Proof of land ownership. If owned, Patta copy. If not own patta land, agreement/lease copy entered with the owner (to be enclosed) details	It is a Government land (River Poramboke) maintained by Water Resources Department, Chennai
7.	New or existing quarry	Fresh
8.	Period of quarrying proposed	2 years
9.	Type of mining	Opencast -Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	98,000 m <sup>3</sup> of Sand
11.	Depth of quarrying	2m (1m above bed level + 1m below bed level)

  
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12.	Latitude & Longitude of all corners of the quarry site:	10°58'01.1715"N	78°20'59.0445"E
		10°58'01.9743"N	78°21'07.0679"E
		10°57'55.5025"N	78°21'07.7309"E
		13°57'54.6997"N	78°20'59.7075"E
13.	Topo Sheet No.	58-J/05	
14.	Man Power requirement per day:	34 Nos	
15.	Precise area communication letter	Rc.No.622/2021/Mines, dated:18.02.2022	
16.	Mining Plan approved letter	Rc.No.622/2021/Mines, dated:12.05.2022	
17.	500m cluster letter	Rc.No.622/2021/Mines, dated:12.05.2022	
18.	Water requirement:	2.5 KLD	
	4. Drinking & domestic purposes (in KLD)	0.5 KLD	
	5. Dust suppression (in KLD)	1.0 KLD	
	6. Green Belt (in KLD)	1.0 KLD	
19.	Power requirement		
	a. Domestic Purpose b. Industrial Purpose	TNEB 16330 Litres of HSD	
20.	Depth of water table	12m bgl	
21.	Whether any habitation within 300m distance	No	
22.	Project Cost (excluding EMP cost)	Rs. 20,33,000/-	
23.	EMP cost	Capital cost Rs. 5,60,000/- Recurring cost Rs. 18,53,800/-	
24.	CER cost	Rs. 5 lakhs	
25.	R.L upstream	89.89m	
26.	R.L downstream	89.25m	
27.	Chainage Starting km	89.77m	
28.	Chainage Ending km	89.45m	
29.	VAO certificate regarding 300m radius cluster	Letter dated: 18.05.2022	

Based on the Inspection report, presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for mining 98,000Cu.m of Sand in a period of 2 years to an ultimate depth of 2m (1m above theoretical bed level + 1m below theoretical bed

  
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level) subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:


1. The Project Proponent shall conduct "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020, through a reputed institution having expertise in the field and shall submit the study to SEIAA within 6 months.
2. The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
3. The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
4. It is the obligation of the Water Resource Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
5. The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
6. The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
7. The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.
8. The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
9. The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
10. To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.

  
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11. The PP shall strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF& CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.
12. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
13. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
14. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
15. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
16. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
17. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
18. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.
19. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
20. The mining operation should be above the ground water table.
21. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
22. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

  
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24. The PP shall Strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF& CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.

25. The PP shall Strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF& CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.

**Agenda No: 339-TA-02**

**(File No: 9291/2022)**

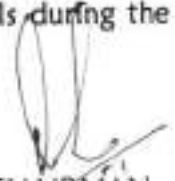
**Proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 256 and 257 (Part) of Sathamangalam (Ananthimedu) Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu by M/s. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli - For Environmental Clearance. (SIA/TN/MIN/275521/2022, Dt. 30.05.2022)**

The proposal was placed in 339<sup>th</sup> SEAC meeting held on 22.12.2022. 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. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli has applied for Environmental Clearance for the proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 256 and 257 (Part) of Sathamangalam (Ananthimedu) Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, this proposal was placed in the 296<sup>th</sup> SEAC meeting held on 16.07.2022. Based on the documents furnished and presentation made by the proponent, the SEAC, after detailed deliberations, **decided to make an on spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Further, the PP shall furnish the following details during the site inspection**

  
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- I. The Project Proponent shall study and report in details of the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.

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

The Sub Committee report has placed in 339<sup>th</sup> SEAC meeting held on 22.12.2022 and the same is as follows.

#### 1.0 Sub Committee:

The State Expert Appraisal Committee (SEAC) Tamil Nadu constituted a sub-committee vide its Lr.No.SEAC/TN/Site Inspection/2022, dt.16.07.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Sathamangalam (Ananthimedu) Village in SF No. 256 & 257(P), Lalgudi Taluk, Trichy District. The Committee comprises of Mr. K.S.S.V.P. Reddy, I.F.S (Rtd), Member, SEAC and Dr. P. Balamadeswaran, Member, SEAC.

Accordingly, the sub-committee visited the site on 19.12.2022. The observations made in the field and recommendation derived on the basis of the field visit are given as below:

#### 1.1 Proponent team:


The following officials of WRD participated and facilitated the field inspection:


1. Er.M. Pavazhakkannan, EE, Mining & Monitoring division, Trichy.
2. Er. K.R. Jayaraman, AEE/Mining & Monitoring division, Trichy.
3. Er.K.K.Arumugam, JE/Mining & Monitoring division, Trichy.
4. Er.S.C.S.Muralidaran, AE/Mining & Monitoring Division Trichy.
5. Er.J.Sathik Batcha, AE/Mining & Monitoring division, Trichy.

#### 2.0 Sathamangalam (Ananthimedu) Sand Quarry :

##### a) Location of the Quarry

Pillar No	Latitude	Longitude
1	10°50'58.5401"N	78°51'34.8343"E
2	10°50'59.8737"N	78°51'40.6033"E

  
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3	10°50'50.2580"N	78°51'42.3710"E
4	10°50'49.1467"N	78°51'37.5635"E

c) Details of the Quarry

Sl.No	Description	Details
1	Proposal number	SIA/TN/MIN/275521/2022, DT.30.05.2022
2	File number	9291/2022
3	Proponent	Executive Engineer, WRD., Mining and Monitoring Division, Tiruchirappalli
4	Major Project Activity	Mining of minerals
5	Category	B2
6	Project Type	Fresh EC
7	River	Coleroon
8	Location	SF. No. 256 & 257 (P) of Sathamangalam (Ananthimedu) village
9	Area	4.95.0 Hec
10	Quantity& Duration	123750 m <sup>3</sup> / 2 year
11	Depth	2.5m (1.5 m above bed level + 1m below bed level)
12	Method of Mining	Open cast - mechanized mining

3.0 Observations:

- Proposed sand quarry is located in the Sathamangalam (Ananthimedu) Village in SF. No. 256 & 257 (P) in the river bed of Coleroon.
- The dimension of the proposed sand quarry is 165m in average length and 300m in width.
- Safety distance of 50m is provided from the banks of the river on either side.

  
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- There are no infrastructures like bridge/ Pump/ Intake well within 500m radius both upstream & Downstream side.
- It is reported that there are no mining leases granted in this area for the past 5 years.

#### 4.0 Recommendations:

1. The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
2. The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
3. It is the obligation of the Water Resource Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
4. The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
5. The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
6. The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.
7. The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
8. The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
9. To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.

  
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10. The PP shall Strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF& CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.

Based on the Inspection report, presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for 1,23,750 m<sup>3</sup> of Sand for period of 2 Years, subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:**

1. The Project Proponent shall conduct "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020, through a reputed institution having expertise in the field and shall submit the study to SEIAA within 6 months.
2. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.95.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
3. The depth of sand quarrying shall be 2.5m (1.5m above bed level+1 m below bed level).
4. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
5. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
6. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.

7. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
8. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
9. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
10. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
11. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
12. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
13. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
14. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
15. The mining operation should be above the ground water table.
16. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).

  
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17. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.

18. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

**Agenda No: 339 –TA-03**

**(File No: 9339/2022)**

Proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 303 (Part) of Edanganni Village, Udayarpalayam Taluk, Ariyalur District, Tamil Nadu by M/s. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli - For Environmental Clearance. (SIA/TN/MIN/278239/2022, Dt. 14.06.2022)

Earlier, the proposal was placed in 296<sup>th</sup> SEAC meeting held on 16.07.2022. 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. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli has applied for Environmental Clearance for the proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 303 (Part) of Edanganni Village, Udayarpalayam Taluk, Ariyalur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

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

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

In this connection, the Sub-Committee of SEAC visited the project site on 18.12.2022 to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site. The Sub-Committee inspection report was

  
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placed in this 339<sup>th</sup> Meeting of SEAC held on 22.12.2022 and the observations of the Sub-committee are as follows,

**Edanganni Sand Quarry in Coleroon River Bed:  
Location of the Quarry**

Pillar No	Latitude	Longitude
1	11° 06'19.6468" N	79°25'16.0734" E
2	11° 06'14.4417" N	79°25'24.4375" E
3	11° 06'09.8983" N	79°25'21.5389" E
4	11° 06'15.1033" N	79°25'13.1748" E

**d) Details of the Quarry**

Sl.No	Description	Details
1	Proposal number	SIA/TN/MIN/278239/2022, DT.14.06.2022
2	File number	9339/2022
3	Proponent	Executive Engineer, WRD., Mining and Monitoring Division, Tiruchirappalli
4	Major Project Activity	Mining of minerals
5	Category	B2
6	Project Type	Fresh EC
7	River	Coleroon
8	Location	SF. No. 303 (P) of Edanganni village
9	Area	4.95.0 Hec
10	Quantity & Duration	99000m <sup>3</sup> / 2 years
11	Depth	1m above bed level + 1m below bed level
12	Method of Mining	Open cast - mechanized mining

**SEAC SUB – Committee Observations:**

  
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- Proposed sand quarry is located in the Edanganni Village in SF. No.303 (P) in the river bed of Coleroon.
- The dimension of the proposed sand quarry is 165m in length and 300m in width.
- Safety distance of 50m is provided from the banks of the river on either side.
- There are no infrastructures like bridge/ Pump/ Intake well within 500m radius both upstream & Downstream side.
- It is reported that there are no mining leases granted in this area for the past 5 years.

#### SEAC SUB – Committee Recommendations:

1.	The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
2.	The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
3.	It is the obligation of the Water Resource Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
4.	The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
5.	The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
6.	The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.
7.	The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.

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8.	The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
9.	To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.
10.	The PP shall strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF & CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.

Hence, the subcommittee opines the proposal for the issue of Environmental Clearance for a Sand quarry proposed at Edanganni Village in SF No. 303 (P), Udayarpalayam Taluk, Ariyalur District, Tamil Nadu may be considered.

Based on the Inspection report, presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for period of 2 Years and for the production quantity 99,000Cu.m of Sand and the depth 2m (1m above bed level + 1m below bed level), subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:**

1. The Project Proponent shall conduct "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020, through a reputed institution having expertise in the field and shall submit the study to SEIAA within 6 months.
2. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.95.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.

  
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3. The depth of sand quarrying shall be restricted to depth 2m (1m above bed level + 1m below bed level).
4. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
5. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
6. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
7. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
8. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
9. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
10. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
11. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
12. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
13. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise

and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.

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

**Agenda No: 339- TA: 04**

**(File No: 9330/2022)**

**Proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 320 (Part) of Valakurichi Village, Udayarpalayam Taluk, Ariyalur District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD - For Environmental Clearance  
(SIA/TN/MIN/278103/2022, Dt. 17.06.2022)**

The proposal was placed in 296<sup>th</sup> SEAC meeting held on 16.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, M/s. The Executive Engineer, PWD/WRD has applied for Environmental Clearance for the proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 320 (Part) of Valakurichi Village, Udayarpalayam Taluk, Ariyalur District, Tamil Nadu.

  
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2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 2 years and the mining plan for the period Two years & mining quantity should not exceed 73.062m<sup>3</sup> of sand . The ultimate depth 1.476m (0.476m Above Bed Level + 1m Below Bed Level) for a period of Two year.

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

- I. The Project Proponent shall study and report in details of the " Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.

Now the proposal was placed in 339<sup>th</sup> Meeting of SEAC held on 22.12.2022.

The Sub Committee report has placed in 339<sup>th</sup> SEAC meeting held on 22.12.2022.

The State Expert Appraisal Committee (SEAC) TamilNadu constituted a subcommittee vide its Lr.No.SEAC/TN/Site Inspection/2022, dt.16.07.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Valakurichi Village in SF.No. 320(Part), Udayarpalayam Taluk, Ariyalur District. The Committee comprises of Thiru KSSVP Reddy, Member, SEAC and Dr.P.Balamadeswaran, Member, SEAC.

As per the above letter the sub-committee visited the site on 18.12.2022.

The observations made in the field and recommendation derived on the basis of the field visit are as below:

**Proponent team:**

The following officials of WRD/PWD participated and facilitated the field inspection:

1. Er. M.Pavazhakkannan, EE/Mining & Monitoring Division/Trichy
2. Er. K.R.Jayaraman, AEE/Mining & Monitoring Sub division/Trichy
3. Er. J.Sathik Batcha, AE/ Mining & Monitoring sec-I/Trichy

  
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**Valakurichi Sand Quarry:**

**a) Location of the Quarry**

Pillar No	Latitude	Longitude
1	11° 03'47.3402" N	79°23'00.2830" E
2	11° 03'50.6126" N	79°23'09.5958" E
3	11° 03'45.5531" N	79°23'11.4177" E
4	11° 03'42.2808" N	79°23'02.1050" E

**e) Details of the Quarry**

Sl.No	Description	Details
1	Proposal number	SIA/TN/MIN/278103/2022, DT.14.06.2022
2	File number	9330/2022
3	Proponent	Executive Engineer, WRD., Mining and Monitoring Division, Tiruchirappalli
4	Major Project Activity	Mining of minerals
5	Category	B2
6	Project Type	Fresh EC
7	River	Coleroon
8	Location	SF. No. 320(P) of Valakurichi village
9	Area	4.95.0Hec
10	Quantity & Duration	73062 m <sup>3</sup> / 2 years
11	Depth	0.476 m above bed level + 1m below bed level
12	Method of Mining	Open cast - mechanized mining

**Observations:**

- Proposed sand quarry is located in the Valakurichi Village in SF. No.320(P) in the river bed of Coleroon.

  
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- The dimension of the proposed sand quarry is 300m in length and 165m in width.
- Safety distance of 50m is provided from the banks of the river on either side.
- There are no Infrastructures like bridge/Pump/Intake well within 500m radius both upstream & Downstream side.
- It is reported that there are no mining leases granted in this area for the past 5 years.

#### Recommendations:

1.	The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
2.	The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
3.	It is the obligation of the Water Resource Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
4.	The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
5.	The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
6.	The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.
7.	The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
8.	The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.

  
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9.	To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.
10.	The PP shall Strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF& CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.

Hence, the subcommittee opines the **proposal for the issue of Environmental Clearance** for the Sand quarry proposed at **Valakurichi Village** in SF No.320(P), Udayarpalayam Taluk, Ariyalur District, Tamil Nadu **may be considered.**

Based on the Inspection report, presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for 73.062 m<sup>3</sup> of Sand for period of 2 Years.** subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The Project Proponent shall conduct "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020, through a reputed institution having expertise in the field and shall submit the study to SEIAA within 6 months.
2. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.95.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
3. The depth of sand quarrying shall be 1.476m (0.476m above bed level + 1m below bed level).
4. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around

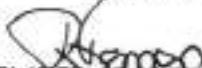
  
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5. the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater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

While the loaded vehicle move on the road that should be fully covered with tarpaulin.

15. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
16. The mining operation should be above the ground water table.
17. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
18. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
19. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
20. The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
21. The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
22. It is the obligation of the Water Resource Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
23. The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
24. The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
25. The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.

  
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26. The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
27. The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
28. To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.
29. The PP shall Strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF& CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.

**Agenda No: 339 - TA-05**

**(File No: 9476/2022)**

**Proposed Sand quarry over an extent of 4.95.0 Ha in Palar River located at S.F.Nos. 536 (P), Karnampattu Village, Katpadi Taluk, Vellore District, Tamil Nadu by the Executive Engineer, PWD/WRD - For Environmental Clearance. (SIA/TN/MIN/290987/2022 Dt. 30.08.2022)**

The proposal was placed for appraisal in this 339<sup>th</sup> SEAC Meeting held on 22.12.2022. 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 Environmental Clearance for the proposed Sand quarry over an extent of 4.95.0 Ha in Palar River located at S.F.Nos. 536 (P), Karnampattu Village, Katpadi Taluk, Vellore District, Tamil Nadu.

  
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2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for one year and the mining plan is for the period of One year & mining quantity should not exceed 52,800 cu.m. of sand per annum. The ultimate depth 1 metres (Below Bed Level).
4. Earlier the proposal was placed in 322<sup>nd</sup> SEAC meeting held on 19.10.2022. Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. On receipt of the Sub Committee report further deliberation will be done.

Based on the above, The State Expert Appraisal Committee (SEAC) Tamil Nadu constituted a sub-committee vide its Lr.No.SEAC/TN/SiteInspection/2022, dt.21.10.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Karnampattu Village in SF No. 536(P) Katpadi Taluk, Vellore District. The Committee comprises of Thiru K.Kumar, member SEAC.

As per the above letter the sub-committee visited the site on 27.10.2022. The observations made in the field and recommendation derived on the basis of the field visit are as below:


#### 4.1 Proponent team:

The following officials of WRD participated and facilitated the field inspection:

1. Er. S. Lenin Francis, EE/Mining & Monitoring Division/Villupuram
2. Er. A. Suresh Kumar, AE/ Mining & Monitoring sec-II/ Arcot

#### 5.0 Observations:

- Proposed sand quarry is located on the northern side of the Karnampattu Village in SF. No.536 (P) in the river bed of Palar. It is close to the left bank of Palar river.
- The dimension of the proposed sand quarry is 330m(avg) in length and 150m in width.
- It is located about 9.00km downstream of SH 75 (Vellore - Chittoor) Road Bridge
- Two number of wells are located @580m and 1.2km respectively at downstream of Proposed quarry site

  
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- It is located about 1.6 km upstream of Pootuthaku-Ammundi Road Bridge
- Bay of Bengal sea lies 115.39 km East of proposed sand quarry site.
- The sand at the proposed site is replenished well and sand is deposited above the bed level (Theoretical bed level +185.60m).
- It was informed by the WRD officials that a temporary road with bio-degradable material will be formed along the banks of river to transport the sand to the yard.
- The Karnampattu sand quarry site is proposed on leftside(deposition side) bed of Palar river. It helps to regulate the flood water to flow freely to avoid further meandering on right side (erosion side).

#### 6.0 Recommendations:

1. The PP shall form the temporary access roads or Katcha roads along the bank of the river to connect the mining area with locally available bio-degradable materials such as sugarcane waste (bagasse), hay, etc.
2. The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the movement of loading vehicles in and out of the sand quarry site.
3. It is the obligation of the Water Resource Department to run the quarry in an environmentally friendly and ecologically sustainable manner.
4. The PP shall take necessary steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
5. The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of river course.
6. The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.


7. The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
8. The PP shall carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for smooth flow of water.
9. To prevent air pollution due to the dust during sand quarrying operations and safeguard the persons in the sand quarry and depot site, constant water sprinkling on the pathways and dust prone areas shall be carried out by the PP. The sand loaded vehicles are also to be covered with a tarpaulin before moving out of the quarries/depots.
- 10 The PP shall strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoEF & CC scrupulously for the management of sustainable sand extraction and monitoring of the mined-out material.


In as much as within 500 m on either side no such structures or installation are available, the mining of sand at the proposed sand quarry in SF No.536 (P) of Karnampattu village, Katpadi Taluk, Vellore District as per the mining plan is recommended for Environmental Clearance.

In view of the above, it is submitted and recommended that the grant of environmental clearance for the proposed sand quarry covering the lease over an extent of 4.95.0 Ha in Palar River located at S.F.Nos. 536 (P). Karnampattu Village, Katpadi Taluk, Vellore District, Tamil Nadu may be considered.

The proposal has again been placed in 339<sup>th</sup> SEAC meeting held on 22.12.2022. Based on the recommendations of the sub-committee and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance** subject to the normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The Project Proponent shall conduct "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring

  
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Guidelines for Sand Mining 2020, through a reputed institution having expertise in the field and shall submit the study to SEIAA within 6 months.

2. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere the EMP as committed.
3. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.95.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
4. The depth of sand quarrying shall be restricted to 1 m from the theoretical bed level.
5. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
6. An interdisciplinary team consisting of hydrogeologists, soil scientists, PWD engineers, TWAD Board engineers, and officials may be formed. It can conduct a scientific study to decide the distance or a range of distance that should be maintained between a sand quarry and infiltration and collection wells.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.

ii.

  
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1. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
2. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
3. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
4. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
5. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
6. The mining operation should be above the ground water table.
7. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
8. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
9. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
10. As CER – sand shall be utilized to fill the government school ground.

  
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## ANNEXURE-I

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

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

  
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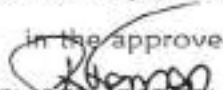
  
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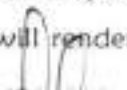
13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube Initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.

  
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17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
18. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
19. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
20. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
21. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
22. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the

  
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Project Proponent liable for legal action in accordance with Environment and Mining Laws.

25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this minute.

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

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விலவம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றம்ணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iravathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Parai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Borax coiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Pinnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சர்க்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீரு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallichi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆறுறுப்புலரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயி மரம், ஆயிலி
27	<i>Lamnea coromandelica</i>	Odham	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottainaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	திரம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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



## Appendix -II

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

கரங்கம்

கரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது எனவும், தேதிப்பிட்டு சுற்றுச்சூழல் அனுமதி \_\_\_\_\_ தேதி வரை செல்லத்தக்கதாக உள்ளது.

புகளம் பகுதி வளர்ச்சி	குவாரியின் எல்லைவடிக் சுற்றி வேலி அமைக்க வேண்டும்.
மேம்பாட்டுக்கான கரங்கத் திட்டம்	கரங்கப்பாங்குபிள்ளி சூழல் தளமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
	சுற்றுநிலை மாசு ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முனையாக தண்ணீர் வளிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	கூனாச்சல் அனைவரும் தூசி மாசுபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான புகளம் பகுதியை ஏற்படுத்த வேண்டும்.
	கரங்கத்தில் பெய் ஷல்க்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உண்டிப்பாக செயல்படுத்தப்பட வேண்டும்.
	கரங்கத்தில் இருந்து ஏற்படும் கூனாச்சல் அளவு 80 டிசிபெல்ஸ் (80A) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
	கரங்க சட்ட விதிகள் 1988 கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்கப்படுவது காரதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.
	கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலைவழி தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.
	கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்த் திண்டுகள் பாதிக்கப்படக் கூடாது.
	நீர்திண்டுகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் துவத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.
	கரங்கத்திலிருந்து கனம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்காத வண்ணம் வாகனங்களை நியக்க வேண்டும்.
	கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.
	கரங்க நடவடிக்கைகளை முடித்துவிட்டு கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடைபுறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து நாயாங்கள் மிச்சங்களை ஆகியவற்றின் வளர்ச்சிக்கு ஏற்று வகையில் புகளம்பகுதியை உருவாக்க வேண்டும்.
	முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ (Parivesh) என்கிற இணையதளத்தையும் பார்க்கவியிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்கள் குறித்து சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28227325 (அல்லது) தகிமுதலு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.

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