

## STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 336<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 07.12.2022 (Wednesday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligal, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 336-01

(File No: 6355/2017)

Proposed Limestone Mine over an extent of 3.07.0 Ha in S.F.No. 132/1 and 132/3(P) at Panamooanpatti Village of Usilampatti Taluk, Madurai District, Tamil Nadu by Tmt.B.Thiraviyam- For Environmental Clearance. (SIA/TN/MIN/64391/2018 dated: 21.07.2021)

Earlier, this proposal was placed in 265<sup>th</sup> Meeting of SEAC held on 21.04.2022.

The details of the minutes are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).


The SEAC noted the following:

1. The project proponent, Tmt.B.Thiraviyam has applied for Environmental Clearance for the proposed Limestone Mine over an extent of 3.07.0Ha at S.F.No. 132/1 and 132/3(P),Panamooanpatti Village, Usilampatti Taluk, Madurai 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. ToR was issued vide Lr.No. SEIAA – TN/F.No.6355/2018/TOR-597/2019, Dated: 11.01.2019.
4. Public hearing was conducted on 23.02.2021.
5. The Reserved Forest is situated at a distance of 230 m from the lease boundary.

Now the proposal was placed in 336<sup>th</sup> SEAC meeting held on 07.12.2022.

The SEAC noted that the PP has applied 3 ToR files in online as mentioned below:

Online File No	ToR / EC	Application Category	Remarks
23622	ToR	Under Violation category	Under Process
27418	ToR	Under Violation category	Under Process
29371	ToR	Without Violation	ToR Issued

  
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Based on the documents available and the presentation made by the PP, SEAC decided to call for the additional details to process the proposal further.

- a. PP and the EIA Coordinator shall furnish explanation for the filing of multiple applications for same project.
- b. The PP shall furnish a letter from AD (Mines) stating that the PP has not committed any violation earlier.
- c. PP shall withdraw all the above three proposals.

**Agenda No: 336 – 02**

**(File No. 6367 /2022)**

**Existing Multi-coloured Granite Mine over an extent of 1.24.5 Ha at S.F. Nos. 194/4B (P) 242/1 & 243/1B at Eriodu Village, Vendasandur Taluk, Dindigul District, by Thiru. C. Rabeek Raja for Extension of validity for the Terms of References “Under Violation”. (SIA/TN/MIN/278121/2022 dated: 14.06.2022)**

The proposal was placed in this 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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. C. Rabeek Raja has applied for Extension of validity for the Terms of References “Under Violation” for the Existing Multi-coloured Granite Mine over an extent of 1.24.5 Ha at S.F. Nos. 194/4B (P) 242/1 & 243/1B at Eriodu Village, Vendasandur Taluk, Dindigul 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. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F. No.6367/TOR-442 /2018 Dated: 30.05.2018.
4. ToR Extension under violation issued vide SEIAA. Lr. No. SEIAA-TN/F. No. 6367/SEAC- CXVIII/TOR- 442 (A)/2018 Dt.30.07.2018.
5. As per MoEF & CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. As per MoEF&CC Notification S.O. 221(E), dated the 18<sup>th</sup> January, 2021, it states that “*the period from the 1<sup>st</sup> April, 2020 to the 31<sup>st</sup> March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior*

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*Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid....".*

In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 29.05.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan. ii) The PP shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve etc.

**Agenda No: 336 – 03**  
**(File No. 6503 /2022)**

Existing lime stone Mine over an extent of 3.93.5 Ha at S.F. Nos. 636(P), 637(P), 711(P), 816(P), 817(P) varavanai Village, Kadavur taluk, Karur District, Tamil Nadu by Thiru. M. Thangaraj for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/270806)

The proposal was placed in this 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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. M. Thangaraj** has applied for Extension of validity for the Terms of References "Under Violation" for the existing limestone Mine over an extent of 3.93.5 Ha at S.F. Nos. 636(P), 637(P), 711(P), 816(P), 817(P) Varavanai Village, Kadavur taluk, Karur 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. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F. No.6503/TOR-312 /2018 Dated: 18.04.2018.
4. As per MoEF & CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.

  
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5. As per MoEF&CC Notification S.O. 221(E), dated the 18<sup>th</sup> January, 2021, it states that *".....the period from the 1<sup>st</sup> April, 2020 to the 31<sup>st</sup> March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid...."*.

In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 17.04.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan. ii) The PP shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve etc. iii) Details of impacts due to mining operations on Kadavur Slender Loris Sanctuary and its mitigation measures shall be included in the EIA Report.

**Agenda No. 336-04**

**(File No.6547/2020)**

**Existing Grey Granite Mine over an extent of 1.09.5 Ha at S.F. Nos. 448/1(P), 449/1,2 & 449/3A at Vilangamudi Village, Pochampalli Taluk, Krishnagiri District, by Thiru. K.S. Thanikachalam – For Environmental Clearance (SIA/TN/MIN/77620/2018 dated: 03.06.2022) under violation category**

The proposal was placed in this 336<sup>th</sup> SEAC Meeting held on 07.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Proponent, Thiru. K.S. Thanikachalam, has applied for Environmental Clearance for the Existing Grey Granite Mine over an extent of 1.09.5 Ha at S.F. Nos. 448/1(P), 449/1,2 & 449/3A at Vilangamudi Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

  
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3. ToR issued vide Letter No. No.SEIAA-TN/F.No.6547/TOR- 398/2018 Dated: 18.05.2018 under Violation Category.
4. Minutes of Public Hearing Conducted on 22.01.2022.

Based on the presentation made and documents furnished by the project proponent,


(i) The SEAC decided to constitute a SUB COMMITTEE to make site inspection to assess the present status of the project site and environmental settings as the proposal falls under violation category.

(ii) Further the subcommittee will examine the ecological damage assessment carried out by the PP and also to check the Remedial Plan & Community Augmentation Plan submitted during the inspection.

(iii) In the meanwhile, the PP shall make necessary arrangements to furnish the following documents during the site inspection of the sub-committee

1. Registered lease deed document from the Pattadhars.
2. The details of validity of Mining plan as approved by the competent Authority.
3. NOC from the Director, Dept of Geology and Mining for payment or copy of approved scheme of mining.
4. Letter from the competent authority stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.
5. Present status of operation of quarry.
6. Details of habitations/structures around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
7. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
8. The proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac. 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

On the receipt of the sub-committee report, further deliberations will be carried out by the SEAC.

  
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Agenda No: 336 – 05

(File No. 6549 /2022)

Existing Multi Colour Granite Mine over an extent of 1.97.5 Ha at S.F. No. 140/283 (Part) & 140/284 (part), Mathianallur Village, Illupur Taluk, Pudukottai District by Thiru. K. Balakrishnan for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/278160/2022 dated: 14.06.2022)

The proposal was placed in this 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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. K. Balakrishnan has applied for Extension of validity for the Terms of References "Under Violation" for the Existing Multi Colour Granite Mine over an extent of 1.97.5 Ha at S.F. No. 140/283 (Part) & 140/284 (part), Mathianallur Village, Illupur Taluk, Pudukottai 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. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F. No.6549/TOR-343/2018 Dated: 14.05.2018.
4. ToR Extension under violation issued vide SEIAA. Lr. No. SEIAA-TN/F. No. 6549/SEAC- CXVIII/TOR- 343 (A)/2018 Dt.30.07.2018.
5. As per MoEF & CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. As per MoEF&CC Notification S.O. 221(E), dated the 18<sup>th</sup> January, 2021, it states that *".....the period from the 1<sup>st</sup> April, 2020 to the 31<sup>st</sup> March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid...."*.

  
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In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 13.05.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan. ii) The PP shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve etc.

**Agenda No: 336 – 06**

**(File No. 6559 /2022)**

**Existing Multi-coloured Granite Mine over an extent of 1.29.0 Ha at S.F. Nos. 140/2B1, 140/2B2B, 145/6, 145/7 & 145/9 Mathiyanallur Village, Illupur Taluk, Pudukkottai District, by Thiru. C. Rabeek Raja for Extension of validity for the Terms of References “Under Violation”. (SIA/TN/MIN/269646/2022)**

The proposal was placed in this 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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. C. Rabeek Raja has applied for Extension of validity for the Terms of References “Under Violation” for the Existing Multi-coloured Granite Mine over an extent of 1.29.0 Ha at S.F. Nos. 140/2B1, 140/2B2B, 145/6, 145/7 & 145/9 Mathiyanallur Village, Illupur Taluk, Pudukkottai 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. ToR under violation issued vide SEIAA. Lr. No. SEIAA-TN/F. No.6559/TOR-397 /2018 Dated: 16.05.2018.
4. As per MoEF & CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
5. As per MoEF&CC Notification S.O. 221(E), dated the 18<sup>th</sup> January, 2021, it states that “.....the period from the 1<sup>st</sup> April, 2020 to the 31<sup>st</sup> March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior

  
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*Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid....".*

In view of the above, SEAC after detailed discussion decided to confirm that the validity of the ToR issued is (deemed to be) valid up to 15.05.2023. Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan. ii) The PP shall furnish the DFO letter stating the proximity distance of nearest RF, WLS & Tiger reserve etc.

**Agenda No: 336 -07**

**(FileNo.6590/2022)**

**Existing Multi colored Granite quarry over an extent of 2.11.0 Ha at S.F. Nos. 11/3 and 11/4 at Semmaduvu Village, Yercaud Taluk, Salem District, by Thiru. A. Arunachalam- For Extension of validity of the Terms of Reference issued under "Violation Category" (SIA/TN/MIN/269278/2022 dated: 23.04. 2022)**

The proposal was placed in this 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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. A. Arunachalam, has applied seeking Extension of validity for Terms of Reference under Violation category for the Existing Multi colored Granite quarry over an extent of 2.11.0 Ha at S.F. Nos. 11/3 and 11/4 at Semmaduvu Village, Yercaud Taluk, Salem 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, as amended.
3. The Proponent applied for ToR to carry out the EIA study under violation vide dated 05.04.2018.
4. ToR with public hearing for carrying out the EIA study under violation

  
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category was issued vide Lr.No.SEIAA/TN/ToR/ F.No.6590/ToR-523/2018 /dt 01.08.2018.

5. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects, i.e upto 31.07.2022.
6. Now the proponent has applied online through PARIVESH web portal vide Proposal No. SIA/TN/MIN/269278/2022 dated: 23.04.2022 for the extension of validity of ToR with all required documents.
7. The proponent had cited the reasons of the outbreak of the Coronavirus (covid-19) and subsequent lockdowns which had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.
8. As per MoEF&CC Notification S.O. 221(E), dated the 18<sup>th</sup> January, 2021, it states that *".....the period from the 1<sup>st</sup> April, 2020 to the 31<sup>st</sup> March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid...."*.

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is valid up to 31.07.2023 as per the aforesaid MoEF Notification dated 18.01.2021.

Hence, the project proponent is requested to submit public hearing minutes, EIA/EMP report along with details of i) aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan. ii) The PP shall furnish the DFO letter stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site. (iii) The project proponent shall submit the proof for the action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended on 08.03.2018.

  
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**Agenda No: 336 – 08.**

**(File No. 6672/2018)**

**Existing Limestone mine over an extent of 21.66.5 Ha at S.F. No. 631/9, Devannagoundanur Village, Sankari Taluk, Salem District, Tamil Naduby M/s. Super Mines and Minerals -for Environmental Clearance. (Final EIA Report). (SIA/TN/MIN/37038/2018 Dt:31.05.2019).**

The proposal was again placed in 336<sup>th</sup> SEAC meeting held on 07.12.2022. 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, M/s. Super Mines and Minerals has applied for Environmental Clearance along with Final EIA Report for the existing Limestone mine over an extent of 21.66.5 Ha at S.F. No. 631/9, Devannagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier Environmental Clearance obtained Vide MoEF, Col. Lr. No. J-11015/14/99-IA. II(M) Dt:19.05.2000.
4. Application for ToR vide online proposal No. SIA/TN/MIN/28302/2018 dated:1 8.07.2018.
5. The ToR with public hearing for carrying out the EIA study issued vide SEIAA. Lr. No. SEIAA -TN/ F.No.6672/2018TOR-596/2019, Dt: 11.01.2019.
6. The project proponent has obtained Mining lease vide G.O.(3D). No.24, Industries (MMB-1) department Dated 23.03.1998 but it expired on 22.03.2018 (for 20 years). However, the PP has not obtained any order (or) communication regarding the deemed extension of the validity of the mining lease from the Competent authority from the State Government under the provisions of the Mines and Minerals (Development and Regulation) Amendment Act, 2015 Dt:26.03.2015.
7. In the meanwhile, the project proponent has obtained the approved 'Review of Mining Plan' (including Progressive Mine closure plan) under Rule 16 of Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016, from Indian Bureau of Mines (IBM), (Ministry of Mines) vide Lr. TN/SLM/LST/ROMP/1495MDS Dt:24.05.2018 subject to extension of the

  
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10

  
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validity of the mining lease by State Government as per MMDR Act, 2015 (Amended).

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to defer and to call for additional particulars as follows

1. The PP shall submit revised EIA/EMP, incorporating points raised in public hearing, if any.
2. Certified compliance report obtained from IRO, Chennai/MoEF & CC (or) the concerned DEE/TNPCB.
3. G.O/ letter indicating the extension of Mining lease under the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 obtained from the Competent Authority, State Dept of Geology and Mining, Govt of Tamil Nadu.
4. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
5. Details regarding the copy of correspondence / no. of permits issued by the concerned AD/DD, (Geology and Mining) for the previous EC period.
6. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.

On the receipt of the additional particulars, further deliberation will be carried out in the forthcoming Committee Meeting.

**Agenda No: 336-09**  
**(File No: 6695/2022)**

**Amendment to Environmental Clearance for the existing Industrial Shed for "Small scale Assembly Unit and Ware Houses" in S.F No. 839, 840/1B, 2B, 1A, 2A, 841/2B1, 2B2, 2A, 1, 842/1, 2, 3A, 3B, 4, 5A, 5B, 6, 7A, 7B, 8, 845/1, 848, 849, 843/1A, 1B, 2A, 1C1, 1C2, 2B, 2C, 850/1, 852/1, 861/5B, 865/14B, 15B, 1A2, 2B2, 5B at Polivakkam Village, Thiruvallur Taluk, Thiruvallur District, Tamil Nadu by M/s JKS INFRASTRUCTURE PVT LTD under Sl. No 8 (a) of the Schedule – Building and Construction Projects - For Amendment to Environmental Clearance. (SIA/TN/MIS/290499/2022 dated 27.08.2022)**

The proposal was placed in this 336<sup>th</sup> meeting of SEAC held on 07.12.2022. The project proponent was **ABSENT** for the meeting. SEAC decided to defer the subject to a

  
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later date directing the project proponent to furnish the reason for not attending the meeting.

**Agenda No: 330-10**

(File No: 7073/2022)

Proposed of Rough stone quarry lease over an extent of 2.00.0Ha at S.F.No. 301(Part-3) in Athi Village, Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu by Tmt R. Latha (Legal heir of Late Thiru.M.Ramachandran) – For Environmental Clearance.

(SIA/TN/MIN/41586/2019, dated 09.05.2022)

The proposal was placed in this 336<sup>th</sup> meeting of SEAC held on 07.12.2022. The Project proponent appeared before the Committee and **requested time for submission of mandatory documents** for Environmental Clearance. The Committee accepted the request of the Proponent and decided to take up the subject for discussion on submission of the requisite documents by the proponent.

**Agenda No: 336 - 11**

(File No: 7078/2020)

Proposed Savudu quarry over an extent of 2.08.0 Ha at S.F.No. 69/7, 72/1, 72/2 & 72/3 of Keelnattukurichi Village, Ettayapuram Taluk, Thoothukudi District, Tamil Nadu by Thiru.G.Vijayakumar- For Environmental clearance.(SIA/TN/MIN/41469/2019, dated 27.03.2020).

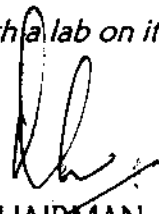
The proposal was again placed in 336<sup>th</sup> SEAC meeting held on 07.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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


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

  
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12

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

  
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SEAC- TN

Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

As per the Notification issued by the Industries Department dated. 14.12.2022 which states that

*In exercise of the powers conferred by sub-sections (1) and (1A) of section 15 of the Mines and Minerals (Development and Regulation) Act, 1957 (Central Act 67 of 1957), the Governor of Tamil Nadu hereby makes the following amendments to the Tamil Nadu Minor Mineral Concession Rules, 1959, namely: -*

*In the said Rules, -*

*(1) In rule, 7, in sub-rule (5), for the expression "Earth commonly called as savadu", the expression "ordinary earth which is used for filling or levelling purpose in construction work, embankments, roads, railways and building" shall be substituted;*

*(2) In rule 12,*


*(a) The expression "savadu" wherever it occurs shall be omitted;*

*(b) In sub-rule (2),-*

*(c) (ii) in the second provision to clause claise (b), for the expression "earth", the expression "ordinary earth" shall be substituted;*

*(d) In sub-rule (4), for the expression "earth", the expression "ordinary earth" shall be substituted;*

*(4) In rule 36-A, for the expression "earth", wherever it occurs, the expression "ordinary earth" shall be substituted;*

  
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SEAC- TN

- (5) In rule 36-B, in the proviso to sub-rule (1), for the expression "earth", the expression "ordinary earth" shall be substituted; and
- (6) In APPEDIX II, under the heading "A. SEIGNIORAGE FEE", in tabular column, in column (2), against Serial Number 4 in column (1), for the expression "Earth", the expression "Ordinary Earth" shall be substituted....."

Considering the above legal implications, the SEAC , therefore directed the proponent to submit the following additional details for further processing the proposal.

1. The PP shall submit the revised/modified Mining Plan by removing the colloquial word 'Savudu' by substituting the appropriate legal name of the mineral approved by the Directorate of Geology and Mining.
2. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
3. The proponent should produce a letter from the concerned AD (Mines) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.
4. PP shall furnish details about file No. 133950 pending in Parivesh portal for the same site.

**Agenda No: 336-12**

**(File No: 7279/2019)**

**Proposed of Rough stone Quarry lease over an extent of 1.57.0Ha in S.F.No. 570 of Pavithiram Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Thiru.P.Kandasamy - for Environmental Clearance. (SIA/TN/MIN/405279/2022 Dated 04.11.2022)**

The proposal was placed in 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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.Kandasamy has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.57.0 Ha at S.F.No.570 of Pavithiram Village, Aravakurichi Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

  
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SEAC -TN

15

  
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SEAC- TN

3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 1,65,730 m<sup>3</sup> of Rough Stone and 5115 m<sup>3</sup> of Topsoil with an ultimate depth of mining 41m (1m Topsoil +40m Rough stone) Below Ground level. The annual peak production is 36,200 m<sup>3</sup>for Rough Stone (4<sup>th</sup> year) and 2585 m<sup>3</sup> for Gravel (2<sup>nd</sup> year).
4. ToR issued- Lr.No.SEIAA-TN/F.No.7279/SEAC/ToR-728/2020 Dated: 24.06.2020.
5. Public hearing conducted on Dated:31.05.2022.

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	Thiru. P. Kandasamy S/o. Palaniyappagounder No. 2/110, Kariyampatti Karudaiyampalayam Aravakurichi Taluk Karur District - 639 111
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone quarry
3	S.F No. Of the quarry site with area break-up	S.F.No.570
4	Village in which situated	Pavithiram Village
5	Taluk in which situated	Aravakurichi Taluk
6	District in which situated	Karur District
7	Extent of quarry (in ha.)	1.57.0 Ha
8	Period of quarrying proposed	Five Years
9	Type of mining	Opencast semi Mechanized method
10	Production (Quantity in m <sup>3</sup> )	As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 1,65,730 m <sup>3</sup> of Rough Stone and 5115 m <sup>3</sup> of Topsoil with an ultimate depth of mining 41m (1m Topsoil +40m Rough stone) Below Ground level. The annual peak production is 36,200 m <sup>3</sup> for Rough Stone (4 <sup>th</sup> year) and 2585 m <sup>3</sup> for Gravel (2 <sup>nd</sup> year).
11	Latitude & Longitude of all corners of the quarry site	10°57'05.74"N to 10°57'10.50"N 77°59'25.03"E to 77°59'31.76"E
12	Topo Sheet No.	58 - F/13
13	Man Power requirement per day:	26 Employees



14	Precise area communication approved by the District Collector Karur District with date	Rc.No.143/Mines/2019 dated: 06.03.2019
15	Mining Plan approved by the Assistant Director of Geology and Mining with date	Rc.No. 143/Mines/2019 dated: 06.09.2019.
16	AD mines 500m cluster letter by Assistant Director of Geology and Mining with date	Rc.No. 143/Mines/2018 dated: 01.10.2019.
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression 3. Green Belt (in KLD)	2.09KLD 0.74KLD 0.81KLD 0.54KLD
18	Power requirement: a. Domestic Purpose b. Machinery Works	TNEB 1,32,576 Liters of HSD
19	Depth of Mining	41m (1m Topsoil +40m Rough Stone)
20	Depth of water table	55m – 50m
21	Whether any habitation within 300m distance	Nil.
22	Project Cost (excluding EMP cost)	RS.56.30 lakhs
23	EMP cost	RS.105.6 lakhs
24	CER cost	Rs.5 lakhs
25	ToR issued	Lr.No.SEIAA-TN/F.No.7279/SEAC/ToR-728/2020 Dated:24.06.2020
26	Public Hearing Details	Public hearing conducted on Dated:31.05.2022.

**THE REVISED PLAN - YEAR WISE PRODUCTIONS DETAILS - FOR HIGHWALL**

YEARWISE Reserves								
Section	Year	Bench	Length in (m)	Width in (m)	Depth in (m)	Volume in M <sup>3</sup>	Recoverable Reserve of Rough stone in(m3)100%	Gravel (m3)
XY-AB	I	I	115	22	1	2530		2530
		II	115	22	5	12650	12650	
		III	110	18	5	9900	9900	
		IV	105	15	5	7875	7875	
		<b>Total</b>					<b>30425</b>	<b>2530</b>
XY-CD	II	I	47	55	1	2585		2585

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		II	47	56	5	13160	13160	
		III	42	51	5	10710	10710	
		IV	20	91	5	9100	9100	
		Total					32970	2585
	III	IV	17	91	5	7735	7735	
		V	32	81	5	12960	12960	
		VI	27	71	5	9585	9585	
Total					30280			
XY-AB	IV	V	100	32	5	16000	16000	
		VI	95	22	5	10450	10450	
		Total					26450	
XY-CD	V	VII	90	12	5	5400	5400	
		VII	22	61	5	6710	6710	
		VIII	17	51	5	4335	4335	
		Total					16445	
		Grand Total					136570	5115

Total Quantity of Mineable Reserves after deducting the Section removed is about 1,36,570m<sup>3</sup> of Rough stone and 5,115m<sup>3</sup> of Gravel in the five years.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 1,36,570m<sup>3</sup> of Rough Stone and 5,115m<sup>3</sup> of Gravel with an annual peak production capacity not exceeding 32,970m<sup>3</sup> of Rough Stone and 2585m<sup>3</sup> of Gravel with maintaining an ultimate depth of 41m BGL, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt. 12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operations as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.

4. The proponent shall maintain 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 showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain 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) before obtaining the CTO from TNPCB.
6. The PP shall maintain proper benching & sloping for the gravel formation separately with adequate width of not less than 2 m during the quarrying operations.
7. Due to cluster situation, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) only and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
8. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed directly by him as per the provisions of MMR 1961.
9. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
10. No 'Deep-hole large diameter drilling and blasting' shall be conducted in the proposed quarry.
11. The PP shall carry out the scientific studies on design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock in the proposed quarry, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research (CIMFR)/Dhanbad, NIRM, IIT (ISM)/Dhanbad, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, etc within one year from the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.

12. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 2 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation. In case of adverse situations revealed while carrying out the slope stability studies, the proponent should bring the same to the notice of Director of Mines Safety, Chennai Region and the concerned AD (Mines).
13. The PP shall furnish an affidavit while obtaining the CTO that a building situated at a distance of 70 m is owned by him and it will be used as stores pertaining to the quarrying activities.
14. 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.
15. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate bank 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.
16. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
17. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
18. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayat Union Middle School, Thathampalayam, K.Paramathi, Karur district before obtaining CTO from TNPCB.

  
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Agenda No: 336 - 13

(File No: 7512/2020)

Proposed Savudu Quarry over an extent of 3.00.0Ha in S.F.Nos.301/1(Part), Thiruninravur Village, Avadi Taluk, Tiruvallur District, Tamil Nadu by Thiru.D.Ramaraj - For Environmental clearance. (SIA/TN/MIN/148760/2020, Dt: 13.03.2020).

The proposal was again placed in 336<sup>th</sup> SEAC meeting held on 07.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

- i. *There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*
- ii. *There shall not be any quarry operation in the name of colloquial terms/local terms and any lease shall be in accordance with minerals notified under section 3 (e) of the MMDR Act.*
- iii. *A high-level committee has to be constituted, consisting of Geologists and Experts in the said field and eminent Officers from WRO, PWD to conduct a detailed study/survey on the possibility or the availability of the river sand on the adjacent patta lands to the rivers and those places, where sand is available, have to be notified and declared as protected zones and there cannot be any quarry operation other than by the Government, in those notified areas.*
- iv. *The department of Geology and Mining, shall furnish the details of all the Savudu quarries granted so far, in the state of Tamil Nadu, to this court, within a period of eight weeks from the date of receipt of a copy of this order.*
- v. *The details of all the Savudu quarries shall also be furnished to the High Level Committee and High Level Committee shall inspect those quarries to ascertain*

*the availability of sand in those quarries. In the event of High Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.*

- vi. Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*
- vii. The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*
- viii. Whenever, SEIAA clearance is required, it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.*

Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

In the present case, the Committee, therefore directed the proponent to submit the following additional details for further processing the proposal.

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN

1. The PP shall submit the revised/modified Mining Plan by removing the colloquial word 'Savudu' by substituting the appropriate legal name of the mineral approved by the Directorate of Geology and Mining.
2. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
3. The proponent should produce a letter from the concerned AD (Mines) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

**Agenda No. 336-14**

**(File No.7569/2020)**


**Proposed Multi Colour Granite quarry lease over an extent of 2.43.0 Ha. in S.F.No. 441/4A, K.Pichampatti Village, Karur Taluk, Karur District, Tamil Nadu by Tmt. Nama Umadevi – For Environmental Clearance (SIA/TN/MIN/69093/2020 dated: 17.11.2021)**

The proposal was placed in 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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 Proponent, Tmt. Nama Umadevi, has applied for Environmental Clearance for the proposed Multi Colour Granite quarry lease over an extent of 2.43.0 Ha. in S.F.No. 441/4A, K.Pichampatti Village, Karur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. TOR issued vide Letter No. SEIAA –TN/F.No.7569/SEAC/TOR-741/2020, Dated:14.08.2020.
4. Minutes of Public Hearing Conducted on 25.08.2021.
5. Lease granted as per Precise area communication period is for a period of 20 years under Rule 19-A of the Tamil Nadu Minor Mineral Concession Rules, 1959.

  
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SEAC -TN

  
CHAIRMAN  
SEAC -TN

6. The PP has constructed the fencing and Garland drain all around the boundary of the proposed working quarry. And also, the PP has planted the trees around the proposed mining area.

Sl. No.	Details of the Proposal	
	Name of the Owner/Firm	Tmt. Nama Umadevi No.742/30, 12th Main Shubh Enclave Harlur Road Sarjpur Bangalore - 560 102
	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Multi Colour Granite quarry
	S.F No. Of the quarry site with area break-up	441/4A
	Village in which situated	K.Pichampatti
	Taluk in which situated	Karur
	District in which situated	Karur
	Extent of quarry (in ha.)	2.43.0 Ha
	Latitude & Longitude of all corners of the quarry site	10°45'59.36"N to 10°46'07.78"N 78°03'24.36"E to 78°03'28.75"E
	Topo Sheet No.	58-J/01
	Type of mining	Opencast semi - Mechanized method
	Period of quarrying proposed	5 years
	Production (Quantity in m <sup>3</sup> )	The production for 5 years as per mining plan shall not exceed 42070 m <sup>3</sup> of ROM which includes 25242 m <sup>3</sup> of Recovered Multi Colour Granite @ 60%, 16828 m <sup>3</sup> of Granite Waste @ 40%, 5034 m <sup>3</sup> of Weathered Rock and 12956 m <sup>3</sup> of Topsoil. However, the Annual peak production as per mining plan is 8910 m <sup>3</sup> of ROM (1 <sup>st</sup> year) which includes 5346 m <sup>3</sup> of Grey Granite (1 <sup>st</sup> year), &3564 m <sup>3</sup> of Granite Waste (1 <sup>st</sup> year) and weathered rock of 2040 m <sup>3</sup> &6272 m <sup>3</sup> of Top soil with



		maintaining the ultimate depth 18m BGL.
	Depth of quarrying	18mbelowgroundlevel (2m Topsoil + 1m Weathered Rock + 15m Multi Colour Granite)
	Depth of water table	53 m – 58 m
	Man Power requirement per day:	31Employees
	Source of Water Requirement	water vendors
	Water requirement: 4. Drinking & domestic purposes (in KLD) 5. Dust suppression, Green Belt &Wet Drilling (in KLD)	5.7KLD 0.9KLD 4.5 KLD 0.3 KLD
	a. Power requirement	TNEB 67,312 liters of HSD
	Precise area communication approved by the, the Principal Secretary with date	Letter No. 13815/MMB.2/2019-1, Dated:12.12.2019
	Mining Plan approved by Director of Geology and Mining with date	Rc. No. 4863/MM2/2019, Dated: 24.02.2020.
	Director of Geology and Mining 500m cluster letter	Rc.No. 60/Mines/2018 dated: 13.03.2020.
	VAO certificate regarding 300m radius cluster	Letter dated: 12.03.2020
	Project Cost (excluding EMP cost)	Rs. 2,40,65,000/-
	EMP cost	Capital Cost : Rs.27,79,100/- Recurring Cost: Rs. 11,79,760/-
	CER cost	Rs.5 Lakhs
	ToR Issued details	SEIAA –TN/F.No.7569/SEAC/TOR-741/2020, Dated:14.08.2020.
	Public Hearing Details	25.08.2021
	EIA Report Received	11.11.2021

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

  
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25

  
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SEAC- TN

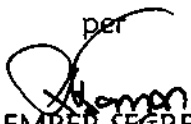
decided to recommend the proposal for the grant of Environmental Clearance for the total excavation as per mining plan shall not exceed 42070 m<sup>3</sup> of ROM which includes 25242 m<sup>3</sup> of Recovered Multi Colour Granite @ 60%, 16828 m<sup>3</sup> of Granite Waste @ 40%, and 5034 m<sup>3</sup> of Weathered Rock. However, it shall also not exceed the Annual peak production of 8910 m<sup>3</sup> of ROM with maintaining the ultimate depth 18m BGL subject to the standard conditions & normal conditions stipulated by MOEF & CC, in addition to the following specific conditions:

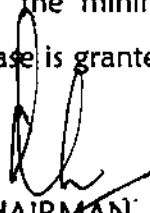
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The PP shall communicate the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
3. 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 before obtaining the CTO.
4. 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 showing the same before obtaining the CTO from TNPCB.
5. 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) before obtaining the CTO from TNPCB.
6. The proponent is requested to prepare Standard Operating Procedure for using Diamond Wire Saw Cutting method before obtaining CTO.
7. Since the quarry is located near the habitations, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.

8. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
9. 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.
10. 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.
11. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
12. 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.
13. 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.
14. 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.
15. 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.
16. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing 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.

17. **Noise and Vibration Related:** (i) 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.
18. 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.
19. 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).
20. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
21. 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.
22. 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.
23. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as

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24. 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.
25. The project proponent shall ensure that the provisions of the MMDR Act, 1957, 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.
26. 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) by the proponent without fail.
27. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
28. 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.
29. 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.
30. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under.
31. 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.

32. 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.

33. 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.

34. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.

35. 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.

36. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for Panchayat Union Primary School, K.Pichampatti as committed, before obtaining CTO from TNPCB.


**Agenda No: 336 - 15**

**(File No: 7645/2020)**

**Proposed Savudu quarry over an extent of 3.33.20Ha in S.F.Nos.14(P), Thirupalaivanam - 1 Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by Thiru.S.Sureshbabu - For Environmental clearance.(SIA/TN/MIN/162730/2020, Dt: 09.07.2020).**

The proposal was again placed in 336<sup>th</sup> SEAC meeting held on 07.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or

  
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SEAC- TN

license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued the following directions.

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

viii. *Whenever, SEIAA clearance is required, it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.*

Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

In the present case, the Committee, therefore directed the proponent to submit the following additional details for further processing the proposal.

1. The PP shall submit the revised/modified Mining Plan by removing the colloquial word 'Savudu' by substituting the appropriate legal name of the mineral approved by the Directorate of Geology and Mining.
2. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
3. The proponent should produce a letter from the concerned AD (Mines) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

**Agenda No: 336 – 16.**

**(File No. 7841/2020)**

**Proposed Black Granite quarry over an extent of 1.01.0 Ha at S.F. No. 528/1B1(P), 1B2(P), 2(P), 532/1B(P), 1C(P), 1D(P) and 532/1A2(P), Puligunda Village, Bargur Taluk**

  
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SEAC -TN

32

  
CHAIRMAN  
SEAC- TN



(Formerly Krishnagiri Taluk), Krishnagiri District, Tamil Nadu by TVL Bannari Amman Sugars Limited - for Environmental Clearance. (SIA/TN/MIN/171278/2020 Dt:04.09.2020).

The proposal was again placed in 336<sup>th</sup> SEAC meeting held on 07.12.2022. 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, TVL Bannari Amman Sugars Limited has applied for Environmental Clearance proposed Black Granite quarry over an extent of 1.01.0 Ha at S.F. No. 528/1B1(P), 1B2(P), 2(P), 532/1B(P), 1C(P), 1D(P) and 532/1A2(P), Puligunda Village, Bargur Taluk (Formerly Krishnagiri Taluk), Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The validity of mining lease is 20 years. The mining plan is for the period of 5 years & the production should not exceed ROM - 92484m<sup>3</sup>, 18497m<sup>3</sup> of Black Granite (Recovery 20%), 73987 m<sup>3</sup> of Granite Waste (Reject 80%), & 750 m<sup>3</sup> of Weathered rock & 250 m<sup>3</sup> of Top soil. The annual peak production shall not exceed 3786 Cu.m of Black Granite (1<sup>st</sup> Year). The ultimate depth – 56m BGL.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to defer and to call for additional particulars as follows

1. As per AD, Dept. of Geology and Mining, Krishnagiri District 500m radius Ir.RoC.84/2020/Mines Dated: 27.02.2020 reveals that the cluster area including the proposed mining area exceeds 5 Ha and falls under B1 Category as EIA Notification, 2006. Hence, the PP shall furnish clarification to consider this proposal under B2 category.
2. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
3. Certified compliance report obtained from IRO, Chennai/MoEF & CC (or) the Concerned DEE/TNPCB for EC dt: 08.02.2016.
4. Copy of valid approval letter & review of first & Second scheme of Mining Plan obtained from the Dept. of Geology and Mining.

**Agenda No: 336-17**

**(File No: 7909/2020)**

**proposed of Rough stone and Gravel Quarry lease over an extent of 1.62.0Ha in S.F.No. 42/1B and 43/1B of Pachapalyam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru.A.Myilsamy- for Environmental Clearance.(SIA/TN/MIN/57115/2020 Dated 01.09.2022)**

The proposal was placed in this 336<sup>th</sup> Meeting of SEAC held on 07.12.2022.

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.A.Myilsamy has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.62.0 Ha at S.F.No.42/1B and 43/1B of Pachapalyam Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued- Lr.No.SEIAA-TN/F.No.7909/SEAC/ToR-886/2020 Dated:16.03.2021.
4. Public hearing conducted on Dated:27.05.2022.

During presentation, on viewing Google map, it appears that PP have mined upto 3 mto 5 m depth. Hence SEAC decided that the concerned AD Geology & Mines shall inspect the site and furnish the inspection report regarding any violation activity by the Proponent.

On receipt of the aforesaid details, the proposal will be considered for further deliberations.

**Agenda No: 336 – 18**

**(File No: 7970/2021)**

**Proposed Gravel quarry over an extent of 4.20.0 Ha at S.F.No. 402/1 & 402/2 of Punjai Thalavai Palayam Village, Uthukuli Taluk Tiruppur District, Tamil Nadu by Tmt. K. Selvi – For Environmental Clearance.(SIA/TN/MIN/180050/2020, dated: 21.10.2020)**

The proposal was placed in this 336<sup>th</sup> meeting of SEAC held on 07.12.2022. The details of the project furnished by the proponent are given in the website ([parivesh.nic.in](http://parivesh.nic.in)).

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

  
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SEAC -TN

  
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SEAC- TN

1. The Proponent, Tmt. K. Selvi has applied seeking Environmental Clearance for the Proposed Gravel quarry over an extent of 4.20.0 Ha at S.F.No. 402/1 & 402/2 of Punjai Thalavai Palayam Village, Uthukuli Taluk Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

During the presentation, EIA coordinator informed that PP was **ABSENT** for the meeting. Hence, the proposal was not taken up for appraisal.

**Agenda No: 336-19**

**(File No: 7992/2022)**

**Proposed Rough Stone quarry Lease over an extent of 2.00.0 Ha at S.F.No. 306 (Part-II) in Pannapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.P.Madhu Premanathan- for Environmental Clearance. (SIA/TN/MIN/406436/2022 Dated 14.11.2022)**

The proposal was placed in 334<sup>th</sup> meeting of SEAC held on 02.12.2022. The details of the project are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Thiru.P.Madhu Premanathan has applied for Environmental Clearance for the proposed Rough Stone quarry Lease over an extent of 2.00.0 Ha at S.F.No. 306 (Part-II) in Pannapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	Thiru.P.Madhu Premanathan, S/o.Premanathan D.No.489, Ungatti, Doripalli, Shoolagiri Taluk, Krishnagiri District-635109

  
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SEAC -TN

35

  
CHAIRMAN  
SEAC -TN

2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone
3	S.F No. Of the quarry site	306 (Part -II)
4	Village in which situated	Pannapalli
5	Taluk in which situated	Shoolagiri
6	District in which situated	Krishnagiri
7	Extent of quarry (in ha.)	2.00.0Ha
8	Period of quarrying proposed	5 years
9	Type of mining	Opencast Semi Mechanized Mining
10	Production (Quantity in m <sup>3</sup> )	As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production quantity as per the ToR issued dated.16.03.2021 is 6,39,206m <sup>3</sup> of Rough Stone and 21,660 m <sup>3</sup> of Topsoil with an ultimate depth of mining 59m (22m AGL + 37m BGL).
11	Latitude & Longitude of all corners of the quarry site	12°45'28.00"N to 12°45'22.72"N 77°59'48.90"E to 77°59'47.30"E
12	Top Sheet No.	57 – L/2
13	Man Power requirement per day:	18 Nos.
14	Precise area communication issued by the District Collector with date	Na.Ka.En.224/2019/Kanimam/ dated:13.06.2019
15	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with date	Rc.No.224/2019/mines, Dated:24.06.2019
16	Water requirement: 6. Drinking & domestic purposes 7. Dust suppression 8. Green Belt	5.53 KLD 0.67 KLD 4.5 KLD 0.36 KLD
17	Power requirement	5,22,586 Liters of HSD for entire project life
18	Depth of quarrying	59m (22m AGL + 37m BGL)
19	Depth of water table	65m
20	Project Cost (excluding EMP cost)	Rs. 1,84,00,000/-
21	EMP cost	Capital cost : 2085000/- Recurring cost : 2798436/-
22	500m cluster letter issued by Joint Director/ Assistant Director (Addl	Rc.No.224/2019/mines, Dated:15.10.2019

  
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CHAIRMAN -  
SEAC -TN

	Charge), Dept of Geology and Mining with date	
23	VAO certificate regarding habitations in 300m radius	Letter dated 14.10.2019

During the presentation, the committee noted that the proponent has proposed a bench height of 7m. As per Metalliferous Mines Regulation 1961, under Chapter XI, 106 (2) (a)

*"..... the face shall be benched and the sides shall be sloped at an angle of not more than 60 degrees from the horizontal. The height of any bench shall not exceed six meters and the breadth thereof shall not be less than the height. ...."*

Hence, the Committee decided to recommend the proposal for the grant of Environmental Clearance for the revised bench height and revised quantity as follows:

  
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CHAIRMAN  
SEAC- TN

**THE REVISED PLAN FOR YEAR WISE PRODUCTIONS DETAILS FOR 5 METER BENCH HEIGHT**

Year wise Production								
Year	Section	Bench	Length (m)	Width (m)	Depth (m)	Volume in (CUM)	Recoverable reserve @ 100%	Topsoil
I	XY-AB	i	75	110	1	-	-	8250
		iii	4	24	5	480	480	-
		iv	27	45	5	6075	6075	-
		v	53	76	5	20140	20140	-
	XY-CD	i	50	101	1	-	-	5050
		ii	28	43	5	6020	6020	-
		iii	45	52	5	11700	11700	-
		iv	50	63	5	15750	15750	-
		v	50	79	5	19750	19750	-
	XY-EF	i	88	95	1	-	-	8360
		ii	11	13	5	715	715	-
		iii	23	29	5	3335	3335	-
		iv	82	51	5	20910	20910	-
		Total					104875	21660
II		v	88	71	5	31240	31240	-
		vi	76	74	5	28120	28120	-
	XY-CD	vi	50	94	5	23500	23500	-
		vi	66	100	5	33000	33000	-
	XY-AB	Total					115860	-
		vii	61	95	5	28975	28975	-
III	XY-CD	vii	50	89	5	22250	22250	-
	XY-EF	vii	71	64	5	22720	22720	-
		viii	66	54	5	17820	17820	-
	Total					91765	-	
	IV	XY-CD	viii	50	84	5	21000	21000
XY-AB		viii	56	90	5	25200	25200	-
		ix	51	85	5	21675	21675	-
XY-CD		ix	50	79	5	19750	19750	-
XY-EF		ix	61	44	5	13420	13420	-
		Total					101045	-
V	XY-EF	x	56	34	5	9520	9520	-
		xi	51	24	5	6120	6120	-
		xii	46	14	5	3220	3220	-
	XY-CD	x	50	74	5	18500	18500	-
		xi	50	69	5	17250	17250	-
		xii	50	64	5	16000	16000	-
		xiii	50	59	3	8850	8850	-
	XY-AB	x	46	80	5	18400	18400	-
		xi	41	75	5	15375	15375	-
		xii	36	70	5	12600	12600	-
		xiii	31	65	3	6045	6045	-
	Total					131880	-	
	Grand Total							545425

As per the revised mining plan, the production quantity is 5,45,425m<sup>3</sup> of rough stone and 21,660m<sup>3</sup> of topsoil.

  
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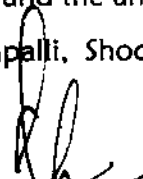
  
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SEAC decided to recommend the proposal for the grant of Environmental Clearance by for the revised total production quantity of 5,45,425m<sup>3</sup> of rough stone and 21,660m<sup>3</sup> of topsoil with annual production capacity of not exceeding 131880 m<sup>3</sup> of rough stone for ultimate depth of 52 m subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. 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.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The proponent shall maintain 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 showing the same before obtaining the CTO from TNPCB.
6. Further, the PP shall maintain 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).
7. The PP shall carry out the quarrying operation from the top of hillock to downwards by forming proper accessibility/ramps of gradient as permitted in MMR 1961 and keeping the benches of adequate dimensions intact.
8. Since the habitations are situated at a distance of 790 m from the quarry lease boundary, the PP shall carry out the scientific studies on design of controlled

- blasting for reducing the impact of blast-induced ground/air vibrations and fly rock in the proposed quarry, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
9. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
  10. Since the quarry site operate in a cluster environment, the PP shall furnish a Standard Operating Procedure for the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
  11. 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.
  12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
  13. 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.
  14. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards the Government Middle School, Panapalli, Shoolagiri

  
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SEAC -TN

  
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SEAC- TN



Taluk, Krishnagiri District for the following activities as committed, before obtaining CTO from TNPCB.

S.No	Description	CER Cost INR
1	Renovation of existing toilets	Rs. 5,00,000/-
2	White wash to school classrooms	
3	Providing Environmental related books to school library	
4	Carrying out Plantation around the school	
5	Providing benches and desks to the classrooms	

**Agenda No: 336-20**

**(File No: 7993/2020)**

proposed of Rough stone Quarry lease over an extent of 1.56.0Ha in S.F.No. 306 (Part-I) of Pannapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.V.Venkatachalam - for Environmental Clearance. (SIA/TN/MIN/406563/2022 Dated 15.11.2022)

The proposal was placed in this 336<sup>th</sup> Meeting of SEAC held on 07.12.2022. 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.V.Venkatachalam has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.56.0 Ha at S.F.No.306 (Part) of Pannapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 4,37,150 m<sup>3</sup> of Rough Stone and 15,218 m<sup>3</sup> of Topsoil with an ultimate depth of mining 52m (22m AGL + 30m BGL)[as per approved ToR]. The annual peak production 142510 m<sup>3</sup> of Rough Stone (5<sup>th</sup> year) and 15218 m<sup>3</sup> of Gravel (1<sup>st</sup> year).
4. ToR issued- Lr.No.SEIAA-TN/F.No.7993/SEAC/ToR-993/2020 Dated:16.04.2021.
5. Public hearing-conducted on Dated:28.06.2022.

  
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Sl. No	Details of the Proposal	
1	Name and Address	Thiru.V.Venkatachalam D.No.4/275, Seekanapalli B.Gurubarapalli Panchayath Shoolagiri Taluk Krishnagiri District - 635105
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough stone quarry
3	S.F No. Of the quarry site with area break-up	306(Part-I)
4	Village in which situated	Pannapalli Village
5	Taluk in which situated	Shoolagiri Taluk
6	District in which situated	Krishnagiri District
7	Extent of quarry (in ha.)	1.56.0ha
8	Period of quarrying proposed	5 years
9	Type of mining	Opencast Semi Mechanized Mining Method.
10	Production (Quantity in m <sup>3</sup> )	As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 437150 m <sup>3</sup> of Rough Stone and 15218 m <sup>3</sup> of Topsoil with an ultimate depth of mining 52m (22m AGL + 30m BGL) [as per approved ToR]. The annual peak production 142510 m <sup>3</sup> of Rough Stone (5 <sup>th</sup> year) and 15218 m <sup>3</sup> of Gravel (1 <sup>st</sup> year).
11	Latitude & Longitude of all corners of the quarry site	12°45'30.31"N to 12°45'24.35"N 77°59'46.50"E to 77°59'43.86"E
12	Topo Sheet No.	57 L/2
13	Man Power requirement per day:	18 Employees
14	Precise area communication approved by the District Collector with date	Rc.No.223/2019/kanimam dt: 13.03.2019
15	Mining Plan approved by the Deputy Director of Geology and Mining with date	Rc.No.223/2019/Mines dt: 24.06.2019

16	AD mines 500m cluster letter by the Joint Director / Assistant Director(Addl.Charge) of Geology and Mining with date	Rc.No.223/2019/Mines dt: 15.10.2019
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression 3. Green Belt (in KLD)	1.93 KLD 0.67 KLD 0.90 KLD 0.36 KLD
18	Power requirement: a. Domestic Purpose b. Industrial purpose	TNEB 3,68,884Liters of HSD
19	Depth of quarrying	52m (22m AGL + 30m BGL) [as per approved ToR]
20	Depth of water table	65m
21	Whether any habitation within 300m distance	No
22	Project Cost	Rs.1,30,00,000/-
23	EMP cost	Rs.18,17,200 Lakhs Capital cost + 22,44,510 Lakhs Recurring cost per year
24	CER cost	Rs.5 Lakhs
25	VAO certificate regarding 300m radios cluster	Dated : 14.10.2019
26	ToR issued	Lr.No.SEIAA-TN/F.No.7993/SEAC/ToR-993/2020 Dated:16.04.2021.
27	Public Hearing Details	Public hearing conducted on Dated:28.06.2022.

**THE REVISED PLAN FOR YEAR WISE PRODUCTIONS DETAILS FOR 5 METER BENCH HEIGHT**

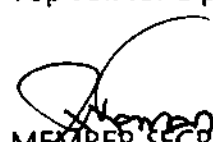
Year wise Production								
Year	Section	Bench	Length (m)	Width (m)	Depth (m)	Volume In (Cu.m.)	Recoverable reserve @ 100%	Topsoil
1	XY-AB	i	60	70	1	-	-	4200
		iii	4	9	5	180	180	-
		iv	16	54	5	4320	4320	-
	XY-CD	i	50	85	1	-	-	4250

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		ii	17	85	5	7225	7225	-
		iii	50	73	5	18250	18250	
		iv	50	85	5	21250	21250	-
	XY-EF	i	37	90	1	-	-	3330
		ii	46	72	5	16560	16560	-
		iii	51	79	5	20145	20145	
		iv	51	90	5	22950	22950	-
	Total					110880	110880	11780
II	XY-EF	v	51	90	5	22950	22950	
	XY-CD	v	50	92	5	23000	23000	
	XY-AB	v	44	70	5	15400	15400	
	Total					61350	61350	
III	XY-AB	vi	60	70	5	21000	21000	
		vii	55	60	5	16500	16500	
	XY-CD	vi	50	71	5	17750	17750	
	XY-EF	vi	37	80	5	14800	14800	
	Total					70050	70050	
IV	XY-EF	vii	32	75	5	12000	12000	
		viii	27	70	5	9450	9450	
	XY-CD	vii	50	61	5	15250	15250	
		viii	50	51	5	12750	12750	
	XY-AB	viii	50	50	5	12500	12500	
	Total					61950	61950	
V	XY-AB	ix	45	40	5	9000	9000	
		x	40	30	5	6000	6000	
		xi	35	20	5	3500	3500	
		xii	35	20	1	700	700	
	XY-CD	ix	50	41	5	10250	10250	
		x	50	31	5	7750	7750	
		xi	50	21	5	5250	5250	
		xii	50	21	1	1050	1050	
	XY-EF	ix	22	65	5	7150	7150	
		x	17	60	5	5100	5100	
		xi	12	5	5	300	300	
		xii	12	5	5	300	300	
	Total					56350	56350	
Grand Total					360580	360580	11780	

Total Quantity of Mineable Reserves is about 3,60,580m<sup>3</sup> of Rough stone and 11,780m<sup>3</sup> Top Soil for a period of five years the five years.

  
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Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 3,60,580m<sup>3</sup> of Rough Stone with an annual peak production capacity not exceeding 110880m<sup>3</sup> of Rough Stone with an ultimate depth of 52m, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

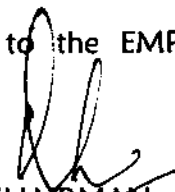
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. The proponent shall maintain 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 showing the same before obtaining the CTO from TNPCB.
6. Further, the PP shall maintain 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).
7. The PP shall carry out the quarrying operation from the top of hillock to downwards by forming proper accessibility/ramps of gradient as permitted in MMR 1961 and keeping the benches of adequate dimensions intact.

  
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8. Since the habitations are situated at a distance of 790 m from the quarry lease boundary, the PP shall carry out the scientific studies on design of controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock in the proposed quarry, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
9. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
10. Since the quarry site operate in a cluster environment, the PP shall furnish a Standard Operating Procedure for the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
11. 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.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
13. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

  
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14. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Government Middle School, Panappalli, Shoolagiri Taluk, Krishnagiri district before obtaining CTO from TNPCB.

  
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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.

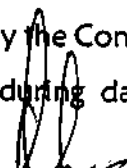
  
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7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB 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.
13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime.

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

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

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


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

  
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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>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொண்டை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொண்டை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூளி
18	<i>Cretova adansoni</i>	Mavalangum	மாவலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீரு உவா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றாப்பாரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiyam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Minusops 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	ஏச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	பங்கம்

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	அஸோகா
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	தாண்ட்ரி
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	வால்குரா
60	<i>Wrightia tinctoria</i>	Veppalai	வெப்பலாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்புளி

## Appendix -II

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

-----சுரங்கம்

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

பகைம பகுதி வளர்ச்சி மேம்பாட்டுக்கான கரங்கத் திட்டம்	சுவாமியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்.
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	சுரங்கப்பாளையின் ஆழம் தளமட்டத்திலிருந்து _____ மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மரக் ஏற்பாடுகளை சுரங்க பணிகளை மேற்கொள்ள வேண்டும். வரகங்கள் செல்லும் பாதையில் மரக் ஏற்பாடு அளவிற்கு தண்ணீரை முன்னதாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவையும் தூசு மரகபாட்டையும் குறைப்பதற்காக சுவாமியின் எல்லையை சுற்றி அடர்த்தியான பகைம பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுரங்க பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கைதாழ்முள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டமாக வசகனங்கள் செல்லும் சாலைகளை தொடர்ந்து தனக்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்பான மற்றும் சுற்றுச்சூழல் பாதிக்காத வண்ணம் வரகங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடைபூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தரவரங்கு விவங்குகள் ஆயிவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகைமப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை ஹிய பாசிவேஷ் ( <a href="https://pawesh.in">https://pawesh.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் சுத்தவீத சுற்றுச்சூழல் சார்ந்த புகர்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சரவரின் ஓபன்லினைத் தொடர அலுவலகம்: 044 - 29222325 (அல்லது) தமிழ்நாடு மரசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	