

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of 337<sup>th</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 13.12.2022 (Tuesday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

**AGENDA No: 337-01**

**(File No: 8022/2022)**

**Proposed Black granite quarry lease over an extent of 1.86.5 Ha at S.F.Nos. 408/2B, 410/1A, 420/1A, 420/1B1 & 421/2B Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu, by Tmt.Mohana Gopinath (Legal Heir) of Late.A.Gopinath (applicant) – For Environmental Clearance (SIA/TN/MIN/180892/2002)**

The proposal was placed in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, by Tmt Mohana Gopinath (Legal Heir) of Late.A.Gopinath applied seeking Environmental Clearance for the proposed Black granite quarry lease over an extent of 1.86.5 Ha at S.F.Nos. 408/2B, 410/1A, 420/1A, 420/1B1 & 421/2B Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.
3. The proponent has not submitted the copy of approved scheme of mining for the period 2019-20 to 2023-24. Further it was informed that as per MCDR Rules 1988, amended from time to time clause (5) and (6) if no decision was conveyed within the period of 90 days from the date of receipt mining plan/modified mining plan as the case may be, shall be deemed to have been provisionally approved and such approval shall be subject to the final decision whenever communicated.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

4. The legal hirer has furnished the supplementary lease executed from the competent authority.

Sl. No.	Details of the Proposal	
1	Name of the Owner/Firm	: Late.A.Gopinath, S/o. ArasappaChetty, Mohana Gopinath (Legal Heir) Medumuthukottai, Balathottanapally Post, Denkanikottai Taluk, Krishnagiri District.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Black Granite
3	S.F No. of the quarry site with area break-up	: 408/2B, 410/1A, 420/1A, 420/1B1 & 421/2B
4	Village in which situated	: Karandapalli
5	Taluk in which situated	: Denkanikottai
6	District in which situated	: Krishnagiri
7	Extent of quarry (in ha.)	: 1.68.5 Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast Semi Mechanized Mining
10	Production (Quantity in m <sup>3</sup> )	: 7400m <sup>3</sup> of Black Granite
11	Latitude & Longitude of all corners of the quarry site	: 12°28'21.95"N to 12°28'24.95"N 77°41'57.08"E to 77°42'08.22"E
12	Topo Sheet No.	: 57-H/11
13	Man Power requirement per day:	: 36 Nos
14	Precise area communication approved by Secretary to Government, Industries (MMB3) Department with date.	: G.O. (3D) No: 44, Industries (MMB3) Department dated: 26.03.2004

15	Mining Plan approved by Commissioner, Department of Geology and Mining with date	:	Lr.No.1049/MM2/2003, dated:01.03.2004
16	Water requirement: 1. Drinking water & domestic purposes (in KLD) 2. Water sprinkling (in KLD) 3. Wet drilling and Green Belt (in KLD)	:	5.0 KLD 2.0 KLD 1.0 KLD 2.0 KLD
17	Power requirement a. Domestic Purpose	:	TNEB
18	Depth of quarrying	:	31mbgl
19	Depth of water table	:	51mbgl
20	Whether any habitation within 300m distance	:	No
21	Project Cost (excluding EMP cost)	:	Rs. 32 lakhs
22	EMP cost	:	Rs. 6.5 lakhs
23	CER cost	:	Rs. 5 lakhs
24	Assistant Director, mines 500m cluster letter	:	Roc. 127/2021/Mines, dated:15.02.2021
25	VAO certificate regarding 300m radius cluster	:	Letter Furnished

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 production quantity ROM-24668 m<sup>3</sup> with not exceeding the annual peak production capacity of ROM- 5300m<sup>3</sup> by maintaining the ultimate depth of mining to 31m BGL** subject to the standard conditions as per the Annexure-1 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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.

2. The Project Proponent (PP) shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. 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 as recommended in the DGMS Circular, 11/1959 before obtaining the CTO from TNPCB.
4. 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.
5. The PP shall carry out the scientific studies within a period of **six months** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', 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 deviation.
6. The PP shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
7. However, 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 4 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.

8. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
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. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
11. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
12. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
13. 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.
14. The proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
15. 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.
16. As accepted by the Project proponent the CER cost is Rs. 5.0 lakh and the amount

  
MEMBER SECRETARY  
SEAC -TN

5

  
CHAIRMAN  
SEAC -TN

shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

**Agenda No: 337-02**

**(File No: 8023/2020)**

**Proposed Black Granite Quarry lease over an extent of 0.76.0Haat S.F.No.132/IA, 132/IB, 132/IC & 132/IDof Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Tmt.Mohana Gopinath (Legal Heir of Late.Thiru.A.Gopinath) -For Environmental Clearance. (SIA/TN/MIN/179439/2020, Dt: 17.10.2020)**

The proposal was placed for appraisal in 323rd meeting of SEAC held on 20.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

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

The SEAC noted the following

1. The Project Proponent, Tmt.Mohana Gopinath (Legal Heir of Late.Thiru.A.Gopinath) has applied for Environmental Clearance for the Black Granite Quarry lease over an extent of 0.76.0Ha at S.F.No.132/IA, 132/IB, 132/IC & 132/IDof Karandapalli Village, Denkanikottai 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 quarry lease was granted in G.O. (3D) No.44, Industries (MMB3) Department Dated 26.03.2004 for a period of 20 years. The lease deed was executed on 14.06.2004. The lease deed will expired on 13.06.2024. The quarrying operation commenced after getting the Government order.
4. The mining plan is approved by Director, Geology and Mining, Chennai Vide Roc. No. 1049/MM2/2003 Dated 01.03.2004. However, the quarry is being operated with 'Deemed Mining Plan' & "Deemed Review of Scheme" under MCDR.


  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

5. However, the Earlier EC was issued to the project vide Lr.No.SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,

*".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".*

6. Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 12.03.2021 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.
7. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 08.11.2025 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that  
*"...The mining plan once approved shall be valid for the entire duration of the lease:....."*
8. The quarry operation was carried out till May 2017 after obtaining the necessary 'Legalized Permit' from the office of the Dy. Director (Geology & Mining) to extract & transport the blocks of Black Granite from the quarry.
9. As the quarry was non-operative from May 2017 to 18<sup>th</sup> May 2020 and the validity period of EC had expired on 14.02.2021, the quarry had been left with 1081 cbm of Black Granite remaining under the EC granted in 2016. Hence the PP had made a request for Extension of EC for the extraction of the remaining quantity.
10. Further, the PP had cited the reasons of the outbreak of the Corono virus (covid-19) and subsequent lockdowns which had put the quarrying operation on hold even though the permit was available to operate the quarry after

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC- TN

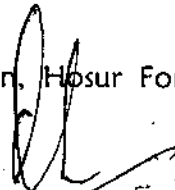
May 2020.

Here, the SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 January, 2021, stating that *".....the period from the 1st April, 2020 to the 31st 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 validity of the EC issued earlier in 2016 is deemed to be valid upto 28.02.2022.

11. Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 12.03.2022 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.
12. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 08.11.2025 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that *"...The mining plan once approved shall be valid for the entire duration of the lease....."*
13. Here, the Cauvery (North) Wild Life Sanctuary is located at a distance of 2.50 km west from the quarry lease site.
14. However, due to the notified Cauvery North Wildlife Sanctuary, the quarrying operation was suspended from May 2017 to May 2020 for obtaining the NBWL clearance from the Competent Authority due to MOEF draft notification as the buffer zone for Cauvery Wild Life Sanctuary was falling within 10 kms from the quarry.
15. Now, the PP has submitted NOC from Wildlife Warden, Hosur Forest

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



Extension vide Proc. No.6526/2017/L Dated: 04.10.2019 in regard to Cauvery North Wildlife Sanctuary based on PCCF & CWLW Ref.no. WL5(A)/42997/2017 Dt:25.09.2019. Earlier, the quarry operation was stopped from 01.05.2017 to 31.05.2020 due to non-availability of NBWL clearance.

16. During Presentation the PP has informed the following.

- a) The PP has submitted death certificate of applicant and legal heir certificate
- b) Application for review of scheme of mining plan was submitted on 01.04.2019.
- c) In regard to approval of review of scheme of mining plan by Commissioner of Dept. Of Geology & Mining,

**The sub-rule of (5) & (6) of Rule No.11 (Mining plan to be submitted by the existing lessee)& as follows;**


*(5) The Regional Controller or the officer authorised in this behalf by the State Government, as the case may be, shall, within a period of 90 days from the date of receipt of the mining plan or the modified mining plan, convey approval or disapproval to the applicant and in case of disapproval shall also convey the reasons for disapproving the said mining plan or the modified mining plan.]*

*(6) If no decision is conveyed within the period stipulated under sub-rule (5), the mining plan or the modified mining plan, as the case may be, shall be deemed to have been provisionally approved and such approval shall be subject to the final decision whenever communicated.*

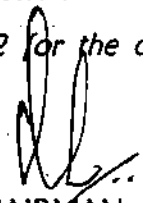
**The sub-rule of (3) (4) & (5) of Rule No.12 (review of mine plan) of Mineral Conservation and Development Rules, 1988 states**

*(3) The scheme of mining shall be submitted to the Regional Controller 1 [or the officer authorized in this behalf by the State Government, as the case may be,] at least one hundred twenty days before the expiry of the five years period, for which it was approved on the last occasion.*

*(4) The Regional Controller or the authorised officer 2 [or the officer*

  
MEMBER SECRETARY  
SEAC -TN

9

  
CHAIRMAN  
SEAC- TN

*authorised in this behalf by the State Government, as the case may be.] shall convey his approval or refusal to the scheme of mining within ninety days of the date of its receipt.*

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

17. At present, the mining plan is valid until 2024 & the production should not exceed the quantity of ROM – 5,935m<sup>3</sup> (Recovery @30% of Black Granite =1480 m<sup>3</sup>& Waste/ reject @ 70% = 3455 m<sup>3</sup>). The ultimate depth of mining upto 30m BGL.

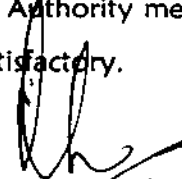
Based on the presentation and documents furnished by the project proponent, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** subject to the certain conditions stated therein.

Subsequently, the proposal was placed in the 568<sup>th</sup> Authority meeting held on 08.11.2022 & 09.11.2022. The authority after detailed discussions, decided to refer back the proposal after the receipt of following additional particulars as follows

1. Certified compliance report obtained from IRO, Chennai/MoEF & CC (or) the Concerned DEE/TNPCB.
2. From the KML file, it was noted that no provision has been made to show the safety berm, possessing atleast the dimension of bench width fulfilling the legal provisions of MMR 1961. Hence the PP shall furnish a valid scheme of mining plan & sections approved by the AD (Geology & Mining) indicating the proper safety berm in the bench geometry with fencing photographs.
3. Details of copy of correspondence of no. of permits issued AD (Geology & Mining) for the previous EC period for taking decision.

In this connection, the proposal was again placed in this 337<sup>th</sup> SEAC Meeting held on 13.12.2022. Based on the presentation and document furnished by the project proponent, SEAC after detailed deliberation observed that the proponent has not furnished the details sought by the SEIAA vide its minutes of 568<sup>th</sup> Authority meeting held on 08.11.2022 & 09.11.2022 and replies furnished were not satisfactory.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

Hence, the Committee decided to give another opportunity to furnish adequate replies to the points raised by SEIAA. SEAC will take up the proposal for in any one of the forthcoming meetings after the receipt of above additional particulars.

**Agenda No: 337-03**


**(File No: 8038/2022)**

**Proposed Apostolic Christian Assembly Avadi Ministry – Garden Church and Convention centre at S.F. Nos. 58/1 & 57/2 of Melpakkam Village and 16/2A & 18/1 of Veeraraghavapuram Village, Thiruverkadu Municipality, Thiruvallur District, Tamil Nadu by M/s. Apostolic Christian Assembly - For Terms of Reference under Violation (SIA/TN/MIS/183202/2022 Dt. 13.09.2022)**

The proposal was placed in this 337<sup>th</sup> SEAC Meeting held on 13.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, M/s. Apostolic Christian Assembly has applied for Environmental Clearance for the Proposed Apostolic Christian Assembly Avadi Ministry – Garden Church and Convention centre at S.F. Nos. 58/1 & 57/2 of Melpakkam Village and 16/2A & 18/1 of Veeraraghavapuram Village, Thiruverkadu Municipality, Thiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(a) "Building & Construction" of the Schedule to the EIA Notification, 2006.
3. The proposal comes under violation category.
4. Earlier, this proposal was placed in the 313<sup>rd</sup> SEAC Meeting held on 22.09.2022. Based on the presentation & documents furnished, the PP has completed the project without obtaining EC and has also not applied during the window period, this has to be treated as violation case under SoP notified by the MoEF & CC outside the window period.
5. The SEAC noted that, the MoEF&CC has issued office memorandum Dated 28th January, 2022 regarding observation of Hon'ble Supreme Court with

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

reference to the SoP dated 7th July 2021 for identification and handling of violation cases under EIA Notification 2006 and stated that "93. *The interim order passed by the Madras High Court appears to be misconceived. However, this Court is not hearing an appeal from that interim order. The interim stay passed by the Madras High Court can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras High Court. Moreover, final decision may have been taken in accordance with the Orders/Rules prevailing prior to 7th July, 2021.*"

Based on the presentation & documents furnished, since the PP has completed the project without obtaining EC and has also not applied during the window period, this has to be treated as violation case. Hence SEAC decided to issue following Terms of Reference along with submission of assessment of ecological damage, remediation plan and natural and community resource augmentation plan, as per Notification vide S.O.804(E) Dt. 14.3.2017. Terms of Reference are issued **subject to final orders of the Hon'ble High Court of Madras in the matter W.P.(MD) No. 11757 of 2021.**

Subsequently, the subject was placed before the Authority in its 558<sup>th</sup> meeting of the Authority held on 10.10.2022. The Authority noted that the project proposal was appraised in the 313<sup>rd</sup> SEAC Meeting held on 22.09.2022 and SEAC has furnished its recommendation for the grant of ToR (violation) subject to the conditions stated therein. The Authority further noted the following and decided to refer back the proposal to SEAC for the following reasons

1. The Project proponent has completed the project without obtaining Environment Clearance and has also not applied during the window period, this has to be treated as a violation case.
2. The Project proponent has applied for Environment Clearance in PARIVESH portal vide Proposal No: SIA/TN/MIS/252442/2022 dated 20.01.2022. Further, it was noted that the SEAC has recommended Terms of Reference as per Notification vide S.O.804 (E) dated 14.03.2017 (Under Violation category). Since the project proponent has applied for EC, there is no provisions to upload/issue Terms of Reference in the PARIVESH portal.
3. Further, it is noted that

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

- i) MoEF &CC vide O.M F.No.22-21/2020-IA.III dated 07.07.2021 has issued standard operating procedure (SoP ) for identification and handling of violation cases under EIA Notification 2006 in compliance to order of Hon'ble National Green Tribunal in O.A.No.34/2020 WZ.
- ii) MoEF &CC vide O.M F.No.22-21/2020-IA.III (E 138949) dated 28.01.2022 has stated as follows:

***"2. The SoP was challenged in the Madurai Bench of the High Court of Madras in the matter W.P.(MD) No. 11757 of 2021 titled Fatima Vs Union of India and was Interim stayed vide order dated 15th July 2021.***

***3. Recently, in the Order dated 09th December 2021 in the matter of Civil Appeal Nos. 7576-7577 of 2021 in Electrosteel Steels Limited Vs Union of India and Ors., the Hon'ble Supreme Court of India has inter-alia observed the following:***

***"93. The interim order passed by the Madras High Court appears to be misconceived. However, this Court is not hearing an appeal from that interim order. The interim stay passed by the Madras High Court can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras High Court. Moreover, final decision may have been taken in accordance with the Orders/Rules prevailing prior to 7th July, 2021."***

Hence, the subject was placed in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. After detailed deliberations, the Committee decided to reiterate that its recommendation already made in the 313<sup>rd</sup> SEAC Meeting held on 22.09.2022 is subject to the outcome of the court case filed before the Hon'ble High Court of Madras (Madurai Bench) vide W.P.(MD) No. 11757 of 2021 titled Fatima Vs Union of India challenging the SoP for violation proposals dated 07th July 2021 and mere preparation of EIA report will not entitle the PP to obtain the EC as it will be based on the final Judgement in the case above.

In addition to the above, the PP shall submit the following details along with EIA report,

- I. The PP shall furnish an affidavit stating that PP will not do any further

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

construction activities henceforth before obtaining EC.

**AGENDA No: 337-04**

**(File No: 8074/2022)**


**Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 303(Part - II) Athimugam Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu, by Thiru.S. Ramesh- For Environmental Clearance (SIA/TN/MIN/406376/2022, dated 14.11.2022)**

The proposal was placed in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**


1. The project proponent, Thiru. S. Ramesh has applied seeking Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 303(Part -II) Athimugam Village, Shoolagiri Taluk, Krishnagiri District.
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, as amended.
3. ToR issued along with Public Hearing vide T.O Lr.No.SEIAA-TN/F.No.8074/SEAC/ToR- 890/2020 Dated: 16.03.2021
4. Public Hearing conducted on 28.06.2022
5. EIA report submitted on 16.11.2022

Sl. No.	Details of the proposal	
1.	Name of the Owner / Firm	Thiru.S.Ramesh, S/o. P.Samudi, D.No.2/81, Erikottaivattam, Kathari Post, Natrampalli Taluk, Vellore District - 635 852
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone
3.	S.F No. of the quarry site	303(Part -II)

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

4.	Village	Athimugam
5.	Taluk	Shoolagiri
6.	District	Krishnagiri
7.	Extent of Quarry (in ha.)	2.00.0 Government Poromboke land
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast Mechanized
10.	Production (Quantity in m <sup>3</sup> )	Geological Resource: 12,18,000m <sup>3</sup> of Rough stone to an ultimate depth of 71 m(18 AGL+53 BGL). 5-year Production is estimated to be 5,26,930 m <sup>3</sup> of Rough Stone (Restricted as per ToR)with maintaining the revised bench geometry of 5m × 5m. Annual peak production is 1,65,200m <sup>3</sup> of Rough Stone (4 <sup>th</sup> year)
11.	Depth of Mining	52m (18AGL+34BGL) restricted as per ToR
12.	Latitude &Longitude of all corners of the quarry site	12°45'18.97"N to 12°45'17.23"N 77°59'49.67"E to 77°59'43.19"E
13.	Topo sheet No.	57-L/2
14.	Man power requirement per day:	18 Employees
15.	Precise Area Communication	Na.Ka.No.221/2019/Kanimam, Dated: 13.06.2019
16.	Mining plan approval letter	R.C. No.222/2019/Mines, Dated: 17.07.2020
17.	500m letter	R.C. No.222/2019/Mines, Dated: 17.07.2020
18.	Water requirement: 1. Drinking & domestic purposed (in KLD)	2.00 kLD 0.5 kLD 1.0 kLD& 0.5 kLD

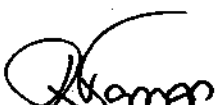
  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

	2. Dust Suppression (in KLD)&Green Belt (in KLD)	
19.	Power requirement: a. Domestic purpose b. Industrial Purpose	TNEB
20.	Depth of Water table	80m BGL
21.	Whether any habitation within 300m distance	No
22.	Project cost (Excluding EMP cost)	Rs. 1,89,70,000/-
23.	EMP cost	Capital Cost- Rs.63,40,433/- Recurring Cost/Annum- Rs. 26,22,962/-
24.	CER cost	Rs. 5,00,000/-
25.	VAO letter dated	Letter Dated: 07.08.2020

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 production quantity restricted to 5,26,930 m<sup>3</sup> of Rough Stone and not exceeding the annual peak production capacity of 1,65,200m<sup>3</sup> of Rough Stone by restricting the depth of mining to 52m (18AGL+34BGL) subject to the standard conditions as per the Annexure-1 of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



3. The Project Proponent (PP) shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai 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 as recommended in the DGMS Circular, 11/1959 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 not disturb the 'Odai' located at a distance of 220 m & 300 m from the boundary of the mine lease.
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. Since the habitations are located at a distance of 320 m, 'Deep-hole large diameter drilling and blasting' is not permitted in the proposed quarry.
9. Since the cluster of quarries are located in the proximity, the PPs shall carry out the scientific studies within a period of **one year** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', 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 deviation.

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

10. 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 BGL(or) after the completion of 4 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.
11. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation while working in the boundary as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
12. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
13. 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.
14. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

18. 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.
19. 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.
20. The proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
21. 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.
22. As accepted by the Project proponent the CER cost is Rs. 5.0 lakh and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

**Agenda No: 337-05**


**(File No: 8084/2020)**

**Proposed Rough stone project over an extent of 1.76.0Ha in S.F.Nos. 505, 506/2 at Madukkarai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Tmt.P.Vasanthi- For Environmental Clearance. (SIA/TN/MIN/58594/2020 dated: 16.08.2022)**

The proposal was placed for appraisal in 323<sup>rd</sup> meeting of SEAC held on 20.10.2022. The details of the minutes are given in the website([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The project proponent, Tmt.P.Vasanthi has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.76.0ha at S.F.Nos 505, 506/2 of Madukkarai Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

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. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 89,670 m<sup>3</sup> of Rough stone with an ultimate depth of Mining 37m (2m Gravel +35m Rough Stone) below ground level. The annual peak production as per mining plan is 22490m<sup>3</sup> of rough stone (3rd year).
4. ToR issued vide - Lr No -SEIAA-TN/F.No.8084/SEAC/ToR-916/2020 Dated: 16.03.2021.
5. Public hearing was conducted on Dated 19.04.2022.

Now the proposal was placed for appraisal in this 337<sup>th</sup> Meeting of SEAC held on 13.12.2022.

Sl. No	Details of the Proposal					
1.	Name of the Owner / Firm	Tmt.P.Vasanthi W/o.Ponnusamy No.12/1012, Anbu Nagar Madukkarai Market Madukkarai Coimbatore District - 641105				
2.	Type of quarrying	Rough stone Quarry				
3.	S.F No. of the quarry site	505 & 506/2				
4.	Village in which situated	Madukkarai Village				
5.	Taluk in which situated	Madukkarai Taluk				
6.	District in which situated	Coimbatore District				
7.	Extent of Quarry (in ha.)	1.76.0Ha				
8.	Period of Quarrying proposed	5 years				
9.	Type of Mining	Open cast Mechanized Mining				
10.	Production (Quantity in m³)	<table><tr><td>Parameters</td><td>As per Approved Mining Plan</td><td>As per Revised Plan</td></tr></table>		Parameters	As per Approved Mining Plan	As per Revised Plan
Parameters	As per Approved Mining Plan	As per Revised Plan				

				permitted by the SEAC
		Total excavation	89,670 m <sup>3</sup> of Rough stone	78040m <sup>3</sup> of Rough Stone
		Annual Peak Production Capacity	22490m <sup>3</sup> of rough stone	22320 m <sup>3</sup> of Rough Stone
11.	Latitude & Longitude of all corners of the quarry site	10°53'03.20"N to 10°53'08.41"N& 76°56'45.35"E to 76°56'50.96"E		
12.	Topo sheet No.	58 B/13		
13.	Man power requirement per day:	16 Employees		
14.	Precise Area Communication approved by the Assistant Director of Geology and Mining with date	Rc.No.409/Kanimam/2020, dt: 14.10.2020		
15.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc. No.409/Mines/2020, dt: 04.11.2020		
16.	AD mines 500m cluster letter by the Assistant Director of Geology and Mining with date	RC No.409/Mines/2020, dt: 04.11.2020		
17.	Water requirement: 1. Drinking & domestic purposed 2. Dust Suppression 3. Green Belt	2.0KLD 0.5KLD 1.0KLD 0.5 KLD		
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 82,576 Liters of HSD		
19.	Depth of Mining	37m (2m +35m) BGL		
20.	Depth of Water table	65m-60m		
21.	Whether any habitation within 300m distance	Nil		

  
MEMBER SECRETARY  
SEAC -TN

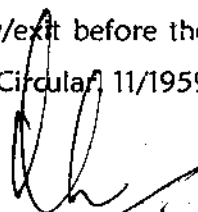
  
CHAIRMAN  
SEAC- TN

22.	Project cost	Rs. 64.51 Lakhs
23.	EMP cost	Rs.92.95 Lakhs
24.	CER cost	Rs.5 Lakhs
25.	VAO letter dated	22.10.2020.
26.	ToR Issued	Lr.No.SEIAA-TN/F.No.8084/SEAC/ToR-916/2020 Dated:16.03.2021.
27.	Public Hearing Details	Public hearing conducted on Dated:19.04.2022.

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 78040m<sup>3</sup> of Rough Stone and not exceeding the annual peak production of 22320 m<sup>3</sup> of Rough Stone with maintaining an ultimate pit depth of 37m bglsubject to the standard conditions as per the Annexure I 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 PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

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 / 10 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 use the area of excavation shown in section along X1-Y1 & C-D in the 'Year wise Production Plan' of the Mining Plan for the construction of ramp accessibility in the proposed quarry following the DGMS Haul Road guidelines provided under MMR 1961 without deviation.
7. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.
8. Since a temple is located at a distance of 120 m, the PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. Since few habitations are situated at a distance range of 300 m to 700 m from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', 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 – CEG Campus. A copy of such scientific study report shall be submitted to the

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

11. 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.
12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
13. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
15. 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.
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. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m (or) after the completion of 4 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IITs, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN



18. 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.

19. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards the Marapalam Govt High School, Madukkarai for the activities as committed, before obtaining CTO from TNPCB.

**Agenda No: 337-06**

**(File No: 8087/2020)**

**Proposed Multi-Coloured Granite quarry lease area over an extent of 4.95.9 ha at S.F.No: 21/1B(P), 1C2(P), 7A, 8A, 8B, 22/9H, 18(P), 21, 22, 23(P), 28/6B, 6C, 219/1, 2, 3, 4A1, 4B, 4C, 30/1A, 1B, 2A1,2A2, 3A, 4B, 5B, 6B Vakkanangundu Village, Kariapatti Taluk, Virudhunagar District Tamil Nadu by M/s. KIPSI INTERNATIONAL, - For Terms of Reference (ToR). (SIA/TN/MIN/57755/2020, dated: 24.10.2020)**

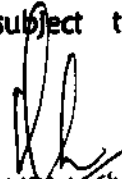
The proposal was placed for appraisal in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, M/s. KIPSI INTERNATIONAL, has applied for Terms of Reference (ToR) for the Proposed Multi-Coloured Granite quarry lease area over an extent of 4.95.9 ha at S.F.No: 21/1B(P), 1C2(P), 7A, 8A, 8B, 22/9H, 18(P), 21, 22, 23(P), 28/6B, 6C, 219/1, 2, 3, 4A1, 4B, 4C, 30/1A, 1B, 2A1,2A2, 3A, 4B, 5B, 6B Vakkanangundu Village, Kariapatti Taluk, Virudhunagar 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 production for the first scheme of mining, 50,025 m<sup>3</sup> of ROM, 35,018m<sup>3</sup> of recoverable Granite @ 70% recovery and the Proposed depth of mining is 22m (south part of the project area) & Existing depth – 36m BGL (center part of the project area).

Based on the presentation made by the proponent, **SEAC decided to recommend grant of Terms of Reference (TOR) with Public Hearing subject to the**

  
MEMBER SECRETARY  
SEAC -TN

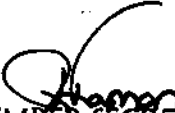
  
CHAIRMAN  
SEAC- TN

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

1. The PP shall submit the CCR for the previous EC obtained at the time of EIA appraisal.
2. During the presentation, the SEAC found that there was an existing quarry in the name of Thiru. Gunasekaran inside the proposed mining area with an existing depth of 36m BGL (at the center part of the project area). Further, it is ascertained that there was no proper access or route to transport the excavated materials from the existing quarry. Hence, the PP shall clarify whether the same is reflected in the approved mining plan or the PP shall obtain revised mining plan from competent Authority and the same shall be included in EIA report.
3. The Proponent shall carryout various study about the impacts of proposed mining on the biodiversity, climate changes etc., and the same shall be included in EIA report.
4. The PP shall furnish the details about the impact of proposed mining operations on the Gundar River situated nearby and the corresponding mitigation measures in the EIA report.
5. The PP shall develop greenbelt and garland drain around the boundary of the proposed quarry and the photographs indicating the same shall be shown during the EIA appraisal.
6. 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 during the EIA appraisal.
7. The PP shall furnish a revised EMP budget for entire life of proposed mining, i.e. for 10 years of mining lease period.
8. The Proponent shall submit a conceptual 'Slope Stability Plan' for the planned working of the quarry by maintaining appropriate benches incorporating the

haul road with ruling gradient as the depth of the proposed quarry is exceeding 30 m, during the EIA appraisal.

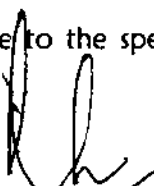
9. The PP shall furnish an affidavit stating that the common boundary of not less than 7.5 width will be maintained with the neighbouring quarries unless the relaxation is obtained under Reg. 111 (3) of MMR 1961 for the complete extraction of the same from the concerned Regional Director of Mines Safety, DGMS.
10. The Proponent shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager directly employed on full-time basis only by the proponent.
11. The PP shall enumerate the existence of houses, permanent structures, habitations, etc within a distance range of 100 m, 200 m, 300 m, and 500 m.
12. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry.
13. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
14. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,  
What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - a. Quantity of minerals mined out.
  - b. Highest production achieved in any one year
  - c. Detail of approved depth of mining.
  - d. Actual depth of the mining achieved earlier.
  - e. Name of the person already mined in that leases area.
  - f. If EC and CTO already obtained, the copy of the same shall be submitted.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC - TN

- g. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
17. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
18. The Project Proponent shall provide the **Organization chart** indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
19. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
20. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
21. The Proponent shall carry out the cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC-TN

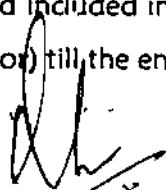
environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts and its mitigation measures. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

22. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
23. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
24. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
25. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
26. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
27. The PP shall provide the Travelling route for the proposed quarry and also indicate the impact on local transport infrastructure due to the Project activities.
28. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
29. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
30. Public Hearing points raised and commitments of the Project Proponent on the

same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.

31. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
32. The Proponent shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
33. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
34. 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-1 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.
35. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted 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.
36. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
37. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

the lease period.

38. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
39. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
40. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
41. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
42. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
43. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
44. The Proponent shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
45. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 337-07

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC - TN

(File No: 8133/2020)

proposed of Earth Quarry lease over an extent of 0.16.52 Ha in S.F.No. 98/2 (P) of Kuilam Village, Chengam Taluk, Thiruvannamalai District, Tamil Nadu by Thiru.M. Govindaraj- For Environmental Clearance.

(SIA/TN/MIN/174334/2020 dated:21.09.2020)

The proposal was placed for appraisal in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are given in the website([www.parivesh.nic.in](http://www.parivesh.nic.in)).

The SEAC noted the following:

1. The project proponent, Thiru.M.Govindaraj has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 0.16.52 ha at S.F.No.98/2 (P) of Kuilam Village, Chengam Taluk, Thiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 3 months. The production for 3 months not to exceed 1,500m<sup>3</sup> of Earth with an ultimate depth of mining 0.908m below ground level .


Sl. No	Details of the proposal	Data furnished
1.	Name of the Owner / Firm	Thiru.M.Govindaraj S/o.Munusamy Millath Nagar Chengam Taluk Thiruvannamalai District - 606 701
2.	Type of quarrying	Earth Quarry
3.	S.F No. of the quarry site	98/2 (P)
4.	Village in which situated	Kuilam Village
5.	Taluk in which situated	Chengam Taluk
6.	District in which situated	Thiruvannamalai District
7.	Extent of Quarry (in ha.)	0.16.52Ha

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



8.	Period of Quarrying proposed	3 Months
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m3)	As per the mining plan, the lease period is for 3 Months. The production for 3 Months not to exceed 1,500 m3 of Earth with an ultimate depth of Mining 0.908m Below ground level.
11.	Latitude & Longitude of all corners of the quarry site	12°20'06.36"N to 12°20'07.34"N 78°47'55.79"E to 78°47'57.77"E
12.	Topo sheet No.	57-L/15
13.	Man power requirement per day:	5 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.133-2/Kanimam/2017, dated: 22.12.2018
15.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc.No.133-2/Kanimam/2017, dated: 18.03.2019
16.	AD mines 500m cluster letter by the Assistant Director of Geology and Mining with date	Rc.No.133/Kanimam/2017, dated: 17.03.2020
17.	Water requirement: 4. Drinking & domestic purposed 5. Dust Suppression 6. Green Belt	2.2KLD 0.2KLD 1.5KLD 0.5 KLD
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB 250 Liters of HSD will be utilized for the Entire project life
19.	Depth of Mining	0.908m Below ground level .
20.	Depth of Water table	35m in summer season - 30m in rainy season
21.	Whether any habitation within 300m distance	Nil

  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

22.	Project cost	Rs. 1,59,500
23.	EMP cost	Rs. 4,81,000
24.	CER cost	Rs. 1 Lakh
25.	VAO letter dated	08.07.2019.

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 1500m<sup>3</sup> of Earth with maintaining an ultimate pit depth of 0.908m bgl for 3 months subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC. in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. 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 before obtaining the CTO from TNPCB.
4. The project proponent shall complete plantation of sapling of native species for developing green belt before obtaining the CTO from the TNPCB.
5. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haul-roads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
6. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.

7. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
8. 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.
9. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP furnished.
10. As accepted by the Project proponent the CER cost is Rs.1 lakh and the amount shall be spent for the Government Boys Higher Secondary School, Chengam, Tiruvannamalai for the activities as committed, before obtaining CTO from TNPCB.

**AGENDA No: 337- 08**

**(File No: 8134/2022)**

**Proposed Earth quarry lease over an extent of 1.62.0 Ha at S.F.Nos.294/2C, 382/1&382/2A Silamalai Village, Bodinaickanur Taluk, Theni District, Tamil Nadu by Thiru. C.Balamurugan- For Environmental Clearance (SIA/TN/MIN/187300/2020)**

The proposal was earlier placed in the 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent made presentation of the project before the Committee.

**The SEAC noted the following:**

1. The project proponent, Thiru. C.Balamurugan has applied for seeking Environmental Clearance for the Proposed Earth quarry lease over an extent of 1.62.0 Ha at S.F.Nos. 294/2C, 382/1&382/2A Silamalai Village, Bodinaickanur Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.
3. The PP issued with precise area communication vide No. N. K No. 249/Kanimam/2018Dt. 30.5.2019 in the name of Earth.
4. The PP has obtained mining plan approval vide Roc No. 249/Mines/2018 Dt.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

17.6.2019 in the name of 'Earth'.

The SEAC had observed the following recent amendments to the Tamil Nadu Minor Mineral Concession Rules, 1959 vide G.O. Ms. No. 244, Industries, Investment Promotion and Commerce (MMC.1), dated. 14.12.2022 which states that

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

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

*(ii) in the second proviso to clause (b), for the expression 'earth', the expression 'ordinary earth' shall be substituted;*

*(c) In sub-rule (2-A), in clause (a), for the expression "earth", the expression "ordinary earth" shall be substituted.*

*(d) In sub-rule (4), for the expression 'earth', 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;*

*(5) In rule 36-B, in the proviso to sub-rule (1), for the expression "earth", the expression "ordinary earth" shall be substituted....."*

Sl. No.	Details of the Proposal	:	Data Furnished
1	Name of the Owner/Firm	:	Thiru. C. Balamurugan, S/o. Chinnaiyan, No.54/1W, Keelpatti, Rasingapuram, Bodinaickanur Taluk, Theni District - 625 528.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Wind Earth

3	S.F No. of the quarry site with area break-up	:	294/2C, 382/1 & 382/2A
4	Village in which situated	:	Silamalai
5	Taluk in which situated	:	Bodinaickanur
6	District in which situated	:	Theni
7	Extent of quarry (in ha.)	:	1.62.0 Ha
8	Period of quarrying proposed	:	2 years
9	Type of mining	:	Opencast Mechanized Mining
10	Production (Quantity in m <sup>3</sup> )	:	19,026 m <sup>3</sup> of Wind Earth
11	Latitude & Longitude of all corners of the quarry site	:	09°58'25"N to 09°58'29"N 77°19'57"E to 77°20'03"E
12	Topo Sheet No.	:	58-G/05
13	Man Power requirement per day:	:	7 Nos
14	Precise area communication approved by Assistant Director, Department of Geology and Mining with date	:	Na.Ka.En.249/Kanimam/2018. dated:30.05.2019
15	Mining Plan approved by Assistant Geologist / Assistant Director (i/c), Department of Geology and Mining with date	:	Roc.No.249/Mines/2018. dated:17.06.2019
16	Water requirement: 4. Drinking water & domestic purposes (in KLD) 5. Dust Suppression (in KLD) 6. Green Belt (in KLD)	:	2.3 KLD 0.8 KLD 1.0 KLD 0.5 KLD
17	Power requirement b. Domestic Purpose c. Industrial Purpose	:	TNEB 3710 Litres of HSD
18	Depth of quarrying	:	1.5m bgl
19	Depth of water table	:	25m


  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

20	Whether any habitation within 300m distance	:	No
21	Project Cost (excluding EMP cost)	:	Rs. 8,65,000/-
22	EMP cost	:	Rs. 10,49,750/-
23	CER cost	:	Rs. 2,00,000/-
24	Assistant Director, mines 500m cluster letter	:	Roc.No.249/Mines/2018, dated:18.10.2019
25	VAO certificate regarding 300m radius cluster	:	Letter dated: 28.08.2019

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 production quantity 19,026 m<sup>3</sup> Earth with an ultimate depth of mining to 1.5m BGL subject to the standard conditions as per the Annexure-I 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 statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
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 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
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.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

5. 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.
6. 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.
7. 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.
8. 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. 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.
9. 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.
10. **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, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall

  
MEMBER SECRETARY  
SEAC-TN

  
CHAIRMAN  
SEAC-TN


complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.


12. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
13. 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.
14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.

20. 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.
21. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
22. 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.
23. 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.
25. 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.
26. 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.
27. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

28. As accepted by the Project proponent the CER cost is Rs. 2 lakh and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

**Agenda No: 337-09**

**(File No: 8150/2020)**

**Proposed Rough Stone quarry lease area over an extent of 2.60.0Ha at S.F.No: 548 (P) Kethaiyurumbu Village, Oddanchatram Taluk, Dindigul District Tamil Nadu by Thiru.K.Subbiah- For Environmental Clearance (SIA/TN/MIN/188580/2020, dated: 18.12.2020)**

The proposal was placed for appraisal in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Thiru.K.Subbiah, has applied for Environmental Clearance for the proposed Rough Stone quarry lease area over an extent of 2.60.0Ha at S.F.No: 548 (P) Kethaiyurumbu Village, Oddanchatram Taluk, Dindigul District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 396175 cu.m of Rough Stone & 14734 cu.m of Topsoil and the ultimate depth of mining is 31m BGL (existing depth – 5m BGL).
4. The area has been quarrying operation earlier and EC issued vide SEIAA. Lr.No.SEIAA-TN/F.No.1718/EC/1(a)/1152/2013 dated: 03.03.2014 to depth of 14m BGL for a period of 5 years. Existing pit- 5m BGL.
5. Earlier, this proposal was placed in the 223<sup>rd</sup> SEAC Meeting held on 30.07.2021. Based on the presentation and documents furnished by the project proponent, SEAC decided that project proponent shall submit revised 500m AD mines letter including the details of expired quarry, along with the dates of lease expiry and last day of quarrying operation.

Now, the proposal was again placed for reappraisal in this 337<sup>th</sup> meeting of SEAC held

on 13.12.2022. Based on the presentation made by the proponent, the SEAC decided to call for the following details from the PP.

1. The PP shall furnish the certified compliance report obtained from the IRO, MoEF&CC, Chennai (or) the concerned DEE/TNPCB on the existing EC issued. On receipt of the aforesaid details, SEAC would further deliberate on this project and decide the further course of action.

**AGENDA No: 337- 10**

(File No: 8162/2022)

**Proposed Gravel quarry lease over an extent of 3.93.5 Ha at S.F.Nos.242/1B2, 242/1C & 242/1D(P) Kurungulam (west) Village, Thanjavur Taluk, Thanjavut District, Tamil Nadu by Thiru. G Pasupathi- For Environmental Clearance (SIA/TN/MIN/187781/2020)**

The proposal was earlier placed in the 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). During the meeting the PP has not attended the meeting. Hence the SEAC decided to defer the proposal.

**AGENDA No: 337- 11**

(File No: 8263/2022)

**Proposed Rough Stone and Gravel quarry lease over an extent of 2.57.0 Ha at S.F.Nos. 228/2 at Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.Lord Edwinson (Formerly by late Thiru. A. Kumar) – For Environmental Clearance (SIA/TN/MIN/401949/2022, dated 30.09.2022)**

The proposal was earlier placed in the 330<sup>th</sup> meeting of SEAC held on 17.11.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent made presentation of the project before the Committee.

**The SEAC noted the following:**

1. The project proponent, Thiru. A. Kumar has applied seeking Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease over an extent of 2.57.0 Ha at S.F.Nos. 228/2 at Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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, as amended.

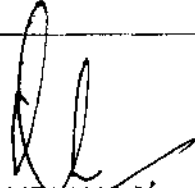
3. ToR Issued vide Lr.No.SEIAA-TN/F.No.8263/SEAC/ToR-953/2020 Dated: 30.04.2021 to late Thiru. A. Kumar (Father of the proponent)

Based on the presentation and the documents furnished by the Proponent, the Committee directed the proponent to furnish Certified Compliance report pertaining to existing EC. On receipt of the same, the subject will be taken up for further deliberations.

Proponent furnished the details sought on 01.12.2022. Hence the proposal was placed in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. From the

Sl. No.	Details of the Proposal
1.	Name of the Owner / Firm Legal Heir Thiru. K.LORD EDWINSON S/o. A.Kumar (Late), No.37, Susaiyapuram, First Street, Tiruppur District – 641 601
2.	Type of quarrying (savudu / Rough stone / Sand / Granite) Rough stone and Gravel
3.	S.F No. of the quarry site 228/2
4.	Village Velampalayam
5.	Taluk Palladam
6.	District Tiruppur
7.	Extent of Quarry (in ha.) 2.57.0 Ha Patta land
8.	Period of Quarrying proposed 5 years
9.	Type of Mining Opencast Mechanized
10.	Production (Quantity in m <sup>3</sup> ) Geological Resource: 6.07,465m <sup>3</sup> of Rough stone and 396 465m <sup>3</sup> of Gravel to an ultimate depth of 48mBGL.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

		5-year Production is estimated to be 1,23,800 m <sup>3</sup> of Rough Stone (Restricted as per ToR) with bench geometry of 5 m x 5m. Annual peak production is 42,315 m <sup>3</sup> of Rough stone (1 <sup>st</sup> year)
11.	Ultimate Depth of Mining	38 m
12.	Latitude & Longitude of all corners of the quarry site	11°04'01.68"N to 11°04'05.87"N 77°15'45.23"E to 77°15'52.81"E
13.	Topo sheet No.	58 - E/08
14.	Man power requirement per day:	24 Employees
15.	Precise Area Communication	Na.Ka.No. 681/Kanimam/2020, Dated: 20.11.2020
16.	Mining plan approval letter	Rc.No.681/2020/Mines, Dated: 28.12.2020.
17.	500mts letter	Rc.No.681/2020/Mines, Dated: 28.12.2020.
18.	Water requirement: 3. Drinking & domestic purposed (in KLD) 4. Dust Suppression (in KLD) 5. Green Belt (in KLD)	2.8kLD 0.5kLD 1.7kLD & 0.6kLD
19.	Power requirement: c. Domestic purpose d. Industrial Purpose	TNEB
20.	Depth of Water table	62m-58m
21.	Whether any habitation within 300m distance	No as per VAO letter
22.	Project cost (Excluding EMP cost)	Rs. 1,30,60,000/-
23.	EMP cost	Capital Cost- Rs.40,81,268/- Recurring Cost/Annum- Rs. 15,09,885/-
24.	CER cost	Rs. 5,00,000/-
25.	VAO letter dated	Letter Dated: 14.12.2020

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

Besides the above, the SEAC had noted the following:


- (i) The Certified Compliance Report obtained from the IRO, MoEF Chennai has been submitted by the PP.
- (ii) The fencing has been installed around the boundary of the existing quarry lease as per the statutory norms.
- (iii) The solar light has been provided in the street roads of the neighbouring village.
- (iv) The PP had opened a bank account exclusively for the maintenance of EMP accounts as per the MoEF OM.
- (v) The PP had accepted and provided the revised production plan for the proposed quarry as follows:

Parameters	As per Approved Mining Plan	As per Revised Plan permitted by the SEAC
Total excavation	1,36,750 m <sup>3</sup> of Rough Stone	1,23,800 m <sup>3</sup> of Rough Stone
Annual Peak Production Capacity	42,315m <sup>3</sup> of Rough Stone	42,315m <sup>3</sup> of Rough Stone
Ultimate Depth (in)	48 m	38 m

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 production quantity of 1,23,800 m<sup>3</sup> of Rough Stone and not exceeding the annual peak production capacity of 42,315m<sup>3</sup> of Rough Stone by restricting the ultimate depth of mining to 38m subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

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

2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operations as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The Project Proponent (PP) shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
4. 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.
5. 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.
6. In case of carrying out the 'Deep-hole large diameter drilling and blasting' in the proposed quarries, the PP shall obtain prior permission from the Director of Mines Safety, Chennai Region after the commencement of mining operations under the provisions of Reg. 106 (2) (b) of MMR 1961.
7. The PP shall carry out the scientific studies within a period of **one year** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', 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 deviation.
8. The PP shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

9. However, 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 mbgl (or) after the completion of 4 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. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
11. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
12. 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.
13. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
14. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



16. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
17. 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.
18. 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.
19. The proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
20. 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.
21. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakh** and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

**Agenda No: 337-12**

**(File No: 8294/2021)**

**Proposed Rough Stone quarry & Gravel Quarry lease over an extent of 1.68.0 Ha at S.F.Nos. 80/3, 80/4, 80/5, 80/6, 80/17 & 80/19 of Melur Village, Kulathur Taluk, Pudukottai District, Tamil Nadu by M/s. Sai Hridham infraa (P) Ltd - For Environmental Clearance. (SIA/TN/MIN/405697/2022, dated: 07.11.2022)**

The proposal was placed for appraisal in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are given in the website([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

1. The project proponent, M/s. Sai Hridham Infraa (P) Ltd has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.68.0Ha at S.F.Nos. 80/3, 80/4, 80/5, 80/6, 80/17 & 80/19 of Melur Village, Kulathur Taluk, Pudukkottai 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.

Based on the presentation and documents furnished by the project proponent, SEAC on viewing google map it is observed that the southern side of the existing pit -i.e., safety berm, has been extracted for a width of about 5m. Hence SEAC decided to obtain the following from the PP:

- (i) A letter from the concerned AD (Geology & Mining) stating whether the PP has violated or not.
- (ii) If no violation has been observed with the PP, the necessary corrections shall be incorporated in the 'Production & Development' plan & section which was submitted as a part of the approved Mining Plan with the consent of the competent authority to indicate the existence of safety berm and it shall be submitted.

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

**AGENDA No: 337-13**


**(File No: 8305/2021)**

**Proposed Earth quarry lease over an extent of 1.70.0 Ha at S.F.Nos. 62(P), Nelkattumseval Village, Sivagiri Taluk, Tenkasi District, Tamil Nadu, by Tmt.P.Gomathi Muthurani- For Environmental Clearance. (SIA/TN/MIN/195529/2021, dated 29.01.2021)**

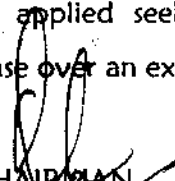
The proposal was placed in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Tmt.P.Gomathi Muthurani has applied seeking Environmental Clearance for the proposed Earth quarry lease over an extent

  
MEMBER SECRETARY  
SEAC -TN

50

  
CHAIRMAN  
SEAC - TN

of 1.70.0 Ha at S.F.Nos. 62(P), Nelkattumseval Village, Sivagiri Taluk, Tenkasi District, Tamil Nadu.

2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.

3. The PP has obtained approved mining plan in the name of 'Earth'.

The SEAC had observed the following recent amendments to the Tamil Nadu Minor Mineral Concession Rules, 1959 vide G.O. Ms. No. 244, Industries, Investment Promotion and Commerce (MMC.1), dated. 14.12.2022 which states that

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

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

*(ii) in the second proviso to clause (b), for the expression 'earth', the expression 'ordinary earth' shall be substituted;*

*(e) In sub-rule (2-A), in clause (a), for the expression "earth", the expression "ordinary earth" shall be substituted.*

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

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

*(7) In rule 36-B, in the proviso to sub-rule (1), for the expression "earth", the expression "ordinary earth" shall be substituted....."*

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Tmt.P.Gomathi Muthurani W/o. Pandiyaraja, Block No. 1, Aranmanai Street, Nelkattumseval, Sivagiri Taluk, Tenkasi District – 627 758

  
MEMBER SECRETARY  
SEAC -TN

51

  
CHAIRMAN  
SEAC- TN

2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Earth Quarry
3.	S.F No. of the quarry site with area break-up	62 (P)
4.	Village in which situated	Nelkattumseval Village
5.	Taluk in which situated	Sivagiri Taluk
6.	District in which situated	Tenkasi District
7.	Extent of Quarry (in ha.)	1.70.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	09°14'15.67"N to 09°14' 21.19"N 77°27'11.75"E to 77°27' 16.36"E
9.	Topo sheet No.	58-G/ 08
10.	Type of Mining	Opencast method of shallow mining
11.	Period of Quarrying proposed	Three Years
12.	Production (Quantity in m³)	17,064m³ Earth
13.	Depth of quarrying	2m BGL
14.	Depth of water table	46m (BGL)
15.	Man power requirement per day:	8 Employees
16.	Source of Water Requirement	vendors and existing bore wells from nearby area
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression, Green Belt & Drilling (in KLD)	2.2 KLD 0.5 KLD 1.0 KLD 0.7 KLD
18.	Power requirement: a) Domestic purpose b) Industrial Propose	TNEB 2840 Liters of HSD
19.	Whether any habitation within 300m distance	No
20.	Precise Area Communication approved by the, Joint Director /	Rc.No.M2/39420/2017, Dated 18.12.2020

	Assistant Director (i/c), Department of Geology and Mining, with date	
21.	Mining plan approved by Joint Director / Assistant Director (i/c), Department of Geology and Mining, with date	Rc. No. M2/39240/2017 Dated: 09.01.2021.
22.	Joint Director / Assistant Director (i/c). Department of Geology and Mining, with date 500mts letter	RC. No. M2/39240/2017, Dated:09.01.2021.
23.	VAO Certificate regarding 300m Radius letter dated	28.12.2020
24.	Project cost (excluding EMP cost)	Rs.11.19 Lakhs
25.	EMP cost	Rs.1.33 Lakhs
26.	CER cost	2 Lakhs as per SEAC Minutes

After detailed deliberations, SEAC decided to recommend the proposal for the grant of **Environmental Clearance**, for a production quantity of 17,064 m<sup>3</sup> of Earth by maintaining an ultimate depth of 2m 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 proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
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 and shall

  
MEMBER SECRETARY  
SEAC -TN.


  
CHAIRMAN  
SEAC- TN


furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

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. 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.
6. 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.
7. 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.
8. 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. 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.
9. 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.
10. **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,  
(ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.


11. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
12. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
13. 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.
14. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
15. 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.
16. 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.
17. 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.
18. 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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

19. 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.
20. 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.
21. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
22. 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.
23. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
26. The Project Proponent shall 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.
29. 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.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



30. 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.

31. As accepted by the Project Proponent (in lieu of CER) cost of Rs. 2 Lakh shall be remitted to the DFO, Tenkasi towards capital expenditure for Nellai Wildlife Sanctuary before obtaining CTO from TNPCB.

**AGENDA No: 337-14**

**(File No: 8326/2021)**

**Existing Multicolored Granite quarry for over an extent of 1.44.5Ha of Patta land in S.F.Nos. 1155/1, 1156/3(P) and 1156/5 of Irudhukottai Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu, by Tvl. Vaigai Granites- For Terms of Reference.**

**(SIA/TN/MIN/68257/2021, dated 08.10.2021)**

The proposal was placed in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The project proponent was absent for the meeting. SEAC decided to defer the subject to a later date directing the project proponent to furnish the reason for not attending the meeting.

**AGENDA No: 337- 15**

**(File No: 8340/2022)**

**Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 303(Part - I) Athimugam Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu, by Thiru.K.Govardhan Chowdari - For Environmental Clearance.**

**(SIA/TN/MIN/406518/2022, dated 15.11.2022)**

The proposal was placed in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Thiru.K.Govardhan Chowdari has applied seeking Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 303(Part -1) Athimugam Village, Shoolagiri Taluk, Krishnagiri District.

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC- TN

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, as amended.
3. ToR issued along with Public Hearing vide T.O LrNo.SEIAA-TN/F.No.8340/SEAC/ToR- 965/2021 Dated: 30.04.2021
4. Public Hearing conducted on 28.06.2022
5. EIA submitted on 16.11.2022

Sl. No.	Details of the Proposal	
1.	Name of the Owner / Firm	Thiru. K.Govardhan Chowdari, S/o. Krishnappa, D.No.92,A. Dinnur Village, Perandapalli Post, Hosur Taluk, Krishnagiri District - 635 109
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone
3.	S.F No. of the quarry site	303(Part -1)
4.	Village	Athimugam
5.	Taluk	Shoolagiri
6.	District	Krishnagiri
7.	Extent of Quarry (in ha.)	2.00.0 Government Poromboke land
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast Mechanized
10.	Production (Quantity in m <sup>3</sup> )	Geological Resource: 9,69,906m <sup>3</sup> of Rough stone to an ultimate depth of 57mBGL. 5-year Production is estimated to be 4,02,355cu.m of Rough stone (Restricted as per ToR)with maintaining the revised bench geometry of 5m x 5m. Annual peak production is 42,315 m <sup>3</sup> of Rough stone (1 <sup>st</sup> year)

11.	Ultimate Depth of Mining	40 m (18m AGL + 21m BGL) restricted as per ToR
12.	Latitude & Longitude of all corners of the quarry site	12°45'21.40"N to 12°45'19.65"N 77°59'46.35"E to 77°59'39.87"E
13.	Topo sheet No.	57-L/2
14.	Man power requirement per day:	18 Employees
15.	Precise Area Communication	Na.Ka.No.221/2019/Kanimam, Dated: 13.06.2019
16.	Mining plan approval letter	Rc.No.221/2019/Mines, Dated: 22.10.2019
17.	500m letter	Rc.No.221/2019/Mines, Dated: 22.10.2019
18.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression (in KLD) 3. Green Belt (in KLD)	4.00 kLD 0.67 kLD 2.70 kLD & 0.63 kLD
19.	Power requirement: a. Domestic purpose b. Industrial Purpose	TNEB
20.	Depth of Water table	65m BGL
21.	Whether any habitation within 300m distance	No
22.	Project cost (Excluding EMP cost)	Rs. 1,79,00,000/-
23.	EMP cost	Capital Cost- Rs.53,65,895/- Recurring Cost- Rs. 21,92,623/-
24.	CER cost	Rs. 5,00,000/-
25.	VAO letter dated	Letter Dated: 03.10.2019

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 production quantity restricted to 4,02,355cu.m of Rough stone and not exceeding the annual peak production capacity of 1,22,626m³ of Rough Stone by

  
MEMBER SECRETARY  
SEAC -TN

59

  
CHAIRMAN  
SEAC- TN

restricting the ultimate depth of mining to 40m subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operations as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The Project Proponent (PP) shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai 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 as recommended in the DGMS Circular, 11/1959 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 not disturb the 'Odai' located at a distance of 220 m & 300 m from the boundary of the mine lease. -
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. As the village is situated at a distance of 400 m, the 'Deep-hole large diameter drilling and blasting' is not permitted in the proposed quarries.

9. Since the quarry is proposed in the cluster situations, the PPs shall carry out the scientific studies within a period of **one year** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', 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 deviation.
10. 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 20 m bgl(or) after the completion of 4 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.
11. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation while working in the boundary as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 while working in the cluster situation within a period of six months from the commencement of mining operation.
12. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
13. 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.

  
MEMBER SECRETARY  
SEAC-TN

  
CHAIRMAN  
SEAC-TN

14. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
15. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
18. 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.
19. 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.
20. The proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCB once in 6 months.
21. 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.
22. As accepted by the Project proponent the CER cost is **Rs. 5.0 lakh** and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

**Agenda No.337 – 16.**

**(File No: 8366/2021)**

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

**Proposed Rough Stone quarry lease over an extent of 1.00.0 Ha at S.F. No. 45/2C (Part-6) of Atthipadi Village, Tiruvannamalai Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. S. Sathish Narayanan - for Environmental Clearance. (SIA/TN/MIN/60870/2021 dated 01.03.2022)**

Earlier, this proposal was placed in this 292<sup>nd</sup> Meeting of SEAC held on 07.07.2022. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).


**The SEAC noted the following:**

1. The Project Proponent, **Thiru. S. Sathish Narayanan** has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.00.0 Ha at S.F. No. 45/2C (Part-6) of Atthipadi Village, Tiruvannamalai Taluk, Tiruvannamalai District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. **Tor Issued** letter No. SEIAA-TN/F. No. 7722/SEAC/TOR-1012/2021 Dated: 21.08.2021.
4. **Public hearing** conducted on: 18.12.2021
5. EIA received on: 04.03.2022
6. The lease period is 10 years. The mining plan is for the period of 5 years & as per mining plan, the production should not exceed 118540cu.m. of Rough Stone. The annual peak production 24050 cu.m. of Rough Stone (1<sup>st</sup> Year). The ultimate depth – 25m (5M AGL & 20M BGL).

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

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

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

The proponent has furnished reply vide Ir. Dt: 09.09.2022. In this connection, the proposal was again placed in this 316<sup>th</sup> SEAC Meeting held on 30.09.2022. The Committee noted that both EIA Coordinator and project proponent were absent. The project proponent shall furnish the reason for his absence.

In this connection, the proposal was again placed in this 337<sup>th</sup> SEAC Meeting held on 13.12.2022. The Committee noted that both EIA Coordinator and project proponent were again absent. Therefore, Committee decided to defer the proposal.

**Agenda No. 337-17**

**(File No: 8393/2020)**

**Proposed Rough Stone & Gravel quarry lease over an extent of 1.86.0 Ha in S.F.Nos. 77/2E, 77/2F(P), 79/1A Chikkarampalayam Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Tmt. M Muthammal- For Environmental Clearance (SIA/TN/MIN/405297)**

The proposal was placed for appraisal in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The project proponent gave detailed presentation.

**SEAC noted the following:**

1. The project proponent, Tmt M Muthammal has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.86.0 Ha in S.F.Nos. 77/2E, 77/2F(P), 79/1A Chikkarampalayam Village, mettupalayam Taluk, Coimbatore District , Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification. 2006, as amended

Sl. No.	Details of the Proposal
1.	Name of the Owner / Firm Tmt.M.Muthammal, W/o. R.Mahendran, No.64-G, Sirumugai Road, Siva Nagar, Karamadai, Mettupalayam Taluk, Coimbatore District - 641 104

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone and Gravel Quarry		
3.	S.F No. of the quarry site with area break-up	77/2E (P), 77/2F (P) & 79/1A (P)		
4.	Village in which situated	Chikkarampalayam Village		
5.	Taluk in which situated	Mettupalayam Taluk		
6.	District in which situated	Coimbatore District		
7.	Extent of Quarry (in ha.)	1.82.0Ha		
8.	Latitude & Longitude of all ' corners of the quarry site	11°14'45.62"N to 11°14'50.65"N 76°58'49.83"E to 76°58'57.68"E		
9.	Topo sheet No.	58 - A/16		
10.	Type of Mining	Open cast Semi-mechanized Mining which includes Hand breaking techniques		
11.	Period of Quarrying proposed	Five Years		
12.	Production (Quantity in m <sup>3</sup> )	Parameters	As per Approved Mining Plan	As per Revised Plan permitted by the SEAC
		Total excavation	79,149m <sup>3</sup> of Rough stone	63,384 m <sup>3</sup> of Rough Stone
		Annual Peak Production Capacity	19388m <sup>3</sup> of rough stone	19388 m <sup>3</sup> of Rough Stone
		Ultimate depth	41 m	31 m
13.	Ultimate Depth of quarrying	31m BGL		
14.	Depth of water table	65-60m (BGL)		
15.	Man power requirement per day:	15 Employees		

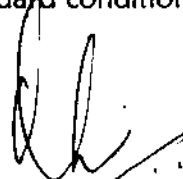
  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

16.	Source of Water Requirement	vendors and existing bore wells from nearby area
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression, Green Belt & Drilling (in KLD)	2.0KLD 0.4KLD 1.0 KLD 0.6 KLD
18.	Power requirement: c) Domestic purpose d) Industrial Propose	TNEB 63,312Liters of HSD
19.	Whether any habitation within 300m distance	No
20.	Precise Area Communication approved by the, Assistant Director, Department of Geology and Mining, with date	Rc.No.267/Kanimam/2020 dated: 31.12.2020.
21.	Mining plan approved by Assistant Director, Department of Geology and Mining, with date	Rc.No.26/Mines/2020 Dated:29.01.2021
22.	Assistant Director, Department of Geology and Mining, with date 500mts letter	RC.No. 267/Mines/2020, Dated:29.01.2021.
23.	VAO Certificate regarding 300m Radius letter dated	04.02.2021
24.	Project cost (excluding EMP cost)	Rs.27.57Lakhs
25.	EMP cost	Rs.3.80Lakhs
26.	CER cost	7.5Lakhs


Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total production of 63,384 m<sup>3</sup> Rough stone with annual peak production 19388 m<sup>3</sup> and the ultimate depth of mining restricted upto 31mbelow ground level,subject to the standard conditions as

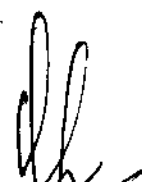
  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

per the Annexure I 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 statutory competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
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 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. Since the quarry is located in the cluster, 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.
7. The PP shall furnish **slope stability action plan** to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
8. The PP shall carry out the green belt development including the plantation within the mine lease area before obtaining the CTO from the TNPCB.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

9. The PP shall undertake suitable measures for welfare amenities of the workers employed in the quarry as per the provisions laid under the Mines Rules 1955.
10. 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 4 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.
11. 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.
12. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
13. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
14. 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.
15. 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.
16. 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.

17. As accepted by the Project Proponent the CER cost is **Rs.7.5 Lakh** and the amount shall be spent on the committed activities for Government School, before obtaining CTO from TNPCB.

**Agenda No. 337-18**

**(File No: 8440/2020)**

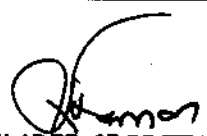
**Proposed Rough Stone & Gravel quarry lease over an extent of 3.38.5Ha (Patta land) in S.F.Nos.207/12, 207/14A1&207/16 of Melur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Tvl.Sai Hridham Infraa (P) Ltd- For Environmental Clearance (SIA/TN/MIN/61468/2021, dated: 12.12.2022)**

The proposal was placed for appraisal in this 337<sup>th</sup> meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The project proponent gave detailed presentation.

**SEAC noted the following:**

1. The project proponent, M/s. Sai Hridham Infraa (P) Ltd has applied for Terms of Reference for the proposed Rough stone & Gravel quarry lease over an extent of 3.38.5Ha at S.F.Nos. 207/12, 207/14A1 & 207/16 of Melur Village, Kulathur Taluk, Pudukkottai 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, as amended.
3. The production for the five years in total quantity of recoverable as 220540cu.m of Rough stone, 30288cu.m of Gravel not exceed for ultimate depth of mining, which is 32m below ground level.
4. ToR issued vide Lr.No.SEIAA-TN/F.No.8440/SEAC/ToR-1000/2021 Dated: 28.07.2021
5. Public hearing conducted on 04.05.2022

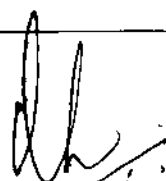
Sr. No.	Details of the Proposal	
1.	Name of the Owner/Firm	: Tvl.SaiHridhamInfraa (P) Ltd No.208/6Muthudaiyanpatti Melur Village Sathyamangalam Post,

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

		Kulathur Taluk Pudukkottai-622501
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel
3.	S.F No. Of the quarry site with area break-up	: 207/12, 207/14A1 & 207/16
4.	Village in which situated	: Melur
5.	Taluk in which situated	: Kulathur
6.	District in which situated	: Pudukkottai
7.	Extent of quarry (in ha.)	: 3.38.5Ha
8.	Period of quarrying proposed	: 5 years
9.	Type of mining	Opencast Mechanized Mining Method
10.	Production (Quantity in m <sup>3</sup> )	: Geological Resource: 10,15,500m <sup>3</sup> of Rough stone and 67,500 m <sup>3</sup> of Gravel to an ultimate depth of 32m BGL 5-year Production is estimated to be 2,08,600 m <sup>3</sup> of Rough Stone and 30,288 m <sup>3</sup> of Gravel to restricted depth of 27m BGL as per ToR Annual peak production is 1,65,200m <sup>3</sup> of Rough Stone and 30.288 m <sup>3</sup> of Gravel (4 <sup>th</sup> year)
11.	Latitude & Longitude of all corners of the quarry site	: 10°27'01.60" N to 10°27'09.24"N 78°46'13.08"E to 78°46'21.62"E
12.	Top Sheet No.	: 58- J/15
13.	Man Power requirement per day:	25 Nos.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

14.	Precise area communication approved by the Deputy Director, Department of Geology and Mining with date	: Rc.No.383/2020(G&M), dated.27.01.2021
15.	Mining Plan approved by the Deputy Director, Department of Geology and Mining with date	: Rc.No.383/2020(G&M), dated: 08.02.2021
16.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	4.0 KLD 1.0 KLD 2.0 KLD 1.0 KLD
17.	Power requirement a. Domestic Purpose b. Industrial Purpose	TNEB 1,81,482Liters of HSD
18.	Depth of quarrying	27m BGL (2m Gravel + 25m Rough Stone)
19.	Depth of water table	: 68m to 63m
20.	Project Cost (excluding EMP cost)	Rs.1,08,67,000/-
21.	EMP cost	: Capital Cost: Rs.50,14,690/- Recurring Cost/Annum: Rs.18,61,430/-
22.	CER cost	: Rs.5 Lakh
23.	500m cluster letter	Rc.No.383/2020(G&M), dated: 08.02.2021
24.	ToR issued	Lr.No.SFIAA-TN/F.No.8440/ SEAC/ToR-1000/2021 Dated: 28.07.2021
25.	Public hearing	04.05.2022
26.	EIA Report submitted	11.11.2022

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC - TN

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total production of 1,16,595m<sup>3</sup> of Rough Stone with an ultimate depth of mining restricted upto 30m below ground level and not exceeding the annual peak production of 30940 m<sup>3</sup> of rough stone and, subject to the standard conditions as per the Annexure I 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 statutory Mines Manager and other statutorily competent persons such as Blaster, Mine Mate, Mine Foreman in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961 respectively.
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 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. Since the quarry is located in the cluster, 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.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



7. Since the habitations are located at a distance of 500 m, the PP shall carry out the scientific studies within a period of **one year** from the commencement of mining operations, for reducing the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust by adopting suitable Controlled Blasting Operations', 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 deviation.
8. 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 4 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.
9. Further, the PP shall furnish necessary application to the Regional Inspector of Mines, DGMS, Chennai Region (DMS, Chennai) for obtaining the relaxation while working near the boundaries as per the provisions given in the Reg. 106 & Reg. 111 of MMR 1961 in the cluster situation within a period of six months from the commencement of mining operation.
10. Since the habitations are located at a distance of 500 m, the PP shall obtain necessary prior permission from the Director of Mines Safety, Chennai for carrying out larger dia deep hole blasting' operation.
11. Since the quarry site lies in the cluster situation, the PP shall furnish a 'Standard Operating Procedure' for carrying out the safe method of carrying out the controlled blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

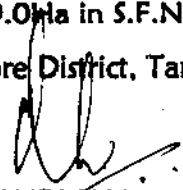
12. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
14. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haulroads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
17. 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.
18. 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.
19. 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.
20. As accepted by the Project Proponent the CER cost is **Rs.7.5 Lakh** and the amount shall be spent on the committed activities for Government School, before obtaining CTO from TNPCB.

**Agenda No. 337-19**

**(File No: 8479/2020)**

**Proposed Rough Stone & Gravel Quarry lease over an extent of 2.59.0Ha in S.F.Nos. 57/1, Thambagoundanpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil**

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC- TN

**Nadu by Thiru.K.Ravikumar- For Environmental Clearance (SIA/TN/MIN/61902/2021 dated 03.03.2021)**

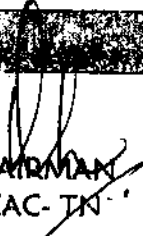
The proposal was placed for appraisal in this 337<sup>th</sup> Meeting of SEAC held on 13.12.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The project proponent gave detailed presentation. **SEAC noted the following:**

1. The project proponent, Thiru.K.Ravikumar has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 2.59.0Ha in S.F.Nos. 57/1 of Thambagoundanpalayam Village, Madukkarai Taluk, Coimbatore 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. As per the mining plan the lease period is 5 years. The mining plan is for the period of 5 years & production should not exceed 3,36,781 m<sup>3</sup> of Rough stone and 9054 m<sup>3</sup> of Gravel. The annual peak production 84811 m<sup>3</sup> of Rough Stone(1<sup>st</sup> Year) & 4320m<sup>3</sup> of Gravel(2<sup>nd</sup> Year). The ultimate depth 42m (2m Gravel + 40m Rough stone) below ground level.
4. ToR issued vide Lr.No. SEIAA-TN/F.No.8479/SEAC/TOR-989/2021 Dated 28/07/2021
5. Public hearing conducted on 23.05.2022
6. The PP has obtained the Certified Compliance Report from the IRO, MoEF & CC, Chennai and complied with the specific conditions laid in the EC as given below:
  - i. Erection of fencing around the quarry
  - ii. Provision of Garland drainage
  - iii. Installation of Solar street lights in the village
  - iv. Green belt development
  - v. Appointment of Statutory competent persons as per the Mines Act, 1952.
  - vi. Periodical monitoring of environmental parameters.

S.No	Details of the Proposal
------	-------------------------

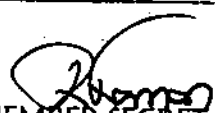
  
MEMBER SECRETARY  
SEAC -TN

75

  
CHAIRMAN  
SEAC- TN

1.	Name of the Owner/Firm	:	Thiru.K.Ravikumar S/o.Krishnaswamy No.15-156-B, Palakkad Road Marapalayam Madukkarai Coimbatore-641105											
2.	Type of quarrying (Savudu/Rough Stone/ Sand/ Granite)	:	Rough Stone &Gravel Quarry											
3.	S.F No. Of the quarry site with area break-up	:	57/1											
4.	Village in which situated	:	Thambagoundanpalayam											
5.	Taluk in which situated	:	Madukkarai											
6.	District in which situated	:	Coimbatore											
7.	Extent of quarry (in ha.)	:	2.59.0Ha											
8.	Period of quarrying proposed	:	5 years											
9.	Type of mining	:	Opencast Mechanized Mining Method											
10.	Production (Quantity in m³)	:	<table><tr><th>Parameters</th><th>As per Approved Mining Plan</th><th>As per Revised Plan permitted by the SEAC</th></tr><tr><td>Total excavation</td><td>3,36,781m³ m³ of Rough stone&amp; 9054m³ of Gravel</td><td>2,56,796 m³ of Rough Stone&amp; 9054m³ of Gravel</td></tr><tr><td>Annual Peak</td><td>84811 m3 of Rough</td><td>84811 m3 of Rough</td></tr></table>			Parameters	As per Approved Mining Plan	As per Revised Plan permitted by the SEAC	Total excavation	3,36,781m³ m³ of Rough stone& 9054m³ of Gravel	2,56,796 m³ of Rough Stone& 9054m³ of Gravel	Annual Peak	84811 m3 of Rough	84811 m3 of Rough
Parameters	As per Approved Mining Plan	As per Revised Plan permitted by the SEAC												
Total excavation	3,36,781m³ m³ of Rough stone& 9054m³ of Gravel	2,56,796 m³ of Rough Stone& 9054m³ of Gravel												
Annual Peak	84811 m3 of Rough	84811 m3 of Rough												

			Production Capacity	stone & 4320 m <sup>3</sup> of Gravel	stone & 4320 m <sup>3</sup> of Rough Stone
			Ultimate depth	41 m	32 m
	a. Latitude & Longitude of all corners of the quarry site	:	10°52'02.67" N to 10°52'10.08"N 76°57'17.47"E to 76°57'24.54"E		
11.	Top Sheet No.	:	58- B/13		
12.	Man Power requirement per day:	:	32 Nos.		
13.	Precise area communication approved by the Deputy Director, Department of Geology and Mining with date	:	Na.Ka.No.336/Kanimam/2020, dated: 07.01.2021.		
14.	Mining Plan approved by the Deputy Director, Department of Geology and Mining with date	:	Rc.No.336/Mines/2020, dated: 12.02.2021		
15.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	:	3.0 KLD 1.0 KLD 1.5 KLD 0.5 KLD		
16.	Power requirement c. Domestic Purpose d. Industrial Purpose	:	TNEB 2,70,934Liters of HSD		
17.	Ultimate Depth of quarrying	:	32m below ground level		
18.	Depth of water table	:	60m-65m		


  
MEMBER SECRETARY  
SEAC - TN

  
CHAIRMAN  
SEAC - TN

19.	Project Cost	Rs. 69,38,000/-
20.	EMP cost	: Capital Cost :Rs.48,44,396/- Recurring Cost:Rs.18,72,300/-
21.	CER cost	: Rs.5 Lakhs
22.	AD mines 500m cluster letter	Roc. No.336/Mines/2020, dated: 12.02.2021
23.	VAO Letter	Letter dated: 05.03.2021
24.	ToR issued	SEIAA-TN/F.No.8479/SEAC/TOR- 989/2021 Dated 28/07/2021
25.	Public hearing	23.05.2022
	EIA Report submitted	26.08.2022


Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total excavation quantity of 2,56,796 m<sup>3</sup> of Rough stone and 9054 m<sup>3</sup> of Gravel restricting the ultimate depth of mining upto 32m BGL considering the safety aspects with the annual peak production shall not exceed 84811 m<sup>3</sup> of Rough Stone & 4320m<sup>3</sup> of Gravel subject to the standard conditions as per the Annexure I 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 mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

4. The proponent shall ensure that the 'S3 (or) G2' type of fencing is provided all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. 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.
6. 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.
7. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.
8. Since the quarry is located at a distance of 310 m from the habitations, 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.
9. As the habitations are located nearby, no 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC -TN

11. Since few habitations are situated at a distance range of 310 m from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies in coordination with the other quarry owners located in the cluster domain on 'Design of Suitable Blast parameters for reducing the cumulative impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarries by adopting appropriate controlled blasting techniques', 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.
12. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
13. Since the quarry lies in a cluster situation, the PP shall carry out the scientific studies in coordination with the other quarry owners located in the cluster domain on 'Hydrogeological Impact due to the cumulative operation of the quarries located in the cluster', 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 University of Madras, Guindy Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and AD/Mines-DGM as a part of Environmental Compliance.
14. 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 4 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

15. 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.
16. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him only as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
17. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
18. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
19. The PP shall remove the abandoned shed situated within 300 m from the lease boundary for the safety reasons before obtaining the CTO from the TNPCB.
20. 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.
21. 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.
22. 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.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

23. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Panchayat Union Primary School, Nachipalayam as committed, before obtaining CTO from TNPCB.

**Agenda No. 337 -20**

**(File No. 8488/2021)**


**Proposed Rough stone quarry over an extent of 1.00.0 Ha in S.F.No. 1797(Part-I) of Kilangundal Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by Thiru.K.Kuppusamy for Environmental Clearance (SIA/TN/MIN/206642/2021 dated 27.03.2021)**


The proposal was placed in this 337<sup>th</sup> Meeting of SEAC held on 13.12.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Kuppusamy has applied for Environmental Clearance for the proposed Rough stone quarry over an extent of 1.00.0 Ha in S.F.No. 1797(Part-I) of Kilangundal Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006. It is Government Poramboke land.
3. As per mining plan, the lease period is 5 years. The mining plan is for 5 years & production should not exceed 14,920cu.m. of Rough Stone and 1,422 cu.m. of Top Soil. The annual peak production 4,360cu.m. of Rough Stone (5<sup>th</sup> year) and 990cu.m. of Top Soil (1<sup>st</sup> year).

Based on the presentation and document furnished by the project proponent, the EIA Coordinator & the legal Heir of the PP has informed that the PP was expired and the process of obtaining legal heir certificate is under progress. Hence, the Committee has decided to defer the proposal and to take up in the forthcoming meeting of SEAC after

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

receipt of Legal heir certificate followed by copy of name transfer of District collector proceedings & Mining plan approval.

Agenda No: 337-21

(File No: 8679/2021)

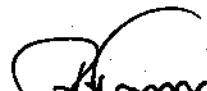
Proposed Rough Stone and gravel quarry lease area over an extent of 1.98.0 Ha at S.F No.571/2B(P), 572/1(P), 572/2(P) & 572/4(P), Irukkandurai Part-II Village, Radhapuram Taluk, Tirunelveli District by Thiru.T.Bright Singh Chelladurai-For Environmental Clearance.(SIA/TN/MIN/211408/2021, dated: 03.08.2021).

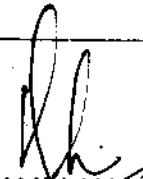
The proposal was earlier placed for appraisal in 260<sup>th</sup> SEAC Meeting held on 1.4.2022, 286<sup>th</sup> meeting of SEAC held on 17.6.2022 and 504<sup>th</sup> SEIAA meeting held on 6.5.2022. The details of the minutes are given in the web site (parivesh.nic.in).

The SEAC noted the following:

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

Sl.No	Details of the Proposal	Date
1.	Name of the Owner / Firm	Thiru.T.Bright Singh Chelladurai S/o. K.C. Thangaraj No.1/112A, Perumal Kovil Street Kothai Gramam, Ozhuginasery, Nagercoil Kanniyakumari-629001
2.	Type of quarrying	Rough Stone, Jelly & Gravel
3.	S.F No. of the quarry site with area break-up	571/2B(P), 572/1(P), 572/2(P) & 572/4(P)
4.	Village in which situated	Irukkandurai Part-II Village
5.	Taluk in which situated	Radhapuram Taluk
6.	District in which situated	Tirunelveli District
7.	Extent of Quarry (in ha.)	1.98.0 ha Patta Land

  
MEMBER SECRETARY  
SEAC-TN

  
CHAIRMAN  
SEAC-TN

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 the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 3,57,430 m <sup>3</sup> of Rough stone and 31,350m <sup>3</sup> of gravel and 15,076m <sup>3</sup> of Weathered Rock. The Annual peak production as per mining plan is 69675m <sup>3</sup> of rough stone (5 <sup>th</sup> year), 14047 m <sup>3</sup> Weathered Rock (1 <sup>st</sup> year) and 29092 m <sup>3</sup> gravel (1 <sup>st</sup> year) with proposed depth of 48m(BGL).
11.	Latitude & Longitude of all corners of the quarry site	08°10'10.21"N to 08°10'17.06"N 77°39'15.54"E to 77°39'20.56"E
12.	Topo sheet No.	58 H/11 & 12
13.	Man power requirement per day:	24 Nos
14.	Precise Area Communication approved by the District Collector Tirunelveli District with date	Rc.No.Rc.No.M1/21440/2018, dated 12.10.2020
15.	Mining plan approved by the Joint Director/Assistant Director (i/c), Directorate of Geology and Mining with date	Rc.No.M1/21440/2018, dated 15.10.2020
16.	500mts letter approved by the Joint Director/Assistant Director (i/c), Department of Geology and Mining with date	Rc.No.M1/21440/2018, dated 15.10.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression	2.5 KLD  1.5 KLD  0.5 KLD

	3. Green Belt (in KLD)	0.5 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB
19.	Depth of Mining	48m below ground level
20.	Depth of Water table	63m-66m
21.	Whether any habitation within 300m distance	Nil
22.	Project cost (excluding EMP cost)	Rs. 88.02 lakhs
23.	EMP cost	Rs.128.04 Lakhs
24.	CER cost	Rs.5 Lakhs
25.	VAO letter dated	23.04.2021

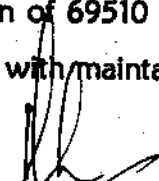
The SEAC has accepted the revised Production & Development Plan provided by the PP as follows:

YEAR	REV YEARLY ROUGHSTONE PRODUCTION (m <sup>3</sup> )					
	Depth as per mining plan (m) for 5 years			As per revised plan		
	GRAVEL (m <sup>3</sup> )	WEATHERED ROCK (m <sup>3</sup> )	ROUGHSTONE (m <sup>3</sup> )	GRAVEL (m <sup>3</sup> )	WEATHERED ROCK (m <sup>3</sup> )	ROUGHSTONE (m <sup>3</sup> )
I	29092	14047	69510	29092	14047	69510
II	2258	1029	69480	2258	1029	69480
III	-	-	69310	-	-	69310
IV	-	-	69455	-	-	69455
V	-	-	69675	-	-	68775
TOTAL	31350	15076	347430	31350	15076	346530

Now the proposal was placed for appraisal in this 337th Meeting of SEAC held on 13.12.2022.

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 346530m<sup>3</sup> of Rough Stone, 15076m<sup>3</sup> of weathered rock and 31350 m<sup>3</sup> of Gravel and not exceeding the annual peak production of 69510 m<sup>3</sup> of Rough Stone, 14047m<sup>3</sup> of weathered rock and 31350m<sup>3</sup> of Gravel with maintaining

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

an ultimate pit depth of 43m bgs subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operations as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
4. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry. In case of carrying out the deep hole blasting, the statutory permission shall be obtained in advance from the Director of Mines Safety, Chennai Region without fail and a copy of the same shall be furnished to the AD (Geology & Mines), DEE/TNPCB and the SEIAA as a part of Environmental compliance.
5. 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 before obtaining the CTO from TNPCB.
6. The project proponent shall complete plantation of sapling of native species for developing green belt before obtaining the CTO from the TNPCB.
7. 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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

system with muffling techniques to ensure the environmentally acceptable blasting operation.

8. Within one year of the commencement of mining operations, the PP shall carry out the scientific studies on controlled blasting for reducing the impact of blast-induced ground/air vibrations and fly rock, 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-Dept of Mining Engg., 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.
9. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 40 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
10. However, 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.
11. 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.
12. The PP shall ensure that the blasting operations are carried out by only the statutory persons like Blaster/Mine Mate/Mine Foreman directly employed by him as per the provisions of MMR 1961 before 5 pm ensuring that the persons

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

have taken proper shelter within the vicinity of 500 m from the place of firing and it shall not be carried out by the persons other than the above statutory personnel.

13. The PP shall ensure that adequate measures are taken to control the propagation of dust at the source level along the haul-roads leading to the highways & village panchayat roads where the trucks are plying with loaded material.
14. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
15. The PP shall undertake suitable measures for the socio-economic development in the villages situated around the quarry.
16. 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.
17. 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.
18. The proponent shall create a separate bank account and shall deposit the amount demarcated for the committed EMP activities every year in advance and the said expenditure details spent on the committed EMP activities shall be maintained & submitted to TNPCCB once in 6 months.
19. 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.
20. As accepted by the Project proponent the CER cost is Rs.5 lakhs and the amount shall be spent for the Government Middle School, Irukkandurai part-II Village for the activities as committed, before obtaining CTO from TNPCCB.

#### ANNEXURE-I

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN




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

  
MEMBER SECRETARY  
SEAC -TN


  
CHAIRMAN  
SEAC- TN

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.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC -TN

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

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

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சள, 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>	Aathu	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathu	இருவாத்
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Parai	பறவை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax zaba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Pinnai	பின்னை
13	<i>Cassia fistula</i>	Seralondrai	செரலொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetenia</i>	Punnamaram	புள மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Maryalliavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Cretova edansonii</i>	Mavalingam	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uzla	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>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றாம்பலரை
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயில மரம், ஆயிலி
27	<i>Lamnea coromandlica</i>	Odhiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pinnattai	பின்பட்டை, பிச்சிப்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழமரம்
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	நச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புளகம்

40	<i>Premna mollissima</i>	Munnai	முன்னை
41	<i>Premna serratifolia</i>	Narumunnai	நடு முன்னை
42	<i>Premna tomentosa</i>	Malipoovarasu	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	வேண்டங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjira roxburghii</i>	Kanipala	கனிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	உகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிபுங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தாங் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேன் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Trospesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodikkapuli	கொடுக்கப்பூ

MEMBER SECRETARY  
SEAC - TN

CHAIRMAN  
SEAC- TN

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

கடிவால் கையில் கருவாரி செல்வாடுகளுக்கான கற்றுத்தல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது. 1944/\_\_\_\_, தேதியில் பட்டிட்டு, கற்றுத்தல் அனுமதி \_\_\_\_\_ தேதி வரை செல்லத்தக்கதாக உள்ளது.

~~CHAIRMAN~~  
~~SEAC- TN~~