

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 308th Meeting of the State Expert Appraisal Committee (SEAC) held on 1st September 2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 308 - 01

(File No: 9290/2022)

Proposed Rough Stone, Gravel & Weathered Rock quarry lease over an extent of 0.75.50 Ha in S.F.Nos. 407/2 Thulaiyanur Village, Thirumayam Taluk, Pudukottai District, Tamil Nadu by Thiru.A.Chinniah for Environmental Clearance (SIA/TN/MIN/247919/2021 Dated 26.05..2022)

The proposal was placed in this 308th Meeting of SEAC held on 01.09.2022. 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.A.Chinniah has applied for Environmental Clearance for the proposed Rough Stone, Gravel & Weathered Rock quarry lease over an extent of 0.75.50 Ha in S.F.Nos. 407/2 Thulaiyanur Village, Thirumayam Taluk, Pudukottai District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of 5 years & the production should not exceed 84705 Cu.m. of Rough Stone, 1980 Cu.m of Gravel & 1980 Cu.m of Weathered Rock . The annual peak production 24485 Cu.m. of Rough Stone (3rd year), and 1980 Cu.m of Gravel (1st Year) & 1980 Cu.m of Weathered Rock (1st Year. The ultimate depth – 49 m BGL.
4. It has been observed that the quarry was operated in two spells previously – 2005 to 20010 & 2011 to 2016 and the lease was expired in 2016.

Based on the presentation and documents furnished by the project proponent, SEAC had observed that (i) the Mining Plan approved by the competent authority shows the non-existence of safety zone of 7.5 m and 10 m in adjacent to the patta land and


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Govt Paramboke land (ii) no benches are formed in the existing pit which is having a depth of 35 m in the area of extent is only 0.75.5 Ha (iii) No Green belt developed in the existing quarry site (iv) No fencing (v) A temple is located at a distance of 250 m from the proposed quarry.

Further under the *Rule 11 (a)* of the Tamil Nadu Minor Mineral Concession Rules 1959;

"....The minimum area that may be granted or renewed under a lease under this rule for ensuring mining activities to optimum depth shall not be less than one hectare;"

The Rule 11 (b) states that ".....The minimum area that may be granted or renewed under a lease under this rule for ensuring mining activities to optimum depth shall not be less than one hectare;

Provided that the State Government, if it is satisfied on the basis of proposed production level, geological or topographical conditions may, for the reasons to be recorded in writing, grant or renew a lease over an area more than the maximum area or less than the minimum area specified under this rule...."

Hence, the SEAC have decided to call for the following details:

1. As there is a temple close to the site within 250 m from the proposed existing mining area, the PP shall obtain a prior permission letter from the Director of Mines Safety, Chennai Region for carrying out the blasting operations in view of public safety.
2. The SEIAA is requested to obtain the reasons for granting the renewal of existing quarry lease which is less than 1 Ha but with a depth proposed from 35 m to 45 m and a comprehensive report on the slope stability of existing quarry wall without benches & safety of employees/ public considering blasting operation, loading and movement haulage trucks after a site inspection, from the AD/DD, Dept. Of Geology & Mining, Pudukottai as per the TNMMC Rules 1959. The AD may also be asked to explain as to how the mining plan was approved without leaving adequate space for maintaining safety zone and without benches of required dimensions.

On the receipt of the same further deliberation will be done.

Agenda No: 308-02

(File No: 9284/2022)

Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha (Govt. Poramboke Land) in S.F.No. 481/2 (part-1), Musuvanoothu Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Thiru M. Bose- For Environmental Clearance (SIA/TN/MIN/273508/2022 Dated 28.05.2022)


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The proposal was placed in the 308th meeting of SEAC held on 01.09.2022. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted of the following:

1. The Project Proponent, Thiru. M. Bose has applied for Environmental Clearance for the proposed Rough Stone quarry over an extent of 2.00.0 Ha (Govt.Poramboke Land) in S.F.No. 481/2 (part-1), Musuvanoothu Village, Nilakottai Taluk, Dindigul 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. As per mining plan, the lease period is 5 years and the proposed mining plan for the period of 5 years with the production should not exceed 430970 cu.m. of Rough Stone and 17802 cu.m. of Top soil. The annual peak production 105510 cu.m. of Rough Stone(2nd year) and 17802 cu.m. of Top soil (1st year). The ultimate depth is 80m (50m AGL & 30m BGL).

During the meeting, the project proponent requested for additional time to submit additional information on proximity of reserve forest. In view of the above, SEAC decided to defer the subject and call for the explanation of PP for not attending the meeting.

Agenda No: 308-03


(File No: 5554/2021)

Existing Silica Sand mine lease over an Extent of 3.06.0Ha in S.F.Nos.2/6, 17/4A & 18/5 at Thagattur Village of Vedaranyam Taluk, Nagapattinam District, Tamil Nadu by Thiru.A.Muthukumar – For ToR-Extension . (SIA/TN/MIN/ 269754/2022 dated 26.04.2022)

The proposal was placed in 308th meeting of SEAC held on 01.09.2022. 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.A.Muthukumar has applied seeking ToR Extension for the Existing Silica Sand mine lease over an Extent of 3.06.0Ha in S.F.Nos.2/6, 17/4A & 18/5 at Thagattur Village of Vedaranyam Taluk, Nagapattinam District, Tamil Nadu.


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2. The project/activity is covered under category "B" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended (Under Violation).
3. The Project Proponent, Thiru.A.Muthukumar has been issued ToR (along with Public Hearing) under violation category vide T.O Letter No.SEIAA-TN/F.No.5554/ToR-444/2018/ dated 30.05.2018 and ToR Amendment vide T.O. Lr No. SEIAA-TN/F-5554/SEAC- CXVIII/TOR- 444(A)/2018 dt 30.07.2018 and ToR Extension vide T.O. Lr. No.SEIAA-TN/F.No. 5554/TOR- 444/2018/A/ dated: 29.10.2021

During the meeting the SEAC noted that the Project proponent has applied for both ToR Extension (this application) and for obtaining the Environmental Clearance vide online proposal No.SIA/MIS/267880/2022, Dated: 15.04.2022 for the same proposal. Hence after detailed discussions, the Committee decided to remit the subject back to SEIAA to look into the issue.

Agenda No: 308- 04
(File No: 9278/2022)

Proposed Rough stone and Gravel Quarry lease over an extent of 1.14.5 Ha in S.F.Nos. 720/2B at Elathur B Village of Nambiyur Taluk, Erode District, Tamil Nadu by Tmt. S. Gnanambal- For Environmental Clearance. (SIA/TN/MIN/274023/2022dated 24.05.2022)

The proposal was placed in 308th meeting of SEAC held on 01.09.2022. 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/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. S. Gnanambal, W/o. S.Selvaraj, No. 138. Arakkankottai, Gobichettipalayam Taluk, Erode District – 638 506
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone and Gravel
3.	S.F No. Of the quarry site with area break-up	: 720/2B

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4.	Village	:	Elathur 'B'
5.	Taluk	:	Nambiyur
6.	District	:	Erode
7.	Extent of quarry (in ha.)	:	1.14.5Ha (patta land)
8.	Existing / Fresh Quarry	:	Existing Quarry – operated during 2016-2021 & present depth = 21 m.
9.	Period of quarrying proposed	:	5 years
10.	Type of mining	:	Open Cast Mechanized Mining
11.	Production (Quantity in m ³)	:	As per the mining plan, the production for 5 years not to exceed 1,02,282 m ³ of Rough Stone and 1,782 m ³ Gravel for an ultimate depth of 42m (BGL) [2m Gravel + 40m Rough Stone]. The Annual peak production as per mining plan is 20560 m ³ of Rough stone (5 th year). Lease period: 5 years
12.	Depth of quarrying	:	42m (BGL) [2m Gravel + 40m Rough Stone]
13.	Latitude & Longitude of all corners of the quarry site	:	11°22'57.92"N to 11°23'01.96"N 77°17'13.40"E to 77°17'17.93"E
14.	Topo Sheet No.	:	58 - E/07
15.	Man Power requirement per day	:	15Nos.
16.	Precise area communication	:	Rc.No. 589/Mines/2021 Dated 07.04.2022
17.	Mining Plan	:	Rc.No. 589/Mines/2021 Dated 20.04.2022
18.	500m cluster letter	:	Rc.No. 589/Mines/2021 Dated 20.04.2022
19.	Water requirement 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	:	1.50 KLD
20.	Power requirement for domestic purpose	:	TNEB
21.	Depth of water table	:	60m
22.	Whether any habitation within 300m distance	:	No as per the VAO letter dated 23.04.2022
23.	Project Cost (including EMP cost)	:	Rs. 35.41 lakhs
24.	EMP cost	:	Capital cost Rs. 16,60,000/- Recurring cost – Rs.17,34,000/- per annum

25.	CER cost	Rs 5 Lakh
25	VAO certificate regarding habitation within 300m radius	Letter dated 23.04.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the restricted quantity of total production of 72,091m³ of Rough stone and 1,782 m³ Gravel to an ultimate depth of 42m (2m Gravel +40m Rough stone) for a period of five years after leaving a width of 10m bench as a Safety Berm from the existing High wall having 21 m height vertically with an annual peak production capacity of 20560 m³ of Rough stone as per the mining plan 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.
2. The PP shall send the notice of opening to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. The Project proponent shall furnish slope stability action plan for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m below ground level which is ratified by the concerned AD (Mines), to the concerned DEE/TNPCB before obtaining CTO.
5. The PP shall leave a bench width of 10 m to act as a 'Safety berm' in the north side of the present quarry where a 'highwall of 21 m' exist vertically without benches and hence suitable measures are taken to cordon off the complete highwall side by installing an effective fencing to prevent people from getting into this area.

6. 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 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NITK-Surathkal – Department of Mining Engineering, 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 before the end of 4th year.
7. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
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 reputed academic/research institution such as NIRM, Anna University-CEG Campus, IIT Madras, NITK Surathkal – Dept of Mining Engg, and other CSIR labs such that the blasts are designed to be conducted by achieving the PPV triggered value at a distance of 1 km from the quarry, is not exceeding 2 mm/s and the copy of the above study report shall be submitted to the SEIAA, the concerned AD (Geology & Mines), the concerned DEE/TNPCB, MoEF-IRO, Chennai and the DMS, Chennai within one year of the commencement of quarrying operation.
9. Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing a dedicated water sprinkler. Adequate corrective measures shall be undertaken to control dust emissions, which would include wet drilling, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.

10. Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.
11. The Project proponent shall include the Mine closure activities as an integral part to the whole life-of-mine plan and, also to protect the environment and public health & safety by using the responsible best mining practices. The PP shall carry out the Progressive closure activities from the commencement of mining operation as provided in their EMP and it shall be reviewed by the concerned DEE/TNPCB (or) AD (Mines) annually.
12. 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.
13. As accepted by the Project proponent the CER cost is Rs. 5 Lakh and the amount shall be spent for the committed activities in Panchayat Union Primary School Kannangkattupalayam Village, Nambiyur Taluk, Erode District before obtaining CTO from TNPCB.

Agenda No: 308- 05

(File No: 9285/2022)

Proposed Rough Stone Quarry Project over an Extent of 2.00.0Ha in S.F.Nos.481/2(part – 2) of Musuvanoothu Village, Nilakottai Taluk, Dindigul District Tamil Nadu by Thiru S.Simeon Raja – For Environmental Clearance. (SIA/TN/MIN/275695/2022 dated 31.05.2022)

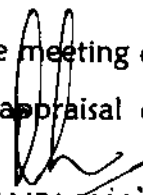
The proposal was placed in 308th meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru S.Simeon Raja has applied seeking Environmental Clearance for the Proposed Rough Stone Quarry Project over an Extent of 2.00.0Ha in S.F.Nos.481/2(part – 2) of Musuvanoothu Village, Nilakottai 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, as amended.

The SEAC noted that the project proponent has not turned up for the meeting due to medical treatment. Hence the Committee decided to defer the appraisal of the


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project proposal to a later date.

Agenda No: 308-06

(File No: 5415/ 2022)

Existing Grey Granite Quarry over an extent of 4.05.0 Ha at S.F. Nos. 629 (Part), Nagamangalam Village, Denkanikottai Taluk, Krishnagiri District, by M/s. Indira Granites – Extension of ToR issued under violation notification of MoEF & CC - Regarding. (SIA/TN/MIN/ 269237/ 2022 dated: 23.04.2022)

The SEAC noted the following:

1. Proposed extension of Terms of reference for existing Grey Granite Mine lease over an Extent of 4.05.0Ha in S.F.No.629 (Part) at Nagamangalam Village of Denkanikottai Taluk, Krishnagiri District, Tamil Nadu State by M/s. Indira Granites. Online proposal No. **SIA/TN/MIN/269237/2022**
2. The Terms of Reference was accorded to M/s. Indira Granites for the existing Grey Granite Mine lease over an Extent of 4.05.0Ha in S.F.No.629 (Part) at Nagamangalam Village of Denkanikottai Taluk, Krishnagiri District, Tamil Nadu State for preparation EIA report, EMP report, ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation **under violation** as per the provision of EIA Notification, 2006 as amended vide **Letter No.SEIAA-TN/F.No.5415/ToR-476/2018/ dated 07.06.2018** and amendment issued to ToR vide **Letter No. SEIAA-TN/F-5415/SEAC- CXVIII/TOR- 476(A)/2018 dt 30.07.2018** for a period of three years with validity up to **06.06.2021**.

Based on the presentation made by the proponent, SEAC decided that SEIAA may get the following clarifications from concerned AD/Geology & Mines regarding whether the mine was operated.

1. Whether the PP had operated the quarry without Environmental Clearance (EC) or operated the quarry in producing excess of quantity against the approved quantity as stipulated in the Mining Plan (or) dispatched certain quantity which was already excavated. If so, year wise quantity shall be furnished.
2. Any other violation occurred during the mining period to assess the ecological and other damages.


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

Agenda No: 308-07

(File No: 9349/2022)

Proposed Rough Stone Quarry lease over an extent of 1.42.0 Ha at S.F.Nos. 76, 140 (part-2) of Nathathahalli Village, Dharmapuri Taluk, Dharmapuri District, Tamil Nadu by Thiru. S.Rathinavel - For Environmental Clearance. (SIA/TN/MIN/268005/2022 Dt. 05.05.2022)

The proposal was placed in 308th SEAC meeting held on 01.09.2022. 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. S.Rathinavel has applied for Environmental Clearance for the proposed Rough Stone Quarry lease over an extent of 1.42.0 Ha at S.F.Nos. 76, 140 (part-2) of Nathathahalli Village, Dharmapuri Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, SEAC had observed that (i) few structures exist within the radius of 500 m (ii) the Plans and Sections of the proposed mining operation was prepared wrongly with diagonal sections and hence the SEAC decided to call for additional details as given below:

1. The proponent is requested to furnish the DFO letter.
2. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 200m, and 300m from the boundary of the mine lease area.
3. Revised mining plan incorporating the proper 'Plans and Sections' approved by the competent authority shall be submitted by the PP.

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

Agenda No: 308-08

(File No: 9335/2022)

Proposed Quartz and Feldspar Quarry lease over an extent of 2.07.05 Ha at S.F.Nos. 326/1 of Vaigundam Village, Sankari Taluk, Salem District, Tamil Nadu by


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Tvl. Vels Minerals LLP - For Environmental Clearance. (SIA/TN/MIN/278290/2022 Dt. 16.06.2022)

The proposal was placed in 308th SEAC meeting held on 01.09.2022. 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, Tvl. Vels Minerals LLP has applied for Environmental Clearance for the proposed Quartz and Feldspar Quarry lease over an extent of 2.07.05 Ha at S.F.Nos. 326/1 of Vaigundam Village, Sankari Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, SEAC had observed that (i) the Mettukadu village (habitation) is situated at a distance of 57 m from the boundary of Mining lease area where the drilling & blasting operation is proposed for the ground preparation (ii) a Temple is located in adjacent to the lease boundary decided to call for additional details (iii) Land is not registered in the name of the company.

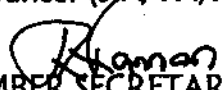
1. The proponent is requested to carry out a survey and enumerate on the permanent/temporary structures such as houses, farm houses, temples, industrial sheds, public buildings, etc located within 50m, 100m, 200m and 300m from the boundary of the mine lease area.
2. The proponent must conduct a survey and furnish the details regarding the population in the Mettukadu village which is located at a distance of 57m from the proposed mine lease area.
3. The proponent is requested to submit the registered lease document.

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

Agenda No: 308-09

(File No: 9286/2022)

Proposed Black Granite Quarry lease over an extent of 2.11.0 Ha at S.F.Nos. 203/1B (Part), 204/2B (Part) and 206/1B of Periyagoundapuram Village, Vazhapadi Taluk, Salem District, Tamil Nadu by Thiru. M. Ponnambalam - For Environmental Clearance. (SIA/TN/MIN/274479/2022 Dt. 24.05.2022)


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The proposal was placed in 308th SEAC meeting held on 01.09.2022. 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. M. Ponnambalam has applied for Environmental Clearance for the proposed Black Granite Quarry lease over an extent of 2.11.0 Ha at S.F.Nos. 203/1B (Part), 204/2B (Part) and 206/1B of Periyagoundapuram Village, Vazhapadi Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, SEAC decided to call for additional details

1. The proponent is requested to furnish the DFO letter stating the proximity distance from nearest RF, WLS etc., within 25 KM radius distance
2. The proponent must submit the certified compliance report.
3. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 200m and 300m from the boundary of the mine lease area.

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

Agenda No: 308-10

(File No: 9280/2022)

Proposed Gravel quarry Lease over an extent of 4.44.0 Ha at S.F.No. 1611/1B & 1422/3 in Alampalayam Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by Thiru. R.Elaiyaraja – For Environmental Clearance (SIA/TN/MIN/275003/2022 dated 27.05.2022)

The proposal was placed in 308th meeting of SEAC held on 01.09.2022. The project proponent gave a detailed presentation.

Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent for further processing the proposal.

1. A letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also


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does not come under any notified/declared protected zones in terms of the above Judgment.

2. A comprehensive letter obtained from Village Administrative Officer stating the habitations, river bodies, temples, school/colleges and other structures of importance, etc situated in the radius of 500m from the proposed site.
3. A legal agreement document on the land registration showing the ownership of the proposed project area.
4. A report stating the impact of mining on the habitations situated in the vicinity of the project area.

Agenda No: 308-11

(File No: 9294/2022)

Proposed Gravel quarry Lease over an extent of 2.23.21 Ha at S.F.No. 178/12A & 178/10B in Neivasal Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. C.Palaniappan – For Environmental Clearance (SIA/TN/MIN/273754/2022 dated 19.05.2022)

The proposal was placed in 308th meeting of SEAC held on 01.09.2022. The project proponent gave a detailed presentation.

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.

Details of the proposal		
1.	Name of the Owner / Firm	Thiru.C.Palaniappan, S/o. Chinnakalai, No.36A, Ganesh Nagar, Rathinapuri Post, Coimbatore North, Coimbatore -641 027
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Gravel Quarry
3.	S.F No. of the quarry site with area break-up	178/12A and 178/10B
4.	Village in which situated	Neivasal
5.	Taluk in which situated	Thirumayam
6.	District in which situated	Pudukkottai
7.	Extent of Quarry (in ha.)	2.23.21 Ha (Patta land)
8.	Period of Quarrying proposed	Two years
9.	Type of Mining	Opencast method of shallow mining

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10.	Production (Quantity in m ³)	27,758 m ³ of Gravel
11.	Depth of Mining	2.0 m
12.	Latitude & Longitude of all corners of the quarry site	10°09'03.25"N to 10°09'14.14"N 78°40'19.58"E to 78°40'26.69"E
13.	Topo sheet No.	58 - J/12
14.	Man power requirement per day:	21 Employees
15.	Precise Area Communication approved by Assistant Director, Department G&M, with date	Rc.No.500/2019(G&M), dated: 10.03.2022
16.	Mining plan approved by the Assistant Director, Department of G&M with date	Rc.No.500/2019(G&M), dated: 31.03.2022
17.	500m letter approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.500/2019(G&M), dated: 31.03.2022
18.	Water requirement: 1. Drinking water 2. Dust Suppression 3. Green Belt	2.0 KLD 1.0 KLD 0.5 KLD 0.5 KLD
19.	Source of water	Through tankers
20.	Power requirement:	5551 liters of HSD for the entire project life
21.	Depth of Water table	20-22 m
22.	Whether any habitation within 300m distance	No
23.	Project cost (excluding EMP cost)	Rs.24,51,372 /-
24.	EMP cost	4.80 Lakhs
25.	CER cost	5 Lakhs
26.	VAO letter dated	26.04.2022

4. As per the mining plan, the lease period is for 2 years, the total quantity of recoverable should not exceed 27,758m³ of gravel with an ultimate depth of mining 2 m Below Ground Level.

5. The project proponent has submitted a soil classification report obtained from Department of Civil Engineering, University College of Engineering, Dindigul vide Lr.No. 35/UCE/DGL/Testing/Civil/05-2022.

Based on the presentation and document furnished by the project proponent, after


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detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for 27,758 Cu.m of Earth with an ultimate depth of mining is 2m Below Ground Level, subject to the standard conditions & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952.
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.
5. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
6. 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.
7. 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.

8. 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.
9. 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. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
10. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper 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.
11. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
12. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarries assured in the Environmental Management Plan & the approved Mine Closure Plan.
13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
14. 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.

15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
17. 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.
18. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
19. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring health and welfare of the people working in the mines and the surrounding habitants.
20. The project proponent shall ensure that the provisions of the 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.
21. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
22. 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.

23. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
24. 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.
25. 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.
26. 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.
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.
28. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards Panchayat Union Middle School, Malaikudipatti for the committed activities before obtaining CTO from TNPCB.

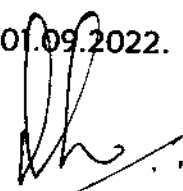
Agenda No: 308-12

(File No: 9343/2022)

Proposed Rough Stone & Gravel quarry Lease over an extent of 1.87.53 Ha at S.F.No. 82/1A, 83/5, 83/6, 83/9, 83/10, 101/2, 101/3 & 101/4A in Pudukalani Village, Ulundurpet Taluk, Kallakurichi District, Tamil Nadu by Thiru. G.Purushothaman – For Environmental Clearance (SIA/TN/MIN/278774/2022 dated 18.06.2022)

The proposal was placed in 308th meeting of SEAC held on 01.09.2022. The project proponent gave a detailed presentation.


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The SEAC noted the following:

2. The project proponent, Thiru.G.Purushothaman, has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.87.53 Ha at S.F.Nos. 82/1A, 83/5, 83/6, 83/9, 83/10, 101/2, 101/3 & 101/4A in Pudukalani Village, Ulundurpet Taluk, Kallakurichi District, Tamil Nadu.
3. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

The proposal was placed in 308 th meeting of SEAC held on 01.09.2022. The project proponent gave a detailed presentation.

Based on the presentation and details furnished by the project proponent, SEAC noted that a water body is located at a distance of less than 20m from the west boundary of the proposed lease area. The Committee, after detailed discussions instructed the project proponent to submit a revised mining plan and mine quantity after leaving a safety distance of 50m from the water body situated to the west of the project site.

Agenda No: 308-13

(File No: 9329/2022)

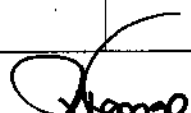
Proposed Rough Stone & Gravel quarry Lease over an extent of 2.31.0 Ha at S.F.No. 148/5, 149/1, 149/5, 149/6, 149/7 & 149/8 in Vilangampadi Village, Tindivanam Taluk, Viluppuram District, Tamil Nadu by Thiru. D. Selvakumar – For Environmental Clearance (SIA/TN/MIN/277209/2022 dated 09.06.2022)

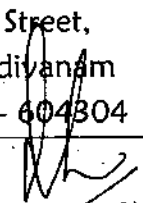
The proposal was placed in 308th meeting of SEAC held on 01.09.2022. The project proponent gave a detailed presentation.

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
27.	Name of the Owner / Firm Thiru. D. Selvakumar, S/o. Mr.Dhandapani, No.101, Kaliyamman Kovil Street, Mailam Village & Post, Tindivanam Taluk, Viluppuram District - 604304


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28.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone & Gravel Quarry
29.	S.F No. of the quarry site	148/5, 149/1, 149/5, 149/6, 149/7 & 149/8
30.	Village in which situated	Vilangampadi
31.	Taluk in which situated	Tindivanam
32.	District in which situated	Viluppuram
33.	Extent of Quarry (in ha.)	2.31.0 Ha (Patta Land)
34.	Period of Quarrying proposed	Five years
35.	Type of Mining	Opencast semi-mechanized mining
36.	Production (Quantity in m ³)	1,71,162m ³ of rough stone and 1430 m ³ of Gravel Annual peak production capacity of 43980 m ³ of rough stone (3rd year) & 1410m ³ of Gravel (2nd year) & 799m ³ of weathered Rock (2nd year)
37.	Depth of Mining	40.0 m below ground level
38.	Latitude & Longitude of all corners of the quarry site	12°7'56.74"N to 12°8'6.02"N 79°36'22.33"E to 79°36'29.60"E
39.	Topo sheet No.	57 - P/12
40.	Man power requirement per day:	14 Employees
41.	Precise Area Communication approved by Deputy Director, Department G&M, with date	Rc.No.B/G&M/241/2020, dated: 27.05.2022
42.	Mining plan approved by the Deputy Director, Department of G&M with date	Rc.No.B/G&M/241/2020, dated: 01.06.2022
43.	500m letter approved by the Deputy Director, Department of Geology and Mining with date	Rc.No.B/G&M/241/2022, dated: 01.06.2022
44.	Water requirement: 6. Drinking water 7. Utilized water 8. Dust Suppression 9. Green Belt	5.0 KLD 0.5 KLD 2.0 KLD 1.5 KLD 1.0 KLD
45.	Source of water	Bore well

46.	Power requirement:	1,37,169 liters of HSD for the entire project life
47.	Depth of Water table	55-50 m
48.	Whether any habitation within 300m distance	No
49.	Project cost (excluding EMP cost)	Rs.36 Lakhs
50.	EMP cost	Rs.35.5 Lakhs
51.	CER cost	5 Lakhs
52.	VAO letter dated	07.06.2022

Based on the presentation and document furnished by the project proponent, after detailed deliberations, taking into consideration the safety aspects, **SEAC decided to recommend the proposal for the grant of Environmental Clearance** for the revised quantity of **1,50,050 m³ of rough stone and 1430 m³ of Gravel** with an Annual peak production capacity of **43980 m³ of rough stone (3rd year) & 1410m³ of Gravel (2nd year) & 799m³ of weathered Rock (2nd year)** maintaining an ultimate depth of mining is **40m** Below Ground Level, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety/Chennai Region before obtaining the CTO.
3. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
2. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him as per the provisions of MMR 1961.

3. The proponent shall erect fencing all around the boundary of the proposed area before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. The PP shall furnish slope stability action plan 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 ratified by the concerned AD (Mines) to the DEE/TNPCB before obtaining CTO.
5. The PP shall leave a bench width of 15 m to act as a 'Safety berm' in the eastern side of the present quarry where a 'highwall of 18 m' exist vertically without benches and hence suitable measures are taken to cordon off the complete highwall side permanently by installing an effective fencing to prevent people from getting into this area and accordingly the 'Plan and Section' of the proposed quarry to be revised by the PP & to be approved by the AD (Geology & Mines) before obtaining the CTO from the DEE/TNPCB.
6. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
7. 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 NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, 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.
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 40 m (or) after the completion of 3 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.

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 EMP furnished.
10. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent towards the Govt. Higher Secondary School, Chinnanerkunam Village for the activities as committed, before obtaining CTO from TNPCB.

Agenda No: 308-14

(File No: 4793/2022)

Proposed Grey Granite quarry Lease over an extent of 1.21.0 Ha at S.F.No. 438(Part) in Jagadevipalayam Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tmt. S.Naseera – For extension in Terms of reference (SIA/TN/MIN/269653/2022 dated 26.04.2022)

The proposal was placed in 308th meeting of SEAC held on 01.09.2022. SEAC noted that the proponent has requested to withdraw the application in Parivesh Portal. During the presentation the proponent replied as follows:

"We have submitted the application seeking Terms of Reference for Environmental Clearance for the existing Grey Granite (Paradiso) quarry over an extent of 1.21.0 Ha in S.F.Nos.438 (Part) at Jagadevipalayam village of Krishnagiri Taluk, Krishnagiri District under violation category.

As per the National Green Tribunal, Southern Zone, Chennai Original application no.136/2017 (SZ), dated.30.06.2020, our quarry lease does not attract violation and 100% cost penalty, the lease may be as normal application.

Hence, we would like to withdraw the above-mentioned proposals and also we have withdrawn the Terms of Reference online proposal no.SIA/TN/MIN/27188/2018 dated on 11.09.2017 and Terms of Reference online proposal no.SIA/TN/MIN/23825/2018 dated on 07.04.2018, Online Proposal No.SIA/TN/MIN/211252/2021 dated 30.07.2021 (terms of reference) – TOR Extension and Online Proposal No.SIA/TN/MIN/269653/2022 dated.26.04.2022 (terms of reference) – TOR Extension and kindly consider the same.

We would like to withdraw the above-mentioned proposals which was submitted to SEIAA"

The Committee after detailed discussions, considered the reasons specified by the PP and decided that SEIAA may accept the TOR 'withdrawal request' of the proponent.


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Agenda No: 308-15

(File No: 9323/2022)

Proposed Rough Stone & Gravel quarry lease area over an extent of 1.29.0Ha at S.F.Nos. 700/1 (P) of Metratti Village, Madathukulam Taluk, Tiruppur District, Tamil Nadu by Thiru. S. Arumugam - For Environmental Clearance. (SIA/TN/ MIN/276698/2022, dated: 11.06.2022).

The proposal was placed in this 308th Meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The project/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
1.	Name of the Owner / Firm Thiru. S. Arumugam, S/o. Shanmugavel, No. 3, Krishnasamy Street, R. C. Nagar, Othakal Mandapam, Arisipalayam, Coimbatore District – 641 032
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 S. F. No. 700/1 (P)
4.	Village in which situated Metratti Village
5.	Taluk in which situated Madathukulam Taluk
6.	District in which situated Tiruppur District
7.	Extent of Quarry (in ha.) 1.29.0Ha
8.	Period of Quarrying proposed Five years
9.	Type of Mining Opencast Mechanized Mining
10.	Production (Quantity in m ³) As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. 1,22,780m ³ of Rough stone for five years and 8,004m ³ of Weathered rock and 18,300m ³ of Gravel for three years with ultimate depth of mining 38m below ground level. The Annual peak production as per mining plan is 26,410m ³ of rough stone (4th year) & 7500 m ³ of gravel (1st year).
11.	Latitude & Longitude of all corners of the quarry site 10° 39' 33.73"N to 10° 39' 36.85"N 77° 20' 56.42"E to 77° 21' 01.68"E
12.	Topo sheet No. 58 - F/06
13.	Man power requirement per day: 20 Employees

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14.	Precise Area Communication approved by the District Collector	Rc.No.610/2021/Mines, Dated: 17.03.2022
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No. 610/2021/Mines Dated: 04.04.2022
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. 610/2021/Mines Dated: 06.05.2022
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	1.2KLD 0.4KLD 0.5KLD 0.3KLD Source : From existing, bore wells and drinking water will be sourced from Approved water vendors.
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 1,02,604Liters of HSD will be utilized for entire project life. 26,864 Liters of HSD for the entire period of life
19.	Depth of Mining	38m (2m Gravel + 1m Weathered rock +35m Rough stone)
20.	Depth of Water table	74 - 69 m (69 m in Rainy Seasons and 74 m in Summer Season)
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 37,18,000/-
23.	EMP cost	Rs. 3,80,000/-
24.	CER cost	Rs.5 lakhs
25.	VAO letter dated	30.03.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for quantity of 1,20,890m³ of Rough stone, 8,004 m³ of Weathered rock and 18,300m³ of Gravel with an annual peak production of 26,410m³ of rough stone (4th year) & 7500 m³ of gravel (1st year) by maintaining an ultimate pit depth of 33m BGL (depth restricted considering safety measures), 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 operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB 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 appointed by the proponent.
5. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
6. Within two years 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 NIRM, IIT(ISM)/Dhanbad, Anna University Chennai-Dept of Mining Engg, NIT Surathkal-Dept of Mining Engg, 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 within two years of commencement of quarrying operation.
7. The proponent must complete the Green belt plantation along the boundary before the execution of lease deed.
8. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated:

30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

9. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayat Union Middle School, Metratti Village before obtaining CTO from TNPCB.

Agenda No: 308-16

(File No: 9288/2022)

Proposed Rough Stone & Gravel quarry lease area over an extent of 1.85.5Ha at S.F.Nos. 776 of Irukkandurai Part -I Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru. S.Kalaiyarsan- For Environmental Clearance.

(SIA/TN/MIN/ 275756/2022, dated: 31.05.2022).

The proposal was placed in this 308th Meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The project/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
1.	Name of the Owner / Firm Thiru. S.Kalaiyarsan, S/o. Singaraya Nadar, No.53, Main Road, Koodankulam Village, Radhapuram Taluk, Tirunelveli District – 627 106
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 S. F. No. 776
4.	Village in which situated Irukkandurai Part -I Village
5.	Taluk in which situated Radhapuram Taluk
6.	District in which situated Tirunelveli District
7.	Extent of Quarry (in ha.) 1.85.5Ha
8.	Period of Quarrying proposed Five years
9.	Type of Mining Opencast Mechanized Mining
10.	Production (Quantity in m ³) As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. 2,55,840m ³ of Rough Stone and 28,224m ³ of Gravel with ultimate

		depth of mining 42m (2m Gravel + 40m Rough Stone). The Annual peak production as per mining plan is 53,890m ³ of rough stone (1st year) & 11,564m ³ of gravel (1st year).
11.	Latitude & Longitude of all corners of the quarry site	08°11'45.25"N to 08°11'51.69"N 77°38'11.54"E to 77°38'15.94"E
12.	Topo sheet No.	58 - H/12
13.	Man power requirement per day:	28 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No. M1/9213/2018, Dated: 12.10.2020
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No. M1/9213/2018 Dated: 15.10.2020
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. M1/9213/2018 Dated: 15.10.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	2.0KLD 0.5KLD 0.5KLD 1.0KLD Source : From existing, bore wells and drinking water will be sourced from Approved water vendors.
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 2,09,372Liters of HSD will be utilized for five years
19.	Depth of Mining	42m (2m Gravel + 40m Rough Stone)
20.	Depth of Water table	62m - 58 m (58 m in Rainy Seasons and 62 m in Summer Season)
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 45,88,000 /-
23.	EMP cost	Rs. 3,80,000/-
24.	CER cost	No CER
25.	VAO letter dated	16.10.2020

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

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decided to recommend the proposal for the grant of Environmental Clearance for quantity of 2,55,840m³ of Rough stone and 28,224m³ of Gravel with an annual peak production of 53,890m³ of rough stone (1st year) & 11,564m³ of gravel (1st year) by maintaining an ultimate pit depth of 42m 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 No. S.O. 1807(E) Dt12.4.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB 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 appointed by the proponent.
4. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
5. The PP shall provide required number of Sentries at the school located nearby besides at a routine radial distance of 500 m danger zone during the time of blasting operation in order to prevent unauthorized entry of persons/faunas as stipulated under the provisions of MMR 1961.
6. 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) during the 4th year of operation whichever is earlier, by involving a reputed

Research and Academic Institution such as NIRM, IIT Madras, IIT (ISM), 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 before the end of 4th year from the commencement of quarrying operation.

7. The proponent must complete the fencing and also Green belt plantation along the boundary before the execution of lease deed.
8. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.
9. As accepted by the Project Proponent Rs.5 lakhs shall be remitted to DFO, Tirunelveli and the amount shall be spent for doing conservation activities in the Ecological Sensitive area (Kanyakumari Wildlife Sanctuary) before obtaining CTO from TNPCB.

Agenda No: 308-17

(File No: 9351/2022)

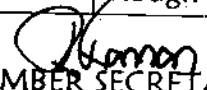
Proposed Rough Stone & Gravel quarry lease area over an extent of 4.41.0Ha at S.F.Nos. 414/6, 414/7, 415/1B1, 415/1B2, 415/1B3, 415/1B4, 415/2, 419/1 and 434/2 of Nedumpirai Village, Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu by Tvl.RPP Infra Projects Ltd - For Environmental Clearance. (SIA/TN/MIN/ 280307/2022, dated: 27.06.2022).

The proposal was placed in this 308th Meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

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

No.	Details of the Proposal	
1.	Name of the Owner / Firm	Tvl.RPP Infra Projects Ltd No.454, Ragupathy Naikenpalayam, Poondurai Road, Erode District, Tamil Nadu-604407
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone and Gravel quarry


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3.	S.F No. of the quarry site with area break-up	S. F. No. 414/6, 414/7, 415/1B1, 415/1B2, 415/1B3, 415/1B4, 415/2, 419/1 and 434/2
4.	Village in which situated	Nedumpirai Village
5.	Taluk in which situated	Cheyyar Taluk
6.	District in which situated	Tiruvannamalai District
7.	Extent of Quarry (in ha.)	4.41.0Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Semi Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. 4,02,955m ³ of Rough Stone, 35,844m ³ of weathered rock and 73,986m ³ of Gravel with ultimate depth of mining 18m below ground level. The Annual peak production as per mining plan is 80870m ³ of Rough stone (3 rd year), 16182m ³ of Weathered rock (1 st & 2 nd year) & 33630 m ³ of Gravel (1st year).
11.	Latitude & Longitude of all corners of the quarry site	12°42'33.98"N to 12°42'41.88"N 79°34'24.34"E to 79°34'32.71"E
12.	Topo sheet No.	57 - P/10
13.	Man power requirement per day:	34Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.1017/Kanimam/2021 dated 10.05.2022
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.1017/Kanimam/2021 dated 30.05.2022
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No.1017/Kanimam/2021 dated 30.05.2022
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression 3. Green Belt (in KLD)	3.0KLD 1.0KLD 1.0KLD 1.0KLD Source : From outside Agencies.
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB

19.	Depth of Mining	18m below ground level
20.	Depth of Water table	72m
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs. 1,07,36,000 /-
23.	EMP cost	Rs. 5,90,000/-
24.	CER cost	Rs.10 lakhs
25.	VAO letter dated	11.05.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for quantity of 4,02,955m³ of Rough Stone, 35,844m³ of weathered rock and 73,986m³ of Gravel with an annual peak production of 80870m³ of Rough stone (3rd year), 16182m³ of Weathered rock (1st & 2nd year) & 33630 m³ of Gravel (1st year) by maintaining an ultimate pit depth of 18m 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 No. S.O. 1807(E) Dt12.4.2022.
2. The PP shall register land document before obtaining CTO from TNPCB.
3. The PP shall plant 2000 nos of trees before obtaining CTO from TNPCB.
4. 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.
5. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB 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 appointed by the proponent.
6. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the

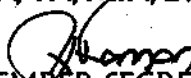
blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.

7. Within two years 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 NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, 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 within two years of commencement of quarrying operation.
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 35 m (or) during the 4th year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, IIT (ISM), 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.
9. The proponent must complete the fencing and also Green belt plantation along the boundary before the execution of lease deed.
10. 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.
11. As accepted by the Project Proponent the CER cost is Rs. 10 lakhs and the amount shall be spent to the committed activities for (i) Government Higher Secondary School, Nedumpirai Village and (ii) Primary School, Mariyanallur Village before obtaining CTO from TNPCB.

Agenda No: 308-18

(File No: 9289/2022)

Proposed Rough stone and Gravel quarry lease over an extent of 3.56.5 Ha at S.F.Nos. 156/1A & 156/1B of Meenakshipuram Village, Ettayapuram Taluk, Thoothukudi District, Tamil Nadu by Thiru.G.Suresh - For Environmental Clearance (SIA/TN/MIN/275995/2022, dated: 01.06.2022)


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The proposal was placed for appraisal in this 308th meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.G.Suresh, has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 3.56.5 Ha at S.F.Nos. 156/1A & 156/1B of Meenakshipuram Village, Ettayapuram Taluk, Thoothukudi 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.

No.	Details of the proposal	
1.	Name of the Owner / Firm	Thiru.G.Suresh S/o. Gurusamy D.No.978 D/6, 3 rd Street, Rajiv Nagar, Kovilpatti, Thoothukudi District – 628 502.
2.	Type of quarrying	Rough stone and gravel
3.	S.F No. of the quarry site with area break-up	156/1A & 156/1B
4.	Village in which situated	Meenakshipuram
5.	Taluk in which situated	Ettayapuram
6.	District in which situated	Thoothukudi
7.	Extent of Quarry (in ha.)	3.56.5 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast semi mechanized method.
10.	Production (Quantity in m ³)	3,46,915 Cu.m of Rough stone and 1,27,145 Cu.m of Gravel with an ultimate depth of mining 40 m BGL Annual peak production – 70290m ³ of Rough stone (4 th year) & 33200m ³ of Gravel
11.	Latitude & Longitude of all corners of the quarry site	09°13'05.50"N to 09°13'17.92"N 77°58'56.84"N to 77°59'02.56"N
12.	Topo sheet No.	58 /G/16
13.	Precise Area Communication approved by the District Collector	Rc.No.G.M.1/887/2021 dated 07.04.2022.


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14.	Mining plan approved by the Assistant Director of Geology and Mining with date	Roc.No.G.M.1/887/2021 Dated: 11.05.2022
15.	500mts letter approved by the Assistant Director of Geology and Mining with date	Roc.No.G.M.1/887/2021 Dated: 11.05.2022
16.	Depth of Mining	40 m (BGL)
17.	Project cost including EMP	Rs. 1,76,95,820 Lakhs
18.	EMP cost	Rs. 2,30,000 -/-
19.	CER cost	RS.5 lakhs

Based on the presentation and documents furnished by the project proponent, SEAC noted that the green patches shown in the mining area is ordinary bushes & the shed located in the vicinity of the project site belongs to the proponent and **decided to recommend the proposal for the grant of Environmental Clearance** for the production of 3,46,915 Cu.m of Rough stone & 1,27,145 cu.m of Gravel for an ultimate depth of 40 m (BGL) with Annual peak production – 70290m³ of Rough stone (4th year) & 33200m³ 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.
2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. The PP shall furnish slope stability action plan for the planned working/ultimate benches as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
5. The PP shall furnish the affidavit to the concerned AD (Geology & Mines) before obtaining the CTO from TNPCB 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 appointed by the proponent.

6. The PP shall carry out the shallow depth Jack hammer drilled holes (of 32-34 mm dia & 1.5 m depth) & NONEL initiation based controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled within the permissible limits as stipulated by the DGMS as well as no fly rock travel beyond 20 m from the blast site.
7. Within two years 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 NIRM, IITs, Anna University Chennai-Dept of Mining Engg, NIT Surathkal, 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 within two years of commencement of quarrying operation.
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 40 m (or) during the 4th year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, IIT (ISM), 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.
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 EMP furnished.
10. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.

Agenda No: 308-19

(File No: 9296/2022)

Proposed Rough stone quarry lease over an extent of 0.80. Ha at S.F.Nos. 150 (P) & 244 (P) of Palayam Village, Arcot Taluk, Vellore District, Tamil Nadu by Thiru.G.Muruganandam - For Environmental Clearance (SIA/TN/MIN/276013/2022)


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The proposal was placed for appraisal in this 308th meeting of SEAC held on 01.09.2022. The project proponent is absent for the appraisal. Hence, SEAC has decided to call for explanation of the PP for not attending the meeting.

Agenda No: 308-20

(File No: 9345/2022)

Proposed Rough stone and Gravel quarry lease over an extent of 0.44.5 Ha (patta) at S.F.Nos. 5/1,14,8,9,10,11 & 5/12B of Keeranur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru.S.Ganesan (Legal hirer Thiru. G. Vaithishwaran, S/o. S. Ganesan (Applicant) - For Environmental Clearance (SIA/TN/MIN/277361/2022, dated: 09.06.2022)

The proposal was placed for appraisal in this 308th meeting of SEAC held on 01.09.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:


1. The project proponent, Thiru.S.Ganesan, has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 0.44.5 Ha (patta) at S.F.Nos. 5/1,14,8,9,10,11 & 5/12B of Keeranur Village, Kulathur Taluk, Pudukkottai 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. Since the expired of the applicant Thiru.S.Ganesan, the legal hirer Thiru. G. Vaithishwaran, S/o. S. Ganesan (Applicant) has continued the process.
4. The AD mines has issued the letter in this regard.

Details of the proposal		
26.	Name of the Owner / Firm	Thiru.S.Ganesan S/o.Sinnaiya Pallathupatti,Keeranur, Pudukkottai District -622502
27.	Type of quarrying	Rough stone and gravel
28.	S.F No. of the quarry site with area break-up	5/1,14,8,9,10,11 & 5/12B
29.	Village in which situated	Keeranur
30.	Taluk in which situated	Kulathur
31.	District in which situated	Pudukkottai
32.	Extent of Quarry (in ha.)	0.44.0 Ha
33.	Period of Quarrying proposed	Five years
34.	Type of Mining	Opencast mechanized method.

35.	Production (Quantity in m ³)	10,660 Cu.m of Rough stone and 864 Cu.m of Gravel with an ultimate depth of mining 15.5 m. Annual peak production – 2400 m ³ of Rough Stone (1 st year) & 864 m ³ of Gravel (1 st year)
36.	Latitude & Longitude of all corners of the quarry site	10°35'55.81"N to 10°36'01.71"N 78°46'37.21"N to 78°46'38.89"N
37.	Topo sheet No.	58 – K/8
38.	Precise Area Communication approved by the District Collector	Rc.No.494/2019(G&M), Dated: 09.03.2022
39.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc.No.494/2019(G&M), Dated: 09.03.2022.
40.	500mts letter approved by the Assistant Director of Geology and Mining with date	Rc.No.62/2020(G&M), Dated: 09.03.2022
41.	Depth of Mining	15.5 m
42.	Project cost	Rs. 21.94 Lakhs
43.	EMP cost	Rs. 11,58,000 -/-
44.	CER cost	RS.5 lakhs

Based on the presentation and documents furnished by the project proponent, SEAC considering the safety point of view, mining activity falls in SF No. 5/12B & less than 12m width bench shall be removed. Accordingly **decided to recommend the proposal for the grant of Environmental Clearance** for the restricted production considering the safety point of view of 10,660 cu.m of Rough stone & 864 cu.m of Gravel for an ultimate depth of 15.5 m with annual peak production – 2400 m³ of Rough Stone (1st year) & 864 m³ of Gravel (1st year), 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.


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2. The consent agreement received from all the legal heirs must be got registered before obtaining CTO.
3. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
4. The Assistant Director of Geology and Mining, Pudukkottai District shall ensure that the proposed mining area should be registered in the name of the proponent before execution of the mining lease.
5. 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.
6. The PP shall ensure that only controlled blasting operation involving line drilling and muffle blasting is carried out in the quarry such that no fly rock travel beyond 30 m from the blast site.
7. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.375 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
8. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
9. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.

ANNEXURE-I

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

slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned Regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.

9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius


- from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
 15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
 16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
 17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
 18. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
 19. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
 20. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
 21. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
 22. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view

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

23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix – II** of this minute.

Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adamsii</i>	Mavalingum	மாவிலங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூங்க
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lanea coromandelica</i>	Odham	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிளிப்பை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்


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

Appendix -II

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

சுரங்கம்

சுரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகமை பகுதி வளர்ச்சி	சுவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
மேம்பாட்டுக்கான சுரங்கத் திட்டம்	சுரங்கப்பாளையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்
	காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நுட்பப்பட்டு	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக சுவாரியின் எல்லையை சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
	சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாகும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.
	சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.
	சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்காதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.
	கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து நன்றி பராமரிக்க வேண்டும்.
	சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.
	நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.
	சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் கிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.
	சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.
	சுரங்க நடவடிக்கைகளை முடித்துவிட்டனர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடைபுறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய துவங்கிகள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகமைப்பகுதியை உருவாக்க வேண்டும்.
	முதுமையான நிபந்தனைகளை அறிய பாதிவேஷ் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புலன்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.