

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of 297<sup>th</sup> Meeting of the State Expert Appraisal Committee (SEAC) held on 21<sup>st</sup> July 2022 (Thursday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 297-01

(File No: 7794/ 2022)

Proposed Rough Stone Quarry lease over an extent of 1.60.0Ha in S.F.Nos.1/4 (Part-31) of Anandalai Village, Walajah Taluk, Vellore District, Tamil Nadu by Thiru.K.J.Dinesh - For Environmental Clearance. (SIA/TN/MIN/56106/2021 dated 09.02.2022)

The proposal was earlier placed for appraisal in the 264<sup>th</sup> meeting of SEAC held on 19.4.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted that,

1. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
2. ToR was issued vide T.O. Lr.No. SEIAA-TN/F.No.7794/SEAC/ToR-870/2020 Dt. 12.3.2020 with the restricted production of Rough stone as per mining plan 598460cu.m & 16000cu.m of topsoil for five year with ultimate depth of 61m.
3. Public Hearing was conducted on 21.10.2021.
4. Final EIA report was submitted on 15.02.2022.

Details of the proposal		
1.	Name of the Applicant	: Thiru.K.J.Dinesh No.62, Ayyavoo Street Shenoy Nagar Amaintthakarai Taluk Chennai District
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone
3.	S.F No. of the quarry site with area break-up	: 1/4 (Part-31)
4.	Village	: Anandalai

  
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5.	Taluk	:	Walajah
6.	District	:	Vellore
7.	Extent of quarry (in ha.)	:	1.60.0Ha
8.	Period of quarrying proposed	:	5 years
9.	Type of mining	:	Opencast Mechanized Method of Mining
10.	Production (Quantity in m <sup>3</sup> )	:	As per the mining plan, the lease period is for 10 years & mining plan is for 5 years. <b>598460cu.m of Rough stone &amp; 16000cu.m of Topsoil</b> The Annual peak production as per mining plan is 138500 m <sup>3</sup> of rough stone (2 <sup>nd</sup> year)
11.	Latitude & Longitude of all corners of the quarry site	:	12°56'25.54"N to 12°56'31.57"N 79°23'46.42"E to 79°23'51.44"E
12.	Topo Sheet No.	:	57 P/05
13.	Man Power requirement per day:	:	31 Nos.
14.	Precise area communication	:	Na.Ka.No.327/2019 (Kanimam), dated:26.11.2019
15.	Approved Mining Plan	:	Roc. No.327/2019 (Mines), dated: 10.06.2020
16.	500m radius letter	:	Roc. No.327/2019(Mines), dated: 18.06.2020
17.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	:	4.4 KLD 0.98 KLD  2.7 KLD 0.72 KLD
18.	Power requirement: a. Domestic Purpose b. Industrial Purpose	:	TNEB 5,41,438Liters of HSD
19.	Depth of quarrying	:	61m (1m+60m)
20.	Depth of water table	:	69m-64m below ground level
21.	Whether any habitation within 300m distance	:	No as per VAO letter dated 22.06.2020
22.	Project Cost (excluding EMP cost)	:	290.99 Lakh

  
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23.	EMP cost	:	Capital – Rs 12.20 Lakh Recurring – Rs 22.9 lakh
24.	CER cost		Rs 6 Lakh
25.	VAO certificate regarding habitation within 300m radius		Letter dated 22.06.2020

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

- The project proponent shall furnish a letter from DFO indicating the exact distance of the **Bagaveli Reserve Forest** located from the project site.

Now the project proponent has furnished the copy of the DFO letter dated 26.05.2022, wherein it is stated that the proposed quarry site is located at an aerial distance of 1.52km from the Bagaveli Reserve Forest.

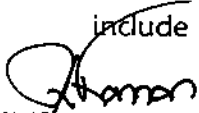
The proposal was again been placed for appraisal in this 297<sup>th</sup> meeting of SEAC held on 21.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a restricted depth of 61m AGL (1m+60m) and the corresponding quantity of **598460cu.m of Rough stone and 16000cu.m of topsoil** as per the approved 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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.

  
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3. The PP shall furnish slope stability action plan to the concerned AD (Mines) 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, before obtaining CTO from TNPCB.
4. 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, NIT-Dept of Mining Engineering, 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.
5. The Project proponent shall ensure that only controlled blasting operation involving NONEL shock tube initiation system and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
6. Since the habitations are located at a distance of 1200 m, the PP shall carry out the controlled blasting using jack hammer drilled holes (32-34 mm dia & 1.5 m length) of not more than 50 holes/round and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation. The PP shall also ensure that the controlled blasting operation shall be carried in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses / any structures (or) buildings located at a distance of 1000 m shall be less than 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. Further, the PP shall carry out maximum of two rounds of blast/day only and also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
7. 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 mechanized sweeping, water sprinkling/mist spraying on haul roads and

  
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loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, etc.

8. 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.
9. 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 safe & responsible closure 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 AD (Mines) annually.
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 furnished.
11. As accepted by the Project proponent the CER cost is Rs. 6 lakh and the amount shall be spent for the committed activities at Aadhi Dhiraavidar Primary School, Musiri Village, Walajah Taluk, Ranipet before obtaining CTO from TNPCB.

**Agenda No: 297-02**

**(File No: 8225/2021)**

**Proposed Rough Stone & Gravel quarry lease area over an extent of 4.50.70Ha at S.F.Nos. 185/1A(P), 185/2B1, 185/2A(P), 192/2 & 194/2, Pungampadi (West) Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl.SSM Blue Metals - For Environmental Clearance. (SIA/TN/MIN/191004/2021, dated: 02.01.2021).**

The proposal was placed for appraisal in 224<sup>th</sup> meeting of SEAC held on 03.08.2021. 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/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	: Tvl.SSM Blue Metals, Thiru.K.I.Paulson

  
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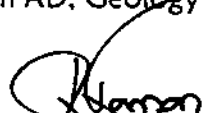
		(Managing Partner) S.F.No.185/2, Vasantham Nagar Thadakovil, Aravakurichi Taluk, Karur District - 639 003
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	: Rough stone and Gravel quarry
3.	S.F No. of the quarry site with area break-up	: S. F. Nos. 185/1A(P), 185/2B1, 185/2A(P), 192/2 and 194/2
4.	Village in which situated	: Pungampadi (West) Village
5.	Taluk in which situated	: Aravakurichi Taluk
6.	District in which situated	: Karur District
7.	Extent of Quarry (in ha.)	: 4.50.70Ha
8.	Period of Quarrying proposed	: Five years
9.	Type of Mining	: Opencast Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	: As per the mining plan, the lease period is for 5 years & mining plan is for 5 years. <b>7,38,148 m<sup>3</sup> of Rough Stone &amp; 37,664 m<sup>3</sup> of Gravel.</b> The Annual peak production as per mining plan is 166375 m <sup>3</sup> of rough stone (3 <sup>rd</sup> year) & 19740 m <sup>3</sup> of gravel (3 <sup>rd</sup> year)
11.	Latitude & Longitude of all corners of the quarry site	: 10°48'22.02"N to 10°48'30.71"N 77°56'15.90"E to 77°56'27.29"E
12.	Topo sheet No.	: 58 - F/13
13.	Man power requirement per day:	: 48 Employees
14.	Precise Area Communication approved by the District Collector with date	: Rc.No. 336/Mines/2019, Dated: 20.11.2019
15.	Mining plan approved by the	: Rc.No. 336/Mines/2019, Dated: 06.03.2020

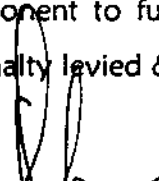
  
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	Deputy Director of Geology and Mining with date	
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. 336/Mines/2019, Dated: 09.09.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	4.0KLD  1.0KLD Water vendor 2.0 KLD&1.0 KLD Existing Bore well & Mine Pit
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 5,96,792 Liters of HSD
19.	Depth of Mining	37m (2m Gravel + 35m Rough Stone)
20.	Depth of Water table	58m in summer & 63m in Rainy season
21.	Whether any habitation within 300m distance	No
22.	Project cost (excluding EMP cost)	119.16 Lakhs
23.	EMP cost	21.72Lakhs
24.	CER cost	5.50 lakhs
25.	VAO letter dated	05.09.2020

Based on the presentation made and the documents furnished by the Project proponent, SEAC noted that the proponent has illegally mined out the Kallan kuthu area at S.F.No. 193 Pungampadi (West) Village, Aravakurichi Taluk, Karur District. In this connection, the SEAC deferred the proposal and directed the proponent to furnish letter from AD, Geology & Mining regarding details along with copy of penalty levied & receipt of

  
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penalty paid for excess mined out rough stone quantity in Kallan kuthu area of 0.27 ha at SF.No.193 Pungampadi (West) Village, Aravakurichi Taluk, Karur District, Tamil Nadu.

The project proponent has furnished the reply vide letter dated 23.09.2021 and the proposal was placed for appraisal in the 259<sup>th</sup> meeting of SEAC held on 31.03.2022.


Based on the presentation and documents furnished by the project proponent, SEAC noted that the project proponent has not submitted certified compliance report for previously issued EC and not complied with green belt and fencing conditions. Hence the committee decided that the proponent shall furnish certified compliance report to EC issued vides Lr.No. SEIAA-TN/F.No.1710/EC/1(a)/770/2013 Dated: 04.10.2013.

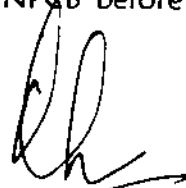
On receipt of the aforesaid details, SEAC would further deliberate on this project and decide the further course of action.

The proposal was again been placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. The project proponent presented the along with the details requested in the 259<sup>th</sup> meeting of SEAC held on 31.03.2022.

Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for an production quantity of 7,38,148 cu.m of rough stone & 37,664 cu.m of gravel by maintaining the an ultimate depth of 37 m ( 2 m gravel + 35 m Rough Stone) below ground level, subject to the standard conditions as per the Annexure-I of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:


1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB before applying CTO from TNPCB.

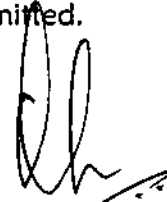
  
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3. Since structures are present at 300 m on the western side of the proposed quarry site, the PP shall carry out the controlled blasting using jack hammer drilled holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation. The PP shall also ensure that the controlled blasting operation shall be carried in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. Further, the PP shall obtain prior permission to carry out aforesaid controlled blasting operation from the Director of Mines Safety (DMS), Chennai Region before obtaining the CTO.
4. As committed by the project proponent, it shall be ensured that the line drilling is carried out continually on the western part of the boundary of the quarry lease to provide necessary splitting/air gap from the host rock mass to reduce the transmission of the shock waves by which the vibration to the nearby structures is considerably reduced or eliminated.
5. The PP shall furnish slope stability action plan to the concerned AD (Mines) 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, before obtaining CTO from TNPCB.
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 30 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, NIT-Dept of Mining Engg., Surathkal, Anna University Chennai-CEG Campus, and any other 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.
7. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

  
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8. As accepted by the Project Proponent the CER cost is Rs. 5.5 lakhs and the amount shall be spent to the committed activities for Panchayat union primary school, Ariyaur before obtaining CTO from TNPCB.

**Agenda No: 297-03**

**(File No: 8234/2021)**


**Proposed Brick Earth quarry lease area over an extent of 0.09.0Ha at S.F.Nos.88/2A(P), 88/2B(P) & 88/2C(P) of Guruvayal Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by Thiru.J.Mohan - For Environmental Clearance. (SIA/TN/MIN/192762/2021,dated: 12.01.2021).**

The proposal was placed in 252<sup>nd</sup> SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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.J.Mohan, Proprietor of M/s.K.A.Bricks Industry, Azhinjivakkam Village, Uthukottai Taluk, Tiruvallur District.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Brick Earth quarry
3.	S.F No. of the quarry site with area break-up	S. F. Nos. 88/2A(P), 88/2B(P) & 88/2C(P)
4.	Village in which situated	Guruvayal
5.	Taluk in which situated	Tiruvallur
6.	District in which situated	Tiruvallur
7.	Extent of Quarry (in ha.)	0.09.0Ha
8.	Period of Quarrying proposed	One year
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	As per the mining plan, the lease period is for 1 year & mining plan is for 1 year. <b>864 m<sup>3</sup> of Brick Earth</b>

  
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11.	Latitude & Longitude of all corners of the quarry site	13°14'0.15"N to 13°14'2.25"N 80°3'53.49"E to 80°3'56.09"E
12.	Topo sheet No.	66 - C/04
13.	Man power requirement per day:	05 Employees
14.	Precise Area Communication approved by the District Collector with date	Rc.No. 166/2020/kanimam2, Dated: 14.09.2020
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No. 166/2020/G&M-2, Dated: 03.11.2020
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. 166/2020/G&M-2, Dated: 03.11.2020
17.	Water requirement: 3. Drinking & domestic purposed (in KLD) 4. Dust Suppression & Green Belt (in KLD)	2.27KLD  0.06KLD&UtilizedWater0.21KLD 2.0 KLD
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB -
19.	Depth of Mining	1m
20.	Depth of Water table	20m in summer & 15m in Rainy season
21.	Whether any habitation within 300m distance	No
22.	Project cost (including EMP cost)	1.76 Lakhs
23.	EMP cost	21,000
24.	CER cost	0.35 lakhs
25.	VAO letter dated	07.01.2021

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

  
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given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain direction. Acting on the Judgment, the Committee therefore directed the proponent to submit the following additional details for further processing the proposal.


1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce 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 does not come under any notified/declared protected zones in terms of the above Judgment.

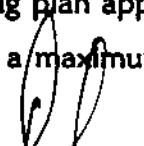
Now The PP has furnished the soil test report dated: 02.11.2021 issued by the Dept. of Civil Engineering, College of Engineering, Guindy, Anna University, Chennai-25 and also letter from dated: 11.05.2022, wherein it is stated that the location of the proposed area for the removal of Ordinary Earth does not lies within 50m from the Rivers, Streams, Canals etc., and so does not come under any notified/declared protected zones.

Hence the proposal was placed for appraisal in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. The project proponent presented along with the details requested in the 252<sup>nd</sup> meeting of SEAC held on 10.03.2022.

Based on the presentation and document furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of Environmental Clearance for an production quantity of 864 cu.m of Brick Earth by maintaining the an ultimate depth of 1 m 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 competent authority, from time to time, subject to a maximum of thirty

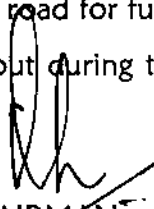
  
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years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022. .


2. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation 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 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.
6. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only.
7. 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.
8. 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

  
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operation at regular intervals and submit the consolidated report to TNPCB once in six months.

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 PP shall carryout the plantation as committed within one year after commencement of operation.
12. 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.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with 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
14. **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.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.

  
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16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m 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.
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. 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.
19. 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.
20. 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.
21. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamil Nadu 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.
22. 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.

  
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23. 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.
24. 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.
25. 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.
26. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road if applicable, about the project as per Appendix –II of these minutes.
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. 0.35 lakhs and the amount shall be spent for the committed activities for Government Higher Secondary School, Sethupakkam and nearby villages before obtaining CTO from TNPCB.

**Agenda No: 297-4**

**(File No: 8391/2021)**

**Proposed Rough Stone & Gravel quarry lease area over an extent of 3.12.0 Ha at S.F.Nos. 343/A2, 343/A3, 343/A4, 343/A5, 343/B1, 343/B2, 343/B3 & 344/1 (P) of Pavithram Village, Pugalur Taluk, Karur District, Tamil Nadu by Tvl. Balaa Blue Metal- For Environmental Clearance. (SIA/TN/MIN/200096/2021, dated: 25.02.2021).**

The proposal was earlier placed in 228<sup>th</sup> meeting of SEAC held on 24.08.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

  
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The other salient features of the project are as follows:

Details of the proposal		
1.	Name of the Owner/Firm	Tvl.Balaa Blue Metal Pavithram Village Pugalur Taluk Karur District-639002
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	343/A2, 343/A3, 343/A4, 343/A5, 343/B1, 343/B2, 343/B3 & 344/1(P)
4.	Village in which situated	Pavithram
5.	Taluk in which situated	Pugalur
6.	District in which situated	Karur
7.	Extent of quarry (in ha.)	3.12.0Ha
8.	Period of quarrying proposed	5 years
9.	Type of mining	Opencast Mechanized mining
10.	Production (Quantity in m <sup>3</sup> )	As per mining plan lease period is 5 years & mining plan is for the period of 5 years. The production for the five years states that the total quantity of recoverable as 386330 cu.m of Rough Stone & 14280 cu.m of Gravel. The Annual peak production 82090 cu.m of Rough Stone (1 <sup>st</sup> year) & 7000 cu.m of Gravel (1 <sup>st</sup> year) and the ultimate depth of mining is 42m.
11.	Depth of quarrying	42m (2m Gravel + 40m Rough Stone)
12.	Latitude & Longitude of all corners of the quarry site	10°58'24.86"N to 10°58'32.24"N 77°58'55.77"E to 77°59'02.63"E
13.	Top Sheet No.	58-F/13
14.	Man Power requirement	42 Nos.
15.	Precise area Deputy Director, Department of G&M with date	Na.Ka.En.441/kanimam dated:20.10.2020
16.	Mining Plan approved by Deputy Director, Department of G&M Mines with date	Rc.No. 441/mines/2020, dated:15.02.2021
17.	Deputy Director, Department of G&M	Rc.No. 441/mines/2020, dated:15.02.2021

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	Mines with date 500m cluster letter	
18.	Water requirement: 3. Drinking & Domestic Purpose 4. Dust suppression 5. Green Belt (in KLD)	4.0 KLD 1.0 KLD 2.0 KLD 1.0 KLD
19.	Power requirement a. Domestic Purpose b. Industrial Purpose	3,11,444 Liters of HSD for the entire period of life
20.	Depth of water table	63m in rainy seasons and 68m in summer seasons
21.	Project Cost	Rs. 63,66,000
22.	EMP cost	Rs. 3,80,000
23.	CER cost (2.0%)	Rs. 5,00,000
24.	VAO certificate regarding habitation within 300m radius	Letter Dated:17.02.2021

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided the project proponent shall leave the entire space which is used for cart track. The project proponent shall revise the mine plan as well as to rework the quantity of minerals to be mined out and the revised mining plan may get approved from competent authorities and submitted to SEAC.

In view of this, the proposal was again placed in 297<sup>th</sup> SEAC meeting held on 21.07.2022. The project proponent furnished the revised details as follows:

Description	As per Mining plan	As per Revised Mining plan
Total Mineable Quantity	3,86,330m <sup>3</sup> of Rough stone & 14,280m <sup>3</sup> of Gravel	3,77,720m <sup>3</sup> of Rough stone & 13,974m <sup>3</sup> of Gravel
Proposed production for 5 years	3,86,330m <sup>3</sup> of Rough stone & 14,280m <sup>3</sup> of Gravel	3,77,720m <sup>3</sup> of Rough stone & 13,974m <sup>3</sup> of Gravel
Area under quarrying	2.68.5	2.67.5 Ha
Depth	42m bgl	42m bgl

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Based on the presentation and details furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance (as per the revised mining plan), subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The Project proponent shall furnish slope stability action plan to the concerned AD (Mines) 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, before obtaining CTO from TNPCB.
4. 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, 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.
5. Since the structures are noticed in the range of 400 to 500 m on the western side of the proposed quarry site, the PP shall carry out the controlled blasting using jack hammer drilled holes (32-34 mm dia & 1.5 m length) and NONEL shock tube


  
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- initiation system with muffling techniques to ensure the environmentally acceptable blasting operation. The PP shall also ensure that the controlled blasting operation shall be carried in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the structures located at a distance of 400 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. Further, the PP shall obtain prior permission to carry out aforesaid controlled blasting operation from the Director of Mines Safety (DMS), Chennai Region before obtaining the CTO.
6. 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 mechanized sweeping, 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.
  7. 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.
  8. 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 safe & responsible closure 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.
  9. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP furnished.
  10. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the following activities before obtaining CTO from TNPCB.

Goyt. School, Pavithram

  
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- |   |
|---|
| <ol style="list-style-type: none"><li>1. Plantation and improvising school ground.</li><li>2. Construction of toilet.</li><li>3. Providing Environmental related books to the school library.</li></ol> |
|---|

**Agenda No: 297 -05**

**(File No: 8433/2021)**

**Proposed Rough Stone quarry lease area over an extent of 1.50.0 Ha at S.F.Nos. 41/1 Part(South) of Kadaneri Village, Peraiyur Taluk, Madurai District, Tamil Nadu by Thiru-C.Maharajan-For Environmental Clearance. (SIA/TN/MIN/202582/2021, dated: 09.03.2021).**

The proposal was placed for appraisal in this 297<sup>th</sup> meeting of SEAC held on 21.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru-C.Maharajan, has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.50.0Ha, S.F.Nos. 41/1 Part (South) of Kadaneri Village, Peraiyur Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 106327 cu.m of Rough Stone and the ultimate depth of mining is 58m.

During the meeting SEAC noted that neither proponent nor EIA coordinator were present, hence SEAC decided to defer the proposal. Further, the PP shall furnish explanation in writing for not attending the meeting.

**Agenda No: 297-06**

**(File No: 8467/2021)**

**Proposed Rough Stone quarry lease area over an extent of 1.17.4Ha at S.F.Nos.399(Part) of Kalappanahalli Village, Karimangalam Taluk, Dharmapuri District Tamil Nadu by Thiru-A.Sasimohan - For Environmental Clearance. (SIA/TN/MIN/189903/2020, dated: 25.12.2020).**

The proposal was placed for appraisal in this 297<sup>th</sup> meeting of SEAC held on 21.07.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

  
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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.

The Salient features of the project

Details of the proposal		
1.	Name of the Owner/Firm	: Thiru.A.Sasimohan S/o.K.P.Anbalagan No.1/136-A, Kerekodahalli Village& Post Karimangalam Taluk Dharmapuri-635111
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone
3.	S.F No. Of the quarry site with area break-up	: 399 (Part)
4.	Village in which situated	: Kalappanahalli
5.	Taluk in which situated	: Karimangalam
6.	District in which situated	: Dharmapuri
7.	Extent of quarry (in ha.)	: 1.17.4 Ha
8.	Period of quarrying proposed	: 5 years
9.	Type of mining	: Opencast semi Mechanized mining
10.	Production (Quantity in m <sup>3</sup> )	: The production for the five years states that the total quantity of recoverable as 146340 cu.m of Rough Stone. The Peak annual production 32565cu.m of Rough Stone (1 <sup>st</sup> year) and the ultimate depth of mining is 25m
11.	Depth of quarrying	: 25m (15m Above ground level + 10m Below ground level)
12.	Latitude & Longitude of all corners of the quarry site	: 12°14'56.75"N to 12°15'01.29"N 78°10'29.06"E to 78°10'34.03"E
13.	Top Sheet No.	: 57-L/4
14.	Man Power requirement	: 15 Nos.
15.	Precise area District Collector with date	: Na.Ka.No. 13/2021(Kanimam), Dated: 02.02.2021

  
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16.	Mining Plan approved by Assistant Director, Department of G&M Mines with date	:	Roc.No. 13/2021 (Mines), Dated: 05.02.2021
17.	Assistant Director (i/c) , Department of G&M Mines with date 500m cluster letter	:	Roc.No. 13/2021 (Mines), Dated: 05.02.2021
18.	Water requirement: 6. Drinking & Domestic Purpose 7. Dust suppression 8. Green Belt (in KLD)	:	3.15 KLD 0.65 KLD 1.0 KLD 1.5KLD
19.	Power requirement c. Domestic Purpose d. Industrial Purpose	:	1,17,072 Liters of HSD for the entire period of life
20.	Depth of water table	:	60m in summer & 65m in rainy
21.	EMP cost	:	Capital cost : Rs. 6,15,000 Recurring cost : Rs. 4,57,000
22.	CER cost	:	Rs. 5,00,000
23.	Total Project Cost (Excluding EMP)	:	Rs. 83,50,000
24.	VAO certificate regarding habitation within 300m radius	:	Letter Dated:19.02.2021

Earlier, this proposal was placed in 262<sup>nd</sup> meeting of SEAC held on 08.04.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent.

1. The proposed site is hillock with its own eco-system; hence the detailed study report on flora & fauna shall be furnished.
2. Implications on ecology based on this mining activity.

On the receipt of the reply furnished by the PP, this proposal was again placed in 297<sup>th</sup> SEAC meeting held on 21.07.2022. The PP made a presentation along with above said details. Based on the presentation made by the proponent, SEAC decided to recommend **grant of Environmental Clearance for the production 146340 cu.m of Rough Stone** and the ultimate depth of mining is 25m as per the mining plan, subject to the standard conditions & normal conditions as annexed in this minutes in Annexure – I, 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

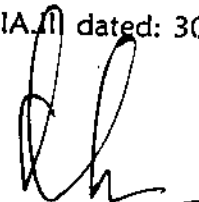
  
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- renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
  3. The Project proponent shall ensure that only controlled blasting operation involving NONEL shock tube initiation system and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
  4. The Project proponent 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 0.450 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.
  5. 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 mechanized sweeping, 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.
  6. 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.
  7. 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 safe & responsible closure 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.
  8. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.11 dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

  
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9. As accepted by the Project proponent the CER cost is Rs. 2 lakhs and the amount shall be spent for the committed activities in Vivekananda Govt Aided School, Ambal as committed, before obtaining CTO from TNPCB.

**Agenda No: 297-07**

**(File No:8504/2021)**

**Proposed Rough stone & Gravel quarry over an extent of 1.43.0 Ha located at S.F.No. 107/1, 108/2, 111/1A, 111/1B, 111/2,&112/1, Maganyam Village, Sriperumbudur Taluk Kancheepuram District by Thiru.M.Muthaiya for Environmental Clearance SIA/TN/MIN/203375/2021 dated: 01.04.2021**

The proposal was placed in 249<sup>th</sup> SEAC meeting held on 25.02.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

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

Details of the proposal		
1.	Name of the Owner/Firm	Thiru.M.Muthaiya
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough stone & Gravel
3.	S.F No. Of the quarry site with area break-up	107/1, 108/2, 111/1A, 111/1B, 111/2,&112/1
4.	Village in which situated	Maganyam
5.	Taluk in which situated	Sriperumbudur
6.	District in which situated	Kancheepuram
7.	Extent of quarry (in ha.)	1.43.0 Ha (patta land)
8.	Period of quarrying proposed	10 years
9.	Type of mining	Opencast semi Mechanized mining
10.	Production (Quantity in m <sup>3</sup> )	As per mining plan, the total quantity of

  
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		recoverable should not exceed 1,26,745 m <sup>3</sup> rough stone and 18,104 m <sup>3</sup> gravel with a ultimate depth of mining is 32 m.
11.	Depth of quarrying	32 m (2m Gravel + 30 m Rough stone) below ground level.
12.	Latitude & Longitude of all corners of the quarry site	11°55'20.97" to 11°55'25.82"N 77°59'49.24"E to 77°59'54.13"E
13.	Top Sheet No.	57P/13
14.	Man Power requirement	20 Nos.
15.	Precise area District Collector with date	Roc. No. 97/Q3/2020, Dated 19.01.2021
16.	Mining Plan approved by Assistant Director, Department of G&M Mines with date	Roc. No. 93/Q3/2020 dated 29.01.2021
17.	Assistant Director (i/c) , Department of G&M Mines with date 500m cluster letter	Rc. No. 93/Q3/2020 dated 29.01.2021
18.	Water requirement: 1. Drinking & Domestic Purpose 2. Dust suppression 3. Green Belt (in KLD)	5 KLD 0.5 KLD & 1.0 KLD 1.5 KLD 2.0 KLD
19.	Power requirement a. Domestic Purpose b. Industrial Purpose	There is no LT line or HT electric line found nearby the site.
20.	Depth of water table	50m bgl

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21.	EMP cost	Rs 3.3 Lakhs
22.	CER cost	Rs. 5,00,000
23.	Total Project Cost (Excluding EMP)	Rs. 21.0 lakhs
24.	VAO certificate regarding habitation within 300m radius	Letter Dated:18.10.2020

Based on the presentation made by the proponent and the documents furnished, SEAC noted that Maganyam Reserve Forest is located at a distance of 1.10 km, hence Committee instructed the proponent to get ground truth letter from DFO/ Revenue Department with respect to exact distance between Maganyam Reserve Forest and least boundary of quarry site.

The project proponent had submitted the details vide letter dated 17.05.2022, wherein it is stated that the proposed quarry site boundary is 1022m away from the Maganyam Reserve Forest boundary.

Now the proposal was placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. The PP has made a presentation along with details sought by SEAC. The PP has furnished the letter of confirmation obtained from the AD (Mines) indicating whether any illegal mining has been carried out in the past, at the proposed quarry site. Based on the presentation and documents furnished by the project proponent SEAC recommended to **grant of Environmental Clearance for the production as per the mining plan**, subject to the standard conditions & normal conditions as annexed in this minute in Annexure – I, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.

  
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3. Since structure are present at 300 m on the south-western side of the proposed quarry site, the PP shall carry out the controlled blasting using jack hammer drilled holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation. The PP shall also ensure that the controlled blasting operation shall be carried in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. Further, the PP shall obtain prior permission to carry out aforesaid controlled blasting operation from the Director of Mines Safety (DMS), Chennai Region before obtaining the CTO.
4. As committed by the project proponent, it shall be ensured that the line drilling is carried out continually on the south-western part of the boundary of the quarry lease to provide necessary splitting/air gap from the host rock mass to reduce the transmission of the shock waves by which the vibration to the nearby structures is considerably reduced or eliminated.
5. After the commencement of quarrying operation, the PP shall carry out the scientific studies on controlled blasting at the end of every year to assess the reduction of blast-induced ground/air vibrations and fly rock as the structures are located at a distance of 300 m, 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.
6. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 30 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
7. 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 mechanized sweeping, 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.

8. 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.
9. 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 safe & responsible closure 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.
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 EMP furnished.
11. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

**Agenda No: 297-08**

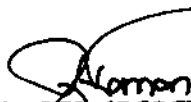
**(File No: 8543/2022)**

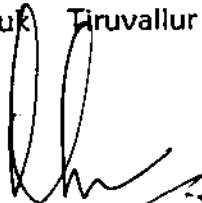
**Proposed Brick Earth quarry lease over an extent of 0.81.20 Ha at S.F.No.36/1A2 of Vembedu Village, Uthukkottai Taluk Tiruvallur District, Tamil Nadu by Thiru. G.Venkatesan - For Environmental Clearance. (SIA/TN/MIN/ 210242/2021 dated 29.04.2021)**

The proposal was earlier placed for appraisal in the 252<sup>nd</sup> meeting of SEAC held on 10.03.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru. G. Venkatesan has applied for Environmental Clearance for the proposed Brick Earth quarry lease over an extent of 0.81.20 Ha at S.F.No.36/1A2 of Vembedu Village, Uthukkottai Taluk Tiruvallur District, Tamil Nadu.

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

The Committee directed the proponent to submit the following additional details for further processing of the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W'P'(MD) Nos.20903 of 2016.23452,24495, 17370 and 18035 of 2019 dated 12.02'2021.
2. The proponent should produce 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 does not come under any notified/declared protected zones in terms of the said Judgment.

On receipt of the additional particulars from the Proponent, the proposal has again been placed for appraisal in this 297<sup>th</sup> meeting of SEAC held on 21.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

*" ... No quarrying or mining or crushing activities shall be carried out within one kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests".*

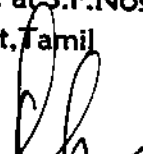
The Committee noted that the **Vembedu** Reserve Forest is located at a distance of 900m from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal.**

**Agenda No: 297-09**

**(File No: 8565/2021)**

**Proposed Rough Stone quarry lease area over an extent of 2.00.0Ha at S.F.Nos.7/1 (Part) of Veppalampatti Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu by**

  
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**Thiru.P.Govindasamy - For Environmental Clearance.(SIA/TN/MIN/214724/2021, dated: 11.06.2021).**


The proposal was placed for appraisal in this 297<sup>th</sup> meeting of SEAC held on 21.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.P.Govindasamy, has applied for Environmental Clearance for the proposed Rough Stone quarry lease area over an extent of 2.00.0Ha at S.F.Nos.7/1 (Part) of Veppalampatti Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of recoverable as 180858cu.m of Rough Stone and the ultimate depth of mining is 35m below ground level.
4. Earlier, this proposal was placed in 231<sup>st</sup> meeting of SEAC held on 03.09.2021. Based on the presentation and documents furnished by the project proponent, SEAC that earlier EC obtained by the proponent is valid till November 2021. Hence SEAC decided the project proponent shall submit clarification letter from AD, mines on last quarry operated date.

On the receipt of the reply furnished by the PP, this proposal was again placed in 297<sup>th</sup> SEAC meeting held on 21.07.2022. The PP made a presentation along with above said details. Based on the presentation made by the proponent, SEAC decided to call for the following details from the PP.

1. The PP shall furnish DFO letter stating that the proximity distance of Onnakarai RF, other Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.

  
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Agenda No: 297-10

(File No: 8619/2021)

Proposed Black Granite quarry lease area over an extent of 1.52.0 Ha at S.F.No.383/1(P) Bit-3 Polayamballi Village , Harur Taluk , Dharmapuri, Tamil Nadu by M/S.PVI Trading Corporation - For Environmental Clearance. (SIA/TN/MIN/217551/2021 Dt.30.6.2021)

The proposal was placed for appraisal in this 263<sup>rd</sup> meeting of SEAC held on 9.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The 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	M/s. PVI Trading Corporation, No.62A, 1 <sup>st</sup> Pulikuthi street, Cugai, Salem District.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Black Granite quarry
3.	S.F No. of the quarry site with area break-up	S. F. Nos. 383/1(P) BIT-3
4.	Village in which situated	Polayamballi
5.	Taluk in which situated	Harur
6.	District in which situated	Dharmapuri
7.	Extent of Quarry (in ha.)	1.52.0Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	As per the mining plan, the lease period is for 20 years. The production for 5 years not to exceed 22000m <sup>3</sup> of ROM & production of Black granite 1540m <sup>3</sup> . The Annual peak production as per mining plan is 7500m <sup>3</sup> of ROM (5 <sup>th</sup> year) & production of Black granite 525m <sup>3</sup>

  
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		(5 <sup>th</sup> year) with proposed depth of 20m AGL.
11.	Latitude & Longitude of all corners of the quarry site	13°14'0.15"N to 13°14'2.25"N 80°3'53.49"E to 80°3'56.09"E
12.	Topo sheet No.	66 - C/04
13.	Man power requirement per day:	05 Employees
14.	Precise Area Communication approved by the District Collector Karur District with date	Rc.No. 166/2020/kanimam2, Dated: 14.09.2020
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No. 166/2020/G&M-2, Dated: 03.11.2020
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. 166/2020/G&M-2, Dated: 03.11.2020
17.	Water requirement: 5. Drinking & domestic purposed (in KLD) 6. Dust Suppression & Green Belt (in KLD)	2.27KLD  0.06KLD & Utilized Water 0.21KLD 2.0 KLD
18.	Power requirement: e. Domestic purpose f. Machinery works	TNEB 117488 Liters of HSD
19.	Depth of Mining	20m AGL
20.	Depth of Water table	65m in summer & 60m in Rainy season
21.	Whether any habitation within 300m distance	No
22.	Project cost (including EMP cost)	184.45 Lakhs
23.	EMP cost	26.32 Lakhs
24.	CER cost	7.0 lakhs
25.	VAO letter dated	17.06.2021

Based on the presentation and document furnished by the project proponent, SEAC the SEAC deferred the proposal and directed the project proponent shall furnish a letter from DFO stating that the details of Nearest RF & its distance located with respect to the

  
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project site.

Now the project proponent has furnished the copy of the DFO letter dated 13.05.2022, wherein it is stated that the proposed quarry site is located at an aerial distance of 1.358km from the Keragondahalli Reserve Forest.

Hence the proposal was placed for appraisal in this 297<sup>th</sup> meeting of SEAC held on 21.07.2022. Based on the presentation and the Approved Mining Plan furnished by the project proponent, SEAC had observed the following:

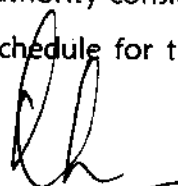
1. In the Geological Section IV-A, it is evident that there is an elevated portion in the western side and low-lying area is in the eastern side.
2. It appears that the geological reserves are ascertained only in the low-lying area (i.e., section A-B & C-D) and the highly elevated zone in the western side has not been considered for computing the geological reserves.
3. Based on the geological plan & sections, the year-wise development plan (Plate V-A) has been prepared considering the same de-facts. Besides, the **granite waste dump has been proposed on the mineralised zone on the eastern side of the area which is in contradiction of the Granite Conservation & Development Rules (GCDR), 1999 & Mineral Conservation and Development Rules (MCDR), 2017.**

*Rule 14 (4) of Mineral Conservation and Development Rules, 2017 states that the ground selected for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals shall be proved for absence or presence of underlying mineral deposits before it is brought into use for dumping.*

4. Further, it has been described that the Black Granite dyke is aligned from NW-SE. It is also inferred that the rich Black Granite deposits are positioned on the western end of the lease applied area which has not been computed either in the geological reserves / mineable reserves (or) year-wise development plans.

Therefore, the NABET Coordinator shall examine the Mining Plan precisely and if required, the Plan shall be modified accordingly, after incorporating the corrections as per GCDR,1999, resubmit the Mining Plan approved by the competent authority considering the entire geological, mineable reserves and the proposed production schedule for the first 5-year plan period.

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

**Agenda No: 297-11**

**(File No: 8651/2021)**

**Proposed Red Earth and Pebbles quarry lease over an extent of 2.20.5Ha in S.F.No. 6/1 (P) at Mathiyanur Village, Ulundurpet Taluk, Kallakurichi District, Tamil Nadu by Thiru.R.Arun-For Terms of Reference. (SIA/TN/MIN/64477/2021/dated 06.07.2021)**

The proposal was placed in 261<sup>st</sup> SEAC Meeting held on 07.04.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

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

  
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- those quarries. In the event of High Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.*
- vi. *Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*
- vii. *The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*
- viii. *Whenever, SEIAA clearance is required, it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.*

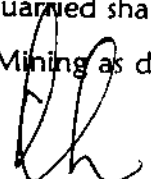
Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

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

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

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.

  
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2. The proponent should produce 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 does not come under any notified/declared protected zones in terms of the above Judgment.

The project proponent had submitted the details to SEIAA vide letter dated 30.05.2022.

Now the proposal was placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. The PP has made the representation along with details sought by SEAC.

During the presentation the PP stated that he intended to withdraw his present application, since the application comes under B2 category. Therefore SEAC decided to remit the proposal back to SEIAA.

**Agenda No: 297-12**  
**(File No: 8656/2021)**

**Proposed Rough Stone quarry lease over an extent of 4.50.0ha in S.F. No. 168(Part-1) at VadaAalapirandhan Village, Cheyyar Taluk, Tiruvannamalai District Tamil Nadu by Thiru.N.Venkatesh - For Terms of Reference. SIA/TN/MIN/62718/2021/dated 17.04.2021)**

The proposal was placed in 297<sup>th</sup> SEAC meeting held on 21.07.2022. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

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

1. The Project Proponent, Thiru.N.Venkatesh has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 4.50.0ha in S.F. No. 168(Part-1) at Vada Aalapirandhan Village, Cheyyar Taluk, Tiruvannamalai 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.
3. The Production for the five years states that total quantity should not exceed of rough stone 19,19,520m<sup>3</sup> for ultimate depth of mining is 60m (40m above ground level + 20m below ground level).

  
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4. Earlier the proposal was placed in 237<sup>th</sup> SEAC meeting held on 08/10/2021. Neither the project proponent nor the consultant had attended the meeting. Hence the SEAC had not taken up the project for appraisal.

Again the proposal was placed in 297<sup>th</sup> SEAC meeting held on 21.07.2022. During the meeting SEAC noted that neither PP nor EIA coordinator was present and hence SEAC decided to defer the proposal. Further, the PP shall furnish explanation in writing for not attending the meeting.

**Agenda No: 297-13.**

**(File No: 8660/2022)**

**Proposed Black Granite (Dolerite) Quarry over an extent of 1.24.5 Hectare at S.F.No: 283/1B, 284/3, 284/6A & 277/4B of Adhikarapatty Village, Pappireddipatty Taluk, Dharmapuri District, Tamil Nadu by M/s. Sunshine Enterprises Pvt Limited - For Environmental Clearance.(SIA/TN/MIN/218411/2021 dated 21.07.2021)**

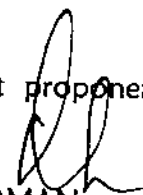
The proposal was placed for appraisal in 242<sup>nd</sup> meeting of SEAC held on 03.02.2022. The details of the project furnished by the proponent are given in the website (Parivesh.nic.in)

The SEAC noted the following:

1. The Project Proponent of M/s. Sunshine Enterprises Pvt Limited has applied for Environmental Clearance Proposal for quarrying of Black Granite Quarry over an Extent of 1.24.5Ha at S.F.No: 283/1B, 284/3, 284/6A & 277/4B Adhikarapatty Village, Pappireddipatty Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is for 20 years. The production for 5 years (as per approved review of 2<sup>nd</sup> scheme mining 2019-20 to 2023-24) not to exceed –ROM – 34,310m<sup>3</sup> (Recoverable Black granite @10% = 3431 m<sup>3</sup> & Granite Rejects@ 90% = 30879 m<sup>3</sup>). The annual peak production as per scheme is 8300 m<sup>3</sup> of ROM which includes the recoverable Black Granite of 830 m<sup>3</sup> with proposed depth of 30m(BGL).

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

  
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decided to obtain the following details,


1. Since one house is located at a distance of 15m, the Project Proponent shall obtain Certificate from Director of Mines Safety.
2. The project proponent shall submit certified compliance report for the EC obtained earlier.

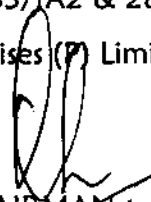
Also the SEAC decided to make an on- site - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. On receipt of the aforesaid details and Inspection report, SEAC would further deliberate on this project and decide the further course of action.

The Sub-Committee of SEAC visited the project site on 20.03.2022 (Sunday) to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site. The Sub-Committee's inspection report was placed in this 259<sup>th</sup> meeting of SEAC held on 31.03.2022 and the observations of the Sub-committee are as follows,

**Observations Made by the Sub-Committee:**

1. The proposed Black Granite Quarry at Lease area over an Extent of 1.24.5 Ha at S.F. Nos. 283/1B, 284/3, 284/6A & 277/4B is situated at Adhikarapatty Village, Pappireddipatty Taluk, Dharmapuri District, Tamil Nadu.
2. The existing depth of quarry is ranging from 6 m to 30 m (western part) and the ultimate depth of the proposed quarry is fixed as 30 m as per the approved mining plan.
3. The benching is not completely done in the existing quarry as per the conditions specified in the approved mining plan.
4. The fencing which may completely restrict the entry of public to the mines is not provided to the existing quarry.
5. A Granite processing factory is located in 'non-functioning' condition at a distance of 30m in the east side of the existing quarry, in the Survey No.283/1A2 & 289/2 for an extent of 4.30 acres, which actually belongs to Sunshine Enterprises (P) Limited.

  
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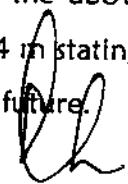
  
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6. The earlier observation of the SEAC that there is a house located at a distance of 15 m northeast direction is an Old Shed but it is completely demolished now.
7. The Periyandal Temple is situated in SF. No. 277/3 on west side of lease applied area, at a distance of 24 m from the boundary of the mine.
8. The rainwater is completely filled in the existing quarry pit and it is being pumped out to feed the plantations and agricultural purposes in the adjoining agricultural lands.
9. The mine is surrounded by well-maintained green belt and mostly covered by coconut plantations and neem trees.
10. Agricultural field exists near this mine which shows groundwater in this region not affected due to mining activity.

**Recommendations by sub-committee:**

1. As per the 230th meeting of SEAC instructions, the Executive Engineer of PWD had issued NOC to the proposed mines which mainly states that water from Noyyal River situated in the south-western and any other water bodies should not be used for quarrying purpose.
2. The Subcommittee has asked the proponent to submit the following documents to consider grant of Environmental Clearance for the aforesaid quarry:
  - a. A letter from the Village Administrative Officer that there is no public entry (or) pathway for public usage exists in the leasehold area of the quarry and within quarry site to satisfy the provisions of the Rule 36 (1) & (1-A) of the Tamil Nadu Minor Mineral Concession Rules, 1959.
  - b. The documental evidence to provide the ownership rights belongs to M/s. Sunshine Enterprises Private Limited and current status of the aforesaid Granite processing factory located a distance of 30 m in the east side of the existing quarry, in the Survey No.283/1A2 & 289/2 as it belongs to Sunshine Enterprises (P) Limited to satisfy the provisions of the Rule 36 (1-A) (a) of the Tamil Nadu Minor Mineral Concession Rules, 1959.
  - c. A letter of consent from the person(s) who are managing the above mentioned Temple located on west side of the quarry at a distance of 24 m stating that there is no objection for carrying out the quarrying operations in the future.

  
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3. Further, the SEAC sub-committee has asked to comply the following conditions before the commencement of the quarrying operations if the Environmental Clearance is obtained from the competent authority.
- The Fencing shall be installed around the boundary of the existing quarry, as per rule 36(4) of Tamil Nadu Minor Mineral Concession Rules, 1959.
  - The mine water shall be completely drained out in the western side of the existing quarry (towards the temple) before the commencement of backfilling operations.
  - The backfilling shall be done with a dimension of 30m (L) x 30.2 (W) x 21.89 m (D) in the western side of the existing quarry (near the temple direction) using the waste material available within the mine lease area to cover a length of 30 m from the boundary stretching towards eastern side of the existing quarry for bringing the land into the existing original and surrounding ground level condition to maintain 50 m distance horizontally from the outer toe of the above Temple building, as per rule 36(1) of Tamil Nadu Minor Mineral Concession Rules, 1959.
  - The backfilling operation shall be carried out in accordance with 'Code of Practice for Prevention of Injuries to Persons Engaged in Tipping on Stockpiles and Dumping of Overburden in Above Ground Mines' as recommended in the 7th Conference on Safety in Mines and given in DGMS Technical Circular No. 1 of 1989 under the supervision of statutory competent persons.
4. The SEAC sub-committee has recommended adopting only the non-explosive techniques such as Diamond-Saw cutting while carrying out the granite quarrying operations in the existing pit and no blasting operations shall be carried out.
5. The proposed mine is well covered by green belt and it needs to be maintained continually while carrying out the quarrying operations.

Hence, the Sub Committee opined that the proposal for the grant of Environmental Clearance for the Black Granite Quarry over an Extent of 1.24.5 Ha at S.F. Nos. 283/1B, 284/3, 284/6A & 277/4B, situated at Adhikarapatty Village, Pappireddipatty Taluk, Dharmapuri District, Tamil Nadu may be considered subject to submission of (i) a letter from the Village Administrative Officer stating that there is no public entry (or) pathway for public usage exists in the leasehold area of the quarry favoring the commencement of quarrying

  
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operations; (ii) a documental evidence to provide the ownership rights belongs to M/s. Sunshine Enterprises Private Limited and current status about the aforesaid Granite processing factory located a distance of 30 m in the east side of the existing quarry; (iii) a letter of consent from the person(s) who are managing the above mentioned Temple located on west side of the quarry. Besides, the Sub-committee also recommended that the PP may be instructed to send the 'Notice of Opening' to the Director of Mines Safety, Chennai Region, Chennai-34 about the commencement of quarrying operations before executing the CTO.


Based on the Inspection report and documents furnished by the project proponent, SEAC decided that the project proponent shall furnish the following details on the points raised by the sub-committee during site inspection,

1. A letter from the Village Administrative Officer stating that there is no public entry (or) pathway for public usage in the leasehold area and any quarrying operations will not infringe any subsisting easements rights of public.
2. A documentary evidence to prove the ownership rights of M/s. Sunshine Enterprises Private Limited to the leased area and current status about the granite processing factory located a distance of 30 m on the east side of the existing quarry.
3. A letter of consent from the community/person(s) who are managing the above mentioned temple located on west side of the quarry, stating that they have no objection to the quarry operations shall be submitted to the SEIAA/SEAC.

The project proponent has furnished reply vide Lr. dt: 10.06.2022. The proposal was placed for appraisal in 297<sup>th</sup> meeting of SEAC held on 21.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to call for following additional particulars

- i) Copy of approved environmental policy of the M/s. Sunshine Enterprises Pvt Limited.
- ii) Revised EMP details & its cost for the period of project life.
- iii) Details of mortgage of the granite processing factory and the land with the Bank & NOC from bank regarding said mortgage, apart from providing the details of ownership on the land and the granite processing factory.

  
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Agenda No:297 - 14.

(File No: 8749/2021)

Proposed construction of hospital buildings for the establishment of Government Hospital at S.F.Nos.97/3 & 96/1, Orathur Village, Nagapattinam Taluk, Nagapattinam District, Tamil Nadu by M/s. Government Medical College and Hospital - For Environmental clearance. (SIA/TN/MIS/223893/2021, dated: 11.08.2021)

The proposal was placed for appraisal in 238<sup>th</sup> meeting of SEAC held on 13.10.2021. The project proponent gave a detailed presentation. 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, M/s.Government Medical College and Hospital, has applied for Environmental Clearance for the proposed construction of hospital buildings for the establishment of Government Hospital at S.F.Nos.97/3&96/1, Orathur Village, Nagapattinam Taluk, Nagapattinam District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made and the documents furnished by the project proponent, SEAC after detailed deliberations directed the proponent to furnish the following additional details,

- 1.The project proponent shall furnish the permission obtained from concerned authority (TWAD, Nagapattinam) for the source of supply of fresh water for the proposed project.
2. The project proponent shall furnish revised water balance considering attenders for proposed In -patients/ Nos. of beds.
3. The project proponent shall furnish village map of the proposed project site.
4. The project proponent shall furnish revised green belt plan excluding OSR area.
5. The project proponent shall furnish noise mitigation measures including adequate green belt/ barrier to prevent outside noise due to surrounding/background activity & movement of vehicles (local traffic) adhering to the noise level standards for hospitals/silent zone prescribed by CPCB .
6. Photographs of Bio-medical waste management if existing within the proposed

  
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- project premises and storage area earmarked for bio-medical wastes.
7. The project proponent shall furnish revised adequate rain water harvesting recharging structures.
  8. The storm water management plan may be revised considering the probable maximum rainfall.
  9. The project proponent shall revise CER in regard sanitation, solar power, smart class facilities, environmental awareness program to nearby schools, etc.

The project proponent had submitted the details to SEIAA vide letter dated 16.05.2022.

Now the proposal was placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. The PP has made the representation along with details sought by SEAC. The PP was absent and the EIA co-ordinator requested the committee to defer the proposal and the committee agreed for the same.

**Agenda No:297-15**

**(File No: 8804/2021)**

**Proposed Red Soil quarry lease over an extent of 2.02.5 Ha at S.F. No. 69 (Part) of Vaali Nokam Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. A.Parthimarkalignan- For Environmental Clearance.**

**(SIA/TN/MIN/ 228473/2021 Dt. 14.09.2021)**

The proposal was placed in 297<sup>th</sup> SEAC meeting held on 21.07.2022. The project proponent has given a detailed presentation.


Based on the presentation and documents submitted by the proponent, SEAC decided to obtain the following additional details from the proponent for further processing the proposal.

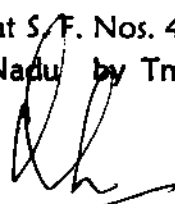
1. The PP shall produce documentary evidence to prove that the proposed site falls outside CRZ.
2. The PP shall produce copy of registration of leased land.

**Agenda No: 297-16**

**(File No: 8826/2021)**

**Proposed rough stone quarry lease area over an extent of 1.21.5 Ha at S.F. Nos. 450/3 (P), Periyamanjuveli Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tmt.M.Devi**

  
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**Renuka-For Environmental Clearance amendment (SIA /TN /MIN /232401 /2021 Dt: 02.10.2021)**

The proposal was placed in 271<sup>st</sup> SEAC Meeting held on 12.5.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

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	Tmt.M.Devi Renuka D/o.Muthaiah Door No.3/111B, Sembaraipatti Periyamanjuvali Village, Aravakurichi Taluk Karur District-639207
2.	Type of quarrying (Rough stone / Sand / Granite)	Rough stone quarry
3.	S.F No. of the quarry site with area break-up	S. F. No. 450/3 (P)
4.	Village in which situated	Periyamanjuveli Village
5.	Taluk in which situated	Aravakurichi Taluk
6.	District in which situated	Karur District
7.	Extent of Quarry (in ha.)	1.21.5 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast,semi Mechanized Mining
10.	Production (Quantity in m <sup>3</sup> )	As per the mining plan, the lease period is for 10 years. The production for 5 years not to exceed – <b>62280 m<sup>3</sup> of Rough stone</b> . The Annual peak production as per mining plan is 17700m <sup>3</sup> of Rough stone (4 <sup>th</sup> & 5 <sup>th</sup> year)
11.	Latitude &Longitude of all corners of the quarry site	10°39'12.54"N to 10°39'15.57"N 77°57'54.13"E to 77°57'59.10"E
12.	Topo sheet No.	58 F/14
13.	Man power requirement per day:	27 Nos

  
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14.	Precise Area Communication approved by the Deputy Director Karur District with date	Roc.No. 532/Mines/2020, Dated: 08.06.2021
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Roc.No. 532/Mines/2020, Dated: 01.09.2021
16.	500mts letter approved by the Deputy Director of Geology and Mining with date	Rc.No. 336/Mines/2019, Dated: 09.09.2020
17.	Water requirement: 1. Drinking water 2. Utilized water (in KLD) 3. Dust Suppression 4. Green Belt (in KLD)	5.0KLD 0.250KLD 1.0 KLD 2.0 KLD 1.75 KLD
18.	Power requirement: a. For rough stone b. For Topsoil	Diesel 1,03,904 Litres of HSD 1983 Liters of HSD
19.	Depth of Mining	10m BGL
20.	Depth of Water table	55m in summer & 50m in Rainy season
21.	Whether any habitation within 300m distance	No
22.	Project cost (excluding EMP cost)	RS.21,85,500
23.	EMP cost	RS.3,20,000
24.	CER cost	5.50 lakhs
25.	VAO letter dated	28.09.2021

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

1. The project proponent shall furnish the registered lease document from all the owners, since it is joint property.

The project proponent had submitted the details to SEIAA vide letter dated 16.05.2022.


Now the proposal was placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. The PP has made the representation along with details sought by SEAC. The PP has furnished registered lease document. Based on the presentation and documents furnished by the project proponent, SEAC decided to **recommend the proposal for the grant of**

  
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**Environmental Clearance for an production quantity of 62280 m<sup>3</sup> of Rough stone by maintaining the an ultimate depth of 10 m below ground level, subject to the standard conditions as per the Annexure-I of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:**

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
3. The Project proponent shall ensure that only controlled blasting operation involving NONEL shock tube initiation system and muffle blasting is carried out in the quarry such that no fly rock travel beyond 20 m from the blast site.
4. The Project proponent 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 0.450 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.
5. 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 mechanized sweeping, 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.
6. 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.

  
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7. 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 safe & responsible closure 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.
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. 5.5 lakhs and the amount shall be spent to the committed activities for Government Higher Secondary School, Andipattikottai (Alamarathupatti Panchayat) Village before obtaining CTO from TNPCB.

**Agenda No:297-17**

**(File No: 8853/2021)**

**Proposed Earth quarry lease over an extent of 1.16.50 Ha at S.F.Nos. 112/9, 112/11 and 112/12 of Villiyanallur Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by Thiru. R.Mohan- For Environmental Clearance.**

The proposal was placed in 297<sup>th</sup> SEAC meeting held on 21.07.2022. The project proponent has given 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.

1. The PP shall furnish a letter from DFO on the proximity details of nearest RF with respect to the proposed project site.

**Agenda No: 297-18**

**(File No: 8862/2021)**

**Proposed Red Soil quarry lease over an extent of 1.44.5 Ha at S.F.No: 24/3A of Kudhakkottai Group Village, Keelakarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru. B.Manikandan - For Environmental Clearance. (SIA/TN/MIN/ 229030/2021 Dt. 27.09.2021)**

The proposal was placed in 252<sup>nd</sup> SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

  
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The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions. Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:


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

Therefore the Committee therefore directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce 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 does not come under any notified/declared protected zones in terms of the above Judgment.

The project proponent had submitted the details through E- mail to SEIAA on 09.05.2022 and also submitted in PARIVESH portal.

  
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The proposal was placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the PP.

1. The project proponent shall furnish registered lease document for the proposal.
2. The project proponent shall revise the EMP as per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020.

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

**Agenda No: 297-19**

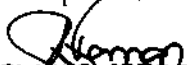
**(File No: 8974/ 2022)**

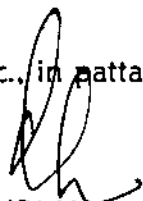
**Proposed Red Soil quarry lease over an extent of 2.49.5 Ha at S.F.NO. 271/1 of Ervadi Village, Kilakkarai Taluk, Ramanathapuram District, Tamil Nadu by Thiru. P.T.Raja - For Environmental Clearance. (SIA/TN/MIN/ 253759/2022 Dt. 28.01.2022)**

The proposal was placed in 252<sup>nd</sup> SEAC meeting held on 10.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued certain directions. Acting on the above Judgment, the Director of Geology and mining, Govt of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.

  
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- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

Therefore the Committee therefore directed the proponent to submit the following additional details for further processing the proposal.

1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining as directed in the above Judgment.
2. The proponent should produce 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 does not come under any notified/declared protected zones in terms of the above Judgment.

The project proponent had submitted the details to SEIAA on 13.05.2022 and also submitted in PARIVESH portal. The proposal was placed in this 297<sup>th</sup> SEAC meeting held on 21.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details.

1. The mining plan and mining lease is proposed for a period of 11 months. Hence the Committee felt that mining lease and plan shall be revised for a period of 1 year based on prevailing rules.
2. During presentation the patta copy not relevant to the aforesaid mining lease is enclosed. The project proponent shall furnish the relevant ownership and patta copy pertaining to the said lease.
3. A letter from DFO shall be obtained and furnished for the location of the Wild life Sanctuary/ National park/ Reserve forest/ESAs surrounding the project site upto 25 km radius from the mine lease area.
4. The project proponent shall revise the EMP as per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020.

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


  
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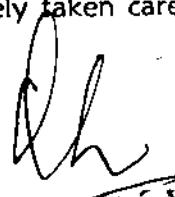
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## ANNEXURE - I

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

  
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7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Project proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamil Nadu .
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 espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
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


  
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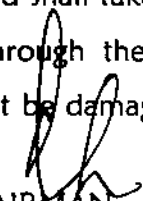
  
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other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented 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

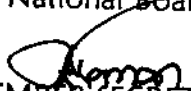
shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site 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 50m 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

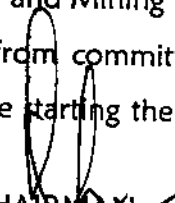
  
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- transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
18. To ensure safety measures along the boundary of the quarry site, security 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 Tamil Nadu 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


  
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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 Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road if applicable, about the project as per Appendix -II of these minutes.

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


No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சள, ஆனைக்குன்றிமணி
3	<i>Albizia lebeck</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	காட்டுமர
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>	Purnai	புனை
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>Creteoa adansonii</i>	Mavalangum	மாவிவங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உவா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பூங்க
25	<i>Haradwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயில்
27	<i>Lanea coromandelica</i>	Odham	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பின்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Minusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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

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

-----கரங்கம்

கரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான கற்றுத்தழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு, கற்றுத்தழல் அனுமதி ----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகமை பகுதி வளர்ச்சி	சுவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்.
மேம்பாட்டுக்கான கரங்கத் திட்டம்	கரங்கப்பாதுவின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
	காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக
பராமரிக்கப்பட வேண்டிய மரங்கள்	தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
எண்ணிக்கை:	இரைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக சுவாரியின் எல்லையை
	சுற்றி அடர்த்தியான பகமை பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது	நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு
நடவடிக்கைகளை உன்னியாக செயல்படுத்தப்பட வேண்டும்.	
கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு	தகுந்த கட்டுப்பாடுகளை
மேற் கொள்ள வேண்டும்.	
கரங்க சட்ட விதிகள் 1955ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு	தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு
ககதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைவைய தொடர்ந்து நன்கு	பராமரிக்க வேண்டும்.
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை	தொடர்ந்து கண்காணிக்க வேண்டும்.
கரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத்	சிமத்தினையும் ஏற்படுத்தாதவாறு
பாதுகாப்போடும் மற்றும் கற்றுத்தழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டவுடன் கரங்க மூடல் திட்டத்தில் உள்ளவாறு	கரங்கத்தினை மூட வேண்டும்.
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடைபுழு	ஏற்படக்கூடிய
வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தரவழங்க விலங்குகள் ஆகியவற்றின்	வளர்ச்சிக்கு ஏற்ற வகையில்
பகமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாதிவேஷ ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித	
கற்றுத்தழல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள கற்றுத்தழல் மற்றும் வன அமைச்சகத்தின்	ஒருங்கிணைந்த வட்டார
அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட	கற்றுத்தழல் பொறியாளரை அணுகவும்.

  
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