

STATE EXPERT APPRAISAL COMMITTEE - TAMIL NADU

Minutes of 354th meeting of the State Expert Appraisal Committee (SEAC) held on 10.02.2023 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No. 354 - 01

(File No: 9318/2022)

Proposed Gravel quarry lease over an extent of 1.85.5Ha at S.F.No.35/3A, 35/3B, 35/4 and 35/5 of Melachokkanathapuram Village, Bodinayakanur Taluk, Theni District, Tamil Nadu by Thiru.S.Radhakrishnan - For Environmental Clearance. (SIA/TN/MIN/276461/2022, dt: 04.06.2022)

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

The SEAC noted the following:

1. The project proponent, Thiru.S.Radhakrishnan has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 1.85.5Ha at S.F.No.35/3A, 35/3B, 35/4 and 35/5 of Melachokkanathapuram Village, Bodinayakanur Taluk, Theni District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 3 years. The mining plan is for the period of 10 years & the production should not exceed 5336m³/Year (16008 m³) of Gravel. The annual peak production shall not exceed 5336m³ of Gravel. The ultimate depth - 2m BGL.

Sl. No	Details of the Project	Project Name
1	Name of the Owner/Firm	Thiru.S.Radhakrishnan S/o.Sundarraj College Road Vadaveranaickenpatti Annanchi (Post) Theni -625531


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2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Gravel
3	S.F No. Of the quarry site with area break-up	:	35/3A, 35/3B, 35/4 and 35/5
4	Village in which situated	:	Melachokkanathapuram
5	Taluk in which situated	:	Bodinayakanur
6	District in which situated	:	Theni
7	Extent of quarry (in ha.)	:	1.85.5Ha
8	Latitude & Longitude of all corners of the quarry site	:	09°59'36.41"N to 09°59'40.55"N 77°19'09.32"E to 77°19'15.55"E
9	Topo Sheet No.	:	58 - G/05
10	Type of mining	:	Opencast Shallow of Mining
11	Period of quarrying proposed	:	3 years
12	Production (Quantity in m³)	:	16008 m³ (annual peak production of 5336m³/Year) of Gravel
13	Depth of quarrying	:	2m
14	Depth of water table	:	33m BGL
15	Man Power requirement per day:	:	7 Nos.
16	Source of Water Requirement	:	water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	1.5 KLD 0.5 KLD 0.5 KLD 0.5 KLD
18	Power requirement	:	TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector. with date	:	Rc.No.174/Kanimam/2019, dt:24.02.2022
21	Mining Plan approved by Assistant Director,	:	Rc.No.174/Mines/2019, dt:03.03.2022

	Department of Geology and Mining with date		
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.174/Mines/2019, dt:10.03.2022
23	VAO certificate regarding 300m radius cluster		Letter dt: 03.03.2022
24	Project Cost (excluding EMP cost)	:	Rs.10.48 Lakh
25	EMP cost	:	EMP Cost – Rs. 11.49 Lakhs/3Years including capital & recurring cost with 5% inflation cost anticipated every year.
26	CER cost		Rs.1.50Lakhs

The proposal was placed for appraisal in this 314th Meeting of SEAC held on 23.09.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the Project Proponent.

- i) Letter from DFO, Theni District in regard to shortest distance of the proposed quarrying area from Bodi West Hills Reserve Forest.
- ii) The proponent should produce a letter from the concerned Asst Director (Geology & Mines) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals and also does not come under any notified/declared protected zones in terms of the recent Judgment of Hon'ble Madras High Court.

The proposal was placed in the 560th Authority meeting held on 17.10.2022. The authority after detailed discussion decided to call for the following additional particulars from the project proponent as follows

- i. Details of type of vegetations including no. of trees & shrubs within the proposed mining area. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall be mentioned in EMP.
- ii. Impact on surrounding agricultural fields around the proposed mining Area.
- iii. Erosion control measures.
- iv. Impact on soil flora & vegetation around the project site.


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Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

In view of the above, the proposal was again placed in the 354th SEAC meeting Dt: 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the period of 3 Years and the ultimate depth of mining upto 2m and the production of 16008 m³ (5336m³/Year) of Gravel. The annual peak production shall not exceed 5336m³ Cu.m of Gravel subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall maintain proper benching & sloping for the gravel formation separately with adequate width of not less than 2 m during the quarrying operations.
3. The PP shall ensure that all the protective measures spelt out in the EIA report are implemented for the odal existing adjacent to the proposed quarry.
4. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be

- diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
5. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
 6. 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.
 7. As accepted by the Project proponent the CER cost is Rs. 1.5 lakhs and the amount shall be spent for the Panchayat Union Middle School, Karattupatti Village as committed, before obtaining CTO from TNPCB.

Agenda No: 354 - 02

(File No: 9671/2023)

proposed Rough stone quarry lease area over an extent of 1.00.0Ha at S.F. No:83 (Part-9) (Govt. land), Kondayampatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru.R.Vijaykumar- For Environmental Clearance.(SIA/TN/MIN/411768/2022 dt 22.12.2022).

The proposal was placed for appraisal in this 354thSEAC meeting held on 10.02.2023. 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 I(a) "Mining of Minerals Project" of the Schedule to the EIA Notification,2006.
2. Earlier appl No SIA/TN/MIN/206511/2020 dt: 27.03.2021 (File No. 8498/2020) was appraised vide 263rdmeeting of SEAC held on 09.04.2022. 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


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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 Vaguttumalai Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal and same was accepted in 508th meeting of SEIAA held on 19.05.2022.

3. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

4. Consequently, the proponent has re-presented/reaplied the proposal to reconsider the earlier decision based on the above G.O.
5. Now, the Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/411768/2023 dt: 22.12.2022 (File No. 9671/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

File No	8498	9671
Online Proposal No for EC	SIA/TN/MIN/206511/2020, Dated: 27.03.2021	SIA/TN/MIN/411768/2023 Dated: 22.12.2022.

6. The salient features of the proposed project as follows

S. No	
1	Name of the Owner/Firm : Thiru. R.Vijaykumar, S/o. Ramakrishnan, 13, 2nd Cross Street, Sunrise Avenue, Neelankarai, Thiruvannamiyur, Chennai District - 600 041.

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2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough stone quarry	
3	S.F No. Of the quarry site with area break-up	:	83 (Part-9) (Govt. land)	
4	Village in which situated	:	Kondayampatti Village	
5	Taluk in which situated	:	Vadipatti Taluk	
6	District in which situated	:	Madurai District	
7	Extent of quarry (in ha.)	:	1.00.0Ha	
7	Lease period	:	5 years	
8	Period of quarrying proposed	:	5 years	
9	Type of mining	:	Opencast, Semi-Mechanized mining	
11	Production (Quantity in m³)		As per Approved Mine Plan	Revised Quantity and depth
			1,32,264 m³ of Rough stone and 4800 m³ of Topsoil.	1,14,095 m³ of Rough stone and 4800 m³ of Topsoil.
12	Height of the Bench		7m	5m
13	Annual peak Production (Quantity in m³)		27,369 m³ of Rough stone (5 th year) and 4800 m³ of Topsoil.	29,870 m³ of Rough stone (4 th year) and 4800 m³ of Topsoil.
12	Ultimate pit depth	:	50m (40m AGL + 10m BGL). Existing pit- 15m	45m (40m AGL + 5m BGL). Existing pit- 15m
13	Depth of water table	:	75mBGL in Summer Season - 70m BGL in Rainy Season	
14	Latitude & Longitude of all corners of the quarry site	:	10°3'27.71"N to 10°3'32.12"N 78°0'54.81"E to 78°0'58.81"E	
15	Top Sheet No.	:	58- J/04	
16	Man Power requirement per day:	:	27 Nos	
17	Precise area communication issued by the Assistant Director, Department of Geology & Mining with date	:	Rc.No.67/2021/Mines. Dated: 05.02.2021	
18	Mining Plan approved by Department of Geology and mining with date	:	Rc.No.67/2021/Mines, Dated: 08.03.2021	


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19	500m cluster letter issued by Department of Geology & Mining,	Roc.No.67/2021 (Mines) Dated: 17.03.2021
20	VAO certificate regarding 300m radius cluster	Letter Date: 02.03.2021
21	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Utilized Water (in KLD) 3. Dust suppression(in KLD) 4. Greenbelt (in KLD)	5.0 KLD 0.250 KLD 1.0KLD 2.0 KLD 1.75KLD
22	Power requirement a. Domestic Purpose	TNEB 105811.21 ltrs of HSD for entire life of mine
	Location of R.F	200 m
23	Project Cost	Rs.1,32,75,000/-
24	EMP cost	Capital Cost : Rs. 2318357/- Recurring Cost/annum : Rs.2939696/-
25	CER cost	Rs.5 Lakhs as accepted by the PP

Hence, the proposal was placed in the 354th Meeting of SEAC held on 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC considering the safety aspects decided to recommend the proposal for the grant of Environmental Clearance for restricted quantity of 1,14,095 m³ of Rough stone and 4800 m³ of Topsoil not exceeding the annual peak production of 29870 m³ of Rough stone (4th year) and 4800 m³ of Topsoil after leaving the Bth bench in XY-AB section, for an ultimate pit depth of 45m (40m AGL + 5m BGL), subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF & CC. In addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MOEF&CC Notification S.O. 1807(E) dated 12.04.2022.


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2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 200 m:
 - i. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - ii. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
 - iii. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.


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- iv. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
- v. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- vi. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- vii. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- viii. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- ix. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
- x. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
- xi. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
- xii. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the

quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.

- xiii. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
 - xiv. The PP shall not use plastic carry bags within the quarry area.
 - xv. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - xvi. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
9. Since few habitations are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by


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adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
13. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
14. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.

15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
17. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
18. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
19. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Panchayat Union Primary School, Kondayampatti Village as committed, before obtaining CTO from TNPCB.

Agenda No: 354-03

(File No: 9672/2022)

Proposed Rough stone quarry lease area over an extent of 1.00.0Ha at SF. No:83 (Part-8), Kondayampatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru G. Valliappan- For Environmental Clearance. (SIA/TN/MIN/411763/2022 dated 22/12/2022)

The proposal was placed in this 354th meeting of SEAC held on 10.02.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru G Valliappan has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 1.00.0Ha at S. F.No:83 (PART-8), Kondayampatti Village, Vadipatti 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, as


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amended.

S. No.		
1.	Name of the Owner / Firm	Thiru. G.Valliappan S/o. Thiru. Ganesan, No.1068/19, Nagammal Street, KR Nagar, Korattur, Chennai, Pin code:600080
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone
3.	S.F No. of the quarry site	83 (Part-8)- Government land
4.	Village	Kondayampatti
5.	Taluk	Vadipatti
6.	District	Madurai
7.	Extent of Quarry (in ha.)	1.00.0 Hect (Govt Land)
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast semi mechanized mining method
10.	Production (Quantity in m ³)	As per the approved mining plan, Geological reserves: 3,48,889m ³ of Rough stone to the ultimate depth of 50 m. 5-year Production: 1,14,095m ³ of Rough stone (Revised quantity considering 5m bench) The annual peak production as per mining plan is 28,125m ³ of Rough stone (4 th year)
11.	Proposed Depth of Mining	50m (35m AGL + 15m BGL)
12.	Latitude & Longitude of all corners of the quarry site	10°3'26.79"N to 10°3'31.12"N 78°0'52.01"E to 78°0'56.00"E
13.	Topo sheet No.	58- J/04
14.	Man power requirement	27 Nos
15.	Precise Area Communication	Rc.No.66/2021/Mines. Dated: 04.02.2021
16.	Mining plan approval letter	Rc.No.66/2021/Mines, Dated: 18.03.2021
17.	500m letter	Roc.No.66/2021/Mines Dated: 09.04.2021
18.	Water requirement:	5.0kLD

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	1. Drinking & domestic purposed (in KLD) 2. Dust Suppression (in KLD) & Green Belt (in KLD)	1.25 kLD 3.75 kLD
19.	Power requirement: a. Domestic purpose b. Industrial Purpose	TNEB -
20.	Depth of Water table	50m-55m
21.	Whether any habitation within 300m distance	No
22.	Project cost	Rs.1,20,95,000/-
23.	EMP cost	Rs. 1,95,08,213/-
24.	CER cost	Rs. 5,00,000/-
25.	VAO letter dated	Letter dated: 19.03.2021

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 the production quantity of 1,14,095m³m³ of Rough Stone to a depth of 50m in 5 years and the annual peak production shall not exceed 28,125m³ of Rough stone as per the approved 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 PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.



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3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular. 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 200 m:
 - i. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - ii. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
 - iii. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
 - iv. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.

- v. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- vi. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- vii. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- viii. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- ix. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals. Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
- x. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
- xi. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even Indulge in constructing the haul roads in these areas.
- xii. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.


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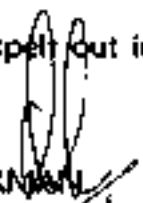

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- xiii. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
 - xiv. The PP shall not use plastic carry bags within the quarry area.
 - xv. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - xvi. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
9. Since few habitations are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel

Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
13. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
14. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
15. The PP shall meticulously carry out the mitigation measures as spell out in the revised EMP.


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16. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
17. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
18. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished..
19. As accepted by the Project proponent the CER cost is Rs. 5.0 lakh and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCB.

Agenda No: 354 - 04

(File No: 9678/2023)

Proposed Rough stone and Gravel quarry lease area over an extent of 0.75.50 Ha at S.F.Nos. 302/4 (Patta land) of Palamathi Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru. E. Eampoopathy - For Environmental Clearance. (SIA/TN/MIN/412102/2022 dt: 26.12.2022)

The proposal was placed for appraisal in this 354th SEAC meeting held on 10.02.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
2. Earlier appl No. SIA/TN/MIN/248084/2020 dt: 04.01.2022 (File No. 8929/2020) was appraised vide 278th Meeting of SEAC held on 27.05.2022. 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.


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"... 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 Palamathi RF is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal and same was accepted in 524th meeting of SEIAA held on 22.06.2022.

3. As per the G.O. (Ms.) No. 243 industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022, Amendment to the Tamil Nadu Minor Mineral Concession Rules, 1959 as follows,

"...In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted..."

4. Now, the Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/412102/2023 dt: 26.12.2022 (File No. 9678/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

Description	Old File	New File
File No	8929	9678
Online Proposal No for EC	SIA/TN/MIN/248084/2020, Dated: 04.01.2022	SIA/TN/MIN/412102/2023 Dated: 26.12.2022.

5. The salient features of the proposed project as follows

Sl. No	Details of the proposal	Data furnished
1	Name of the Owner/Firm	Thiru. E. Elamboopathy, S/o. Elumalai.

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		No.1/125, Melpattu street, Karigiri Village, Kalpadi Taluk, Vellore District - 632 106.
2	Type of quarrying : (Savudu/Rough Stone/Sand/Granite)	Rough stone & Gravel
3	S.F No. Of the quarry site with area break-up	302/4
4	Village in which situated	: Palamathi Village
5	Taluk in which situated	: Vellore Taluk
6	District in which situated	: Vellore District
7	Extent of quarry (in ha.)	: 0.75.50Ha (Patta land)
8	Period of quarrying proposed	: 5 years
9	Type of mining	Opencast, Semi-Mechanized mining
10	Production (Quantity in m ³)	: As per the mining plan, the lease period is for 5 years and the mining plan is for 5 years the total quantity of recoverable should not exceed 1.13.229 m ³ of Rough stone, 7616 m ³ of Gravel.
11	Annual peak Production (Quantity in m ³)	25060 m ³ of Rough stone (5 th year) & 7616 m ³ of Gravel (1 st year)
11	Existing Pit	3m
12	Ultimate Depth of quarrying	: 40m (15m AGL + 25m BGL) (2m Gravel + 38 m Rough Stone)
13	Depth of water table	: 70m in Summer Season 65m in Rainy Season
14	Latitude & Longitude of all corners of the quarry site	: 12°52'49.20"N to 12°52'52.70"N 79°10'4.39"E to 79°10'8.56"E
15	Top sheet No.	: 57- P/01

16	Man Power requirement per day:	24 Nos
17	Precise area communication issued by the Department of Geology & Mining with date	Rc.No.375/2019(Mines), Dated: 02.03.2020
18	Mining Plan approved by Assistant Director , Department of Geology and mining with date	Rc.No.375/2019(Mines), Dated: 09.06.2020
19	500m cluster letter issued by Assistant Director , Department of Geology & Mining,	Rc.No.375/2019(Mines), Dated: 09.06.2020
20	VAO certificate regarding 300m radius cluster	Letter Date: 08.11.2021
21	Water requirement: 5. Drinking & domestic purposes (in KLD) 6. Dust suppression(in KLD) 7. Greenbelt (in KLD)	4.74 KLD 1.24 KLD 1.5 KLD 2.0 KLD
22	Power requirement b. Domestic Purpose	TNEB 91853 ltrs of HSD for entire life of mine
23	Project Cost	: Rs.1,75,46,100/-
24	EMP cost	: Capital Cost : 21,14,183/- Recurring Cost/annum : Rs.26,55,706/-
25	CER cost	: Rs.5 Lakhs as accepted by the PP

Hence, the proposal was placed in the 354th Meeting of SEAC held on 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for quantity


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of 1,13,229 m³ of Rough stone, 7616 m³ of Gravel not exceeding the annual peak production of 25060 m³ of Rough stone (5th year) & 7616 m³ of Gravel (1st year) with maintaining an ultimate pit depth of 40m (15m AGL + 25m BGL) (2m Gravel + 38 m Rough Stone), 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 PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the benches & haul road are properly designed and formed in accordance with the provisions of MMR 1991.

7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry without a prior permission obtained from the Director of Mines Safety, Chennai Region.
9. Since few habitations are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University - CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The Project Proponent (PP) shall submit a 'Slope stability action plan' incorporating the haul road ramp keeping the existing benches properly aligned for the proposed


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quarry lease after it is duly vetted by the concerned AD (Mines) before obtaining CTO from TNPCB.

13. 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 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
14. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
15. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA/III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

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

Agenda No: 354-05

(File No:9679/2022)

Proposed Rough Stone quarry lease over an extent of 1.62.0Ha at S.F.No. 770/1&770/2 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru.G.Murugesan- For Environmental Clearance. (SIA/TN/MIN/412053/2022 dated 26/12/2022)

The proposal was placed in 354th meeting of SEAC held on 10.02.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.G.Murugesan has applied seeking Environmental Clearance for the existing Rough stone quarry lease over an extent of 1.62.0Ha at S.F.No. 770/1&770/2 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.

Based on the presentation made by the proponent and the documents furnished, the SEAC noted the following:

1. Previous EC was issued vide Lr. No.SEIAA-TN/F.No.5344/1(a)/ EC.No: 3452/2016 dated:29.07.2016 to Thiru.G.Murugesan for Rough stone quarry lease over an extent of 1.62.0Ha at S.F.No. 770/1&770/2 of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu for the production of 63,707 cu.m Rough stone to a depth of 26m.
2. MoEF&CC Notification S.O. 221(E), Dt:18.01.2021.
3. MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.
4. MoEF&CC O.M. F.No. 1A3-22/28/2022-1a.111 [E 181584], Dt: 13.12.2022.
5. Mining Plan approval: Roc.No.146/2014(Mines) dated 24.05.2016
6. Scheme of Mining approval: Roc.No.146/2014(Mines) dated 19.08.2021


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7. As per the mining plan, total production for the first 5 years not to exceed Rough stone – 1,09,360 m³ to the proposed depth of 15m BGL. The annual peak production shall not exceed 23,540 m³(4thyear).

During the meeting, the proponent stated that he had requested for automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.

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

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

Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF & CC subject to the following commitment made by the PP,

- As accepted by the Project Proponent the CER cost is Rs. 5 Lakh and the amount shall be spent for the committed activities before obtaining CTO from TNPCB.

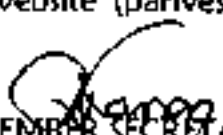
Agenda No: 354 - 06

Old File No: 8476/2021

New File: 9680/2022

Proposed Rough stone quarry lease area over an extent of 1.56.0Ha at SF. No. 15/1 (part-7) Elumichanahalli Village, Karimnagalam Taluk, Dharmapuri District Tamil Nadu by Thiru P.R. Pandurangan- For Environmental Clearance.(SIA/TN/MIN/412050/2022, Dated: 26.12.2022)

The proposal was placed for appraisal in this 354th meeting of SEAC held on 10.02.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


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The SEAC noted the following:


1. The project proponent, Thiru P.R Pandurangan has applied for Environmental Clearance for the proposed rough stone quarry lease area over an extent of 1.56.0Ha at SF. No. 15/1 (part-7) Elumichanahalli Village, Karimanagalam Taluk, Dharmapuri District Tamilnadu. It is a Govt. Promboke land.
2. The project/activity is covered under Category "B2" of Item I (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not to exceed 117315 m³ of rough stone with proposed depth – 35m BGL.
4. Earlier the proposal was placed in 262nd SEAC meeting held on 08.04.2022. 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 Chokkampatti Reserve Forest-2 is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal.**

5. Subsequently, the proposal was placed in 507th SEIAA meeting held on 12.05.2022. In view of the above, the authority decided to request the Member



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Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 08.04.2022.

Sl. No.		
1	Name of the Owner/Firm	: Thiru. P. R. Pandurangan, S/o. Ramakrishnan, No.4/262, Main Road, Periyanahalli Village, Karamangalam Taluk, Dharmapuri District - 635205.
2	Type of quarrying	: Rough stone
3	S.F No. Of the quarry site with area break-up	: 15/1 (part 7)
4	Village in which situated	: Elumichenahalli
5	Taluk in which situated	: Karamangalam
6	District in which situated	: Dharmapuri
7	Extent of quarry (in ha.)	: 1.56.0 ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast Semi-Mechanized Mining
10	Production (Quantity in m ³)	: 1.17.315 m ³ of Rough stone
11	Latitude & Longitude of all corners of the quarry site	: 12°21'47.13"N to 12°21'52.75"N 78°8'32.15"E to 78°8'36.41"E
12	Topo Sheet No.	: 57 L/03
13	Man Power requirement per day:	: 20 Nos
14	Precise area communication approved by the District Collector with date	: Na.Ka.No.12/2021 (Kanimam), Dated: 02.02.2021


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15	Mining Plan approved by the Deputy Director, of Geology and Mining with date	: Roc. No. 12/2021(Mines), dated: 05.02.2021
16	Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt	: 2.9 KLD 0.9 KLD 1.0 KLD 1.0 KLD
17	Power requirement: a. Domestic Purpose b. Industrial purpose	: TNEB 93,954 Litres of HSD for the entire period of life
18	Depth of quarrying	: 35m bgl
19	Depth of water table	: 45m in rainy & 50m in summer seasons
20	Project Cost (excluding EMP cost)	: Rs. 72,70,000
21	EMP cost	: Capital Cost - Rs. 24,38,358 Recurring Cost - Rs. 27,57,610
22	CER cost	: Rs. 5,00,000
23	AD mines 500m cluster letter approved by Deputy Director, with date	: Roc. No. 12/2021 (Mines), dated: 05.02.2021
24	VAO certificate regarding 300m radius cluster	: Letter dated: 19.02.2021

Now, the proposal was again placed in the 354th SEAC meeting held on 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the ultimate depth of mining up to 35m BGL and the production of 1,17,315 m³ of rough stone. The annual peak production shall not exceed 25,040 m³ of rough stone subject to


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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 Competent authority shall verify and ensure the existence of minimum distance 60 m and above from the boundary of the quarry to the R.F. boundary at the time of lease execution.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
4. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
5. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
6. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
7. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 60 m:


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- i. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
- ii. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
- iii. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
- iv. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
- v. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- vi. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- vii. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- viii. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- ix. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-

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conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals. Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.

- x. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
 - xi. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
 - xii. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco-sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
 - xiii. The PP shall not use plastic carry bags within the quarry area.
 - xiv. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - xv. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
8. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting

operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. The PP shall carry out hydrogeological studies within one year from the commencement of the mining operations. the PP shall carry out the Hydrogeological studies of the area for devising the Water Management Plan, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, University of Madras-Dept of Geology and Anna University – Dept of Geology, CEG Campus. 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.
11. Since few habitations are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the Impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
12. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
13. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.


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14. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
15. Since there are two sheds are located within 300 m, the PP shall furnish an affidavit stating a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation which includes ensuring no person stays within the radial distance of 500 m at the time of blasting, to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
16. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
17. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
18. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
19. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

20. As accepted by the Project proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent for the Periyampatti, Government Boys Higher Secondary School as committed, before obtaining CTO from TNPCB.

Agenda No: 354-07

(9681/2023)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.21.5 Ha at S.F. Nos.766/4 of Nathathahalli village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Mr.M.Sakthi - For Environmental Clearance. (SIA/TN/MIN/412051/2022 dated 26.12.2022)

The proposal was placed for appraisal in this 354th meeting of SEAC held on 10.02.2023. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Mr.M.Sakthi has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.21.5 Ha at S.F. Nos.766/4 of Nathathahalli village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) 'Mining of Minerals Project' of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:

S. No.	Salient Features	
1	Name of the Owner/Firm	Mr.M. Sakthi, S/o. Mr. Muthu, No.1/320, Pappampallam, Nathathahalli Post, Nallampalli Taluk, Dharmapuri District - 636 803.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone and Gravel Quarry


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3	S.F No. Of the quarry site with area break-up	766/4
4	Village in which situated	Nathathahalli
5	Taluk in which situated	Nallampalli
6	District in which situated	Dharmapuri
7	Extent of quarry (in ha.)	1.21.5 ha
8	Latitude & Longtude of all corners of the quarry site	12°6'22.38"N to 12°6'27.43"N 78°3'25.73"E to 78°3'30.12"E
9	Topo Sheet No.	57-L/04
10	Type of mining	Opencast Semi-Mechanized Mining
11	Period of quarrying proposed	5 years
12	Production (Quantity in m ³)	Rough Stone - 87425m ³ Gravel - 27360m ³
13	Depth of Quarry	21m (6m AGL + 15m BGL)
14	Depth of water table	60m - 55m BGL
15	Man Power requirement per day:	20 Nos.
16	Water requirement: 1. Drinking water 2. Utilized Water 3. Dust suppression 4. Green Belt	2.9 KLD 0.2 KLD 0.7 KLD 1.0 KLD 1.0 KLD
17	Power requirement	No details furnished
18	Precise area communication approved by the Deputy Director, Dept. of Geology & Mining with date	Rc.No.154/2021(Mines) Dated: 11.11.2021
19	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with date	Rc.No.154/2021(Mines) Dated: 12.11.2021

20	500m cluster letter issued by the Deputy Director, Dept. of Geology and Mining with date	Rc.No.154/2021(Mines) Dated: 12.11.2021
21	VAO certificate regarding habitations in 300m radius	Letter dated: 14.11.2021
22	Project Cost (excluding EMP)	Rs.21,70,000/-
23	EMP cost	Capital Cost: Rs.21,40,107/- Recurring Cost: Rs.23,66,250/-

4. Earlier, the proposal (File no. 8932/2022; SIA/TN/MIN/239352/2021) was placed in 278th meeting of SEAC held on 27.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the proposed site was hit by G.O(MS) No. 295 dated 03.11.2021. Hence, the SEAC decided not to recommend the proposal.
5. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

6. Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

This proposal has again been placed in this 354th meeting, the proponent gave re-presentation.

File No	8932	9681
Online Proposal No for EC	SIA/TN/MIN/239352/2021 dated 18.11.2021,	SIA/TN/MIN/412051/2022 Dt.08.2.2023

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Based on the presentation and documents furnished by the project proponent, after detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 87,425m³ of Rough Stone & 27,360m³ of Gravel with an ultimate depth of 21m (6m Above ground level + 15m Below ground level) with annual peak production of 18,920m³ of rough stone, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.


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6. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 150 m:
7. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
8. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
9. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
10. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
11. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
12. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
13. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
14. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
15. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as


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noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals. Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.

16. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
17. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
18. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.
19. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
20. The PP shall not use plastic carry bags within the quarry area.
21. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
22. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
23. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance

of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

24. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
25. Since few habitations are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal and Anna University - CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
26. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
27. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
28. 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 working touches 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.


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29. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
30. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
31. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
32. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
33. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
34. 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.
35. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Panchayat Union Middle School, Mallapuram village for the following activities as committed, before obtaining CTO from TNPCB.

Agenda No. 354-08

(File No. 9682/2022)

Proposed Rough Stone & Gravel quarry over an extent of 1.68.5 Ha in S.F.Nos. 193/2B & 197 of Nagarkoodal Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru G. Seenivasan for Environmental Clearance. (SIA/TN/MIN/412044/2022, dated 26.12.2022)


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Earlier, this proposal was placed in 282nd Meeting of SEAC held on 04.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent Thiru G. Seenivasan has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry over an extent of 1.68.5 Ha in S.F.Nos. 193/28 & 197 of Nagarkoodal Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 10 years. The mining plan for the period of five years & the production should not exceed 67,498m³ of Rough Stone & 66,792m³ of Gravel. The annual peak production 16082m³ of Rough Stone (5th year) & 25270m³ of Gravel (3rd year) within ultimate depth of mining 27m (15m AGL + 12m BGL).
4. The project doesn't involve any blasting activity only hand blasting method is followed.

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".


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The Committee noted that the Nagarkoodal RF is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

Now the proposal was placed in 354th Meeting of SEAC held on 10.02.2023. The salient features of the proposed project as follows.

File No	8250	9682
Online Proposal No for EC	SIA/TN/MIN/259973/2022. Dated 04.06.2022	SIA/TN/MIN/412044/2022 Dated 08.02.2023

Sl. No	Details of	
1.	Name of the Owner / Firm	Thiru. G. Seenivasan, S/o. Govindachettiyar, D.No.33/67, MariyammanKovil Street, Kumarasampettai, Dharmapuri - 636 701.
2.	Type of quarrying	Rough Stone Quarry
3.	S.F No. of the quarry site	193/2B & 197
4.	Village in which situated	Nallampalli
5.	Taluk in which situated	Nallampalli

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6.	District in which situated	Dharmapuri
7.	Extent of Quarry (in ha.)	1.68.5 ha
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	Opencast, Semi-Mechanized Method
10.	Production (Quantity in m ³)	As per mining plan, the lease period is 10 years. The mining plan for the period of five years & the production should not exceed 67,498m ³ of Rough Stone & 66,792m ³ of Gravel. The annual peak production 16082m ³ of Rough Stone (5 th year) & 25270m ³ of Gravel (3 rd year) with an ultimate depth of mining 27m (15m AGL+12m BGL).
11.	Latitude & Longitude of all corners of the quarry site	12°5'7.38"N to 12°5'13.37"N 78°2'37.24" E to 78°2'42.87"E
12.	Topo sheet No.	57 -L/04
13.	Man power requirement per day:	22 Employees
14.	Precise Area Communication approved by the District Collector	Rc.No.246/2021(kanimam). Dated 15.02.2022
15.	Mining plan approved by the Deputy Director of Geology and Mining with date	Rc.No.246/2021(Mines). Dated 21.02.2022
16.	AD mines 500m cluster letter by the Deputy Director of Geology and Mining with date	Rc.No.246/2021(Mines), Dated 02.03.2022
17.	Water requirement: 1. Drinking & domestic purposed 2. Dust Suppression 3. Green Belt	2.0 KLD 1.0 KLD 0.5 KLD 0.5 KLD


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18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB -
19.	Depth of Mining	50m below ground level
20.	Depth of Water table	65m in summer season - 60m in rainy season
21.	Whether any habitation within 300m distance	Nil
22.	Project cost	Rs. 37,50,000/-
23.	EMP cost	Rs.223.32 Lakhs
24.	CER cost	Rs. 5 Lakhs
25.	VAO letter dated	07.03.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 67,498m³ of Rough Stone and 66,792m³ of Gravel not exceeding the annual peak production of 16,082m³ of Rough Stone and 25,270m³ of gravel with maintaining an ultimate pit depth of 27m (15m AGL+12m BGL) subject to the standard conditions as per the Annexure 1 of this minutes & normal conditions stipulated by MOEF &CC. In addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.



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3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular. 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 700 m:
 - i. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - ii. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
 - iii. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
 - iv. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.

- v. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- vi. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- vii. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- viii. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- ix. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
- x. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
- xi. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
- xii. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.

- xlii. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
 - xiv. The PP shall not use plastic carry bags within the quarry area.
 - xv. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - xvi. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
 8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
 9. Since it is proposed to carry out the manual splitting of rock fragments, the PP shall install adequate rest shelter and toilets for the workmen as per the provisions of Mines Rules, 1955 before obtaining the CTO from the TNPCB.
 10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
 11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.


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12. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
13. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
14. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
15. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
16. As accepted by the Project proponent the CER cost is Rs. 5.0 lakhs and the amount shall be spent for the Government High School, Nagarkoodal Village as committed, before obtaining CTO from TNPCB.

Agenda No: 354-09

(File No: 9686/2022)

**Proposed Rough stone and gravel quarry lease area over an extent of 0.80.0Ha at S.F.No248/1A,Sempalli Village,Gudiyattam Taluk, Vellore District by Thiru.S.Dhanasekaran- For Environmental Clearance.
(SIA/TN/MIN/412402/2022 dated 28/12/2022)**

The proposal was placed in this 354th meeting of SEAC held on 10.02.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.S.Dhanasekaran has applied for Environmental Clearance for the Rough stone and gravel quarry lease area over an extent of 0.80.0Ha at S.F.No 248/1A, Sempalli Village, Gudiyattam Taluk, Vellore District, Tamil Nadu.


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


Based on the presentation and documents furnished by the Project Proponent, the SEAC decided to call for the following additional particulars:

1. The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – commercial/Industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures- whether it belongs to the PP (or) not, etc.
2. The Project Proponent shall include the letter received from DFO concerned stating the proximity details of Reserve Forests (Athimugam 1 RF & other RF), Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
3. The proponent shall submit the details regarding the poultry farm located near the mine lease area.
4. The PP shall provide the methodology of carrying out the quarrying operation in the proposed site that is near the Reserve Forest.

On receipt of the aforesaid details, the Committee will take up the subject for further deliberations.

Agenda No: 354-10
(File No.9688/2023)

Proposed rough stone quarry lease over an extent of 1.00.0 Ha in S.F.No 279 (Part-2) of Chennasandiram Village, Krishnagiri Taluk, Krishnagiri District, Tamilnadu by


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Thiru.N.Chakravarthy - For Environmental Clearance. (IA/TN/MIN/412306/2022 dated.28.12.2022)

The proposal was placed in this 354th Meeting of SEAC held on 10.02.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.N.Chakravarthy has applied for the Environmental Clearance for the Proposed rough stone quarry lease over an extent of 1.00.0 Ha in S.F.No 279 (Part-2) of Chennasandiram Village, Krishnagiri Taluk, Krishnagiri District, Tamilnadu.
2. The project/activity is covered under Category "B2" of item I(a) "Mining of Minerals Project" of the Schedule to the EIA Notification, 2006.
3. Environmental Clearance was issued to the proponent vide Lr.No. SEIAA-TN/F.No.5243/1(a)/EC.No.3223/2016 dated 06.07.2016 with a validity of 5 years.
4. Earlier, the proposal (File no. 8933/2022, IA/TN/MIN/242518/2021 dated.03.12.2021) was placed in 278th meeting of SEAC held on 27.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the proposed site was hit by G.O(MS) No. 295 dated 03.11.2021. Hence, the SEAC decided not to recommend the proposal.
5. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.
"In the said rules, in rule 36. In Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".
6. Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.
7. Now the proponent gave re-presentation in this 354th meeting for the following.

File No	8933/2022	9688/2023
Online Proposal No for EC	SIA/TN/MIN/242518/2021 dated.03.12.2021	SIA/TN/MIN/412306/2022 dated.28.12.2022

8. MoEF&CC Notification, S.O.1807(E) dated.12.04.2022 regarding extension of validity of Environmental Clearance.
9. MoEF&CC O.M dated 13.12.2022 regarding clarification on S.O.1807(E) dated 12.04.2022.
10. The quarry lease has been granted vide District Collector's Proceedings Rc.No.59/2016/Mines dated.18.09.2016 for a period of 10 years (valid upto 05.09.2026).
11. Mining Plan approved by Deputy Director. G&M vide Rc.No.59/2016/Mines dated 06.04.2016.
12. Scheme of Mining approved by Deputy Director vide Roc.No.1089/2021/Mines dated 07.10.2021.

During the meeting, the proponent claimed that he is entitled for an automatic extension as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022.

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

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

"(ii) The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification


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2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above."

Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF & CC subject to the following commitment made by the PP.

Agenda No: 354-11

(File No: 9689/2022)

Proposed Rough Stone and Gravel Quarry lease over an extent of 3.35.5 Ha at S.F.No. 275/1B, 275/2A, 238/1A, 238/1B, 238/1C & 238/1D of Siruthamur Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu by Thiru.S.Rajendiran For Terms of Reference. (SIA/TN/MIN/412400/2022, Dt. 28.12.2022)

Earlier, this proposal was placed in 250th SEAC meeting held on 03.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.S.Rajendiran has applied for Terms for Reference for the proposed Rough stone and Gravel quarry lease over an extent of 3.35Ha at S.F.No.275/1B, 275/2A, 238/1A, 238/1B, 238/1C & 238/1D of Siruthamur Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan for the period of five years & the production should not exceed 63,8665m³ of Rough Stone & 55,070 m³ of Gravel. The annual peak production 134159 m³ of Rough Stone (1st year) & 24,336 m³ of Gravel (1st year) with an ultimate depth of mining 50m BGL (2m Gravel +48m Rough Stone).

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


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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 Kavanippakkam Reserve Forest is located at a distance of 0.88km East from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal for EC.

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

"In the said rules, In rule 36, In Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O. Now the proposal was placed in 354th Meeting of SEAC held on 10.02.2023.

The proposal is 0.86km from Kavanippakkam Reserve Forest and based on the above said G.O, the Proponent has resubmitted the same proposal with all necessary supporting documents in order to obtain Environmental Clearance.

File No	8854	9689
Online Proposal No for EC	SIA/TN/MIN/68491/2021. Dated 18.10.2021	SIA/TN/MIN/112400/2022 Dated 08.02.2023


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Based on the presentation made by the proponent, SEAC decided to recommend for grant of Terms of Reference (ToR) with Public Hearing, subject to the following TORs. In addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. Since the Karikili Bird Sanctuary is located at a distance of 13.6 km south, the PP shall obtain NBWL clearance.
3. The PP shall furnish the exact distance of the project location and Uthiramerur inscription.
4. The PP shall discuss in detail about execution of conditions laid down by PWD.
5. The proponent shall discuss the funds for mitigation measures to be included in the EMP.
6. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
7. The proponent shall obtain Anna University Star rating system.
8. The PP shall leave 60m safety distance for Reserve Forest adjoining the mining lease area as per the revenue records or any other standing orders as applicable.
9. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Necessary data and documentation in this regard may be provided.
10. The proponent shall submit the details regarding the nature of blasting activity which will be carried out.

11. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
12. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
13. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
14. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
15. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
16. Details of Green belt & fencing shall be included in the EIA Report.
17. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
18. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.

(i) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?

(ii) Quantity of minerals mined out.


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- (iii) Highest production achieved in any one year
 - (iv) Detail of approved depth of mining.
 - (v) Actual depth of the mining achieved earlier.
 - (vi) Name of the person already mined in that leases area.
 - (vii) If EC and CTO already obtained, the copy of the same shall be submitted.
 - (viii) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
19. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
20. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
21. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
22. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
23. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act 1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

24. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
25. The Proponent shall carry out the Cumulative Impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
26. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
27. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
28. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
29. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
30. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
31. Impact on local transport infrastructure due to the Project should be indicated.


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32. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
33. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
34. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
35. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
36. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
37. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
38. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-1 in consultation with the DFO, State Agriculture University. 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.
39. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the

boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

40. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
41. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
42. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
43. Public health Implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
44. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
45. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
46. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
47. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs

which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

48. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.

49. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 354-12

(File No: 9690/2021)

Proposed Rough stone & gravel quarry lease over an extent of 2.16.50 Ha (Patta Land) in S.F.Nos. 12/2A, 12/2B, 12/3A, 12/3B, 12/3C and 12/3D of Pazhaveri Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu by Thiru R. Vinothsaravanan- For Environmental Clearance (SIA/TN/MIN/412239/2022 Dt. 9.2.2023)

Earlier, this proposal was placed in the 277th meeting of SEAC held on 26.05.2022. The project proponent presented the details of the proposed quarry. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted of the following:

1. The Project Proponent, Thiru R. Vinothsaravanan has applied for Environmental Clearance the proposed Rough Stone & Gravel quarry lease over an extent of 2.16.50 Ha in S.F.Nos. 12/2A, 12/2B, 12/3A, 12/3B, 12/3C and 12/3D of Pazhaveri Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years and the mining plan for the period of five years should not exceed 3.66,762 cu.m. of Rough Stone and 34,188 cu.m. of gravel. The Annual peak production 91100 cu.m. of Rough Stone (5th year) and 34,188


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cu.m. of gravel (1st year) . The ultimate depth of mining would be 50 metres below GL.

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 Vedanthangal Bird Sanctuary at 9.6 Km & Kavanipakkam RF is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

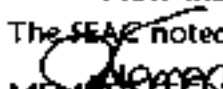
Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

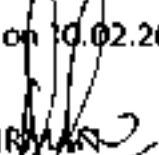
Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

Based on the above said G.O. The Proponent has resubmitted the same proposal on 9.02.2023 with all necessary supporting documents in order to obtain Environmental Clearance.

Now the proposal was placed in the 354th Meeting of SEAC held on 10.02.2023. The SEAC noted that


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File No	8891	9690
Online Proposal No for EC	SIA/TN/MIN/245237/2021 Dated 16.12.2021	SIA/TN/MIN/412239/2022 Dt. 9.2.2023

Based on the presentation & documents furnished by the PP, the SEAC noted that the PP and the EIA Coordinator have not disclosed the complete history of this case with particular reference to the earlier file no. 7643 and the decision taken by SEIAA in that case and decided to call for the explanation of the PP and the EIA Coordinator for this serious lapse.

Agenda No: 354-13

(File No: 9704/2021)

Proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 1.58.0 Ha (Patta Land) in S.F.Nos. 183/3, 194/7 & 194/1 of Viruveedu Village, Nilakottai Taluk, Dindigul District, Tamil Nadu by Tmt. N. Susila- For Environmental Clearance. (SIA/TN/MIN/240330/2021 Dated 18.12.2021)

Earlier, this proposal was placed in the 277th meeting of SEAC held on 26.05.2022. The project proponent presented the details of the proposed quarry. The details of the proposed quarry furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted of the following:

1. The Project Proponent, Tmt. N. Susila, has applied for Environmental Clearance for the proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 1.58.0 Ha (Patta Land) in S.F.Nos. 183/3, 194/7 & 194/1 of Viruveedu Village, Nilakottai Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 10 years and the mining plan for the period of 5 years & the production should not exceed -77680 cu/m of Rough


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stone, 9344 Cu.m of Weathered Rock & 20422 Cu.m of Gravel and the ultimate depth proposed is 13 metre below GL.

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 Valayapatti RF is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

Based on the above said G.O. The Proponent has resubmitted the same proposal on 9.02.2023 with all necessary supporting documents in order to obtain Environmental Clearance.

Now the proposal was placed in the 354th Meeting of SEAC held on 10.02.2023. The SEAC noted that


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File No	8899	9704
Online Proposal No for EC	SIA/TN/MIN/240330/2021 Dated 18.12.2021	SIA/TN/MIN/412490/2022 Dt. 9.2.2023

The salient features of the proposed project as follows.


S. No		
1	Name of the Owner/Firm	: Tmt. N. Susila, W/o. C. Natarajan, 3/126, North Street, Poosaripatti, Mallanampatti Village, Nilakottai Taluk, Dindigul District - 624 202.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone, Jelly and Gravel
3	S.F No. of the quarry site with area break-up	: 183/3, 194/7 & 194/1
4	Village in which situated	: Viruveedu
5	Taluk in which situated	: Nilakottai
6	District in which situated	: Dindigul
7	Extent of quarry (in ha.)	: 1.58.0 Ha
8	Period of quarrying proposed	: 5 Years
9	Type of mining	: Opencast Mechanized Mining
10	Production (Quantity in m ³)	: 77,680 m ³ of Rough Stone, 9344 m ³ of Weathered Rock and 20,422 m ³ of Gravel
11	Latitude & Longitude of all corners of the quarry site	: 10°03'49.23"N to 10°03'55.03"N 77°46'00.69"E to 77°46'07.40"E
12	Topo Sheet No.	: 58-F/16
13	Man Power requirement per day:	: 18 Nos
14	Precise area communication approved by Assistant Director, Department of Geology and Mining with date	: Na.Ka.En.154/2021 (Kenimam), dated:16.09.2021

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15	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Roc.No. 154/2021 (Mines), dated:20.10.2021
16	Water requirement: 8. Drinking water & domestic purposes (in KLD) 9. Dust Suppression (in KLD) 10. Green Belt (in KLD)	:	2.0 KLD 1.0 KLD 0.5 KLD 0.5 KLD
17	Power requirement c. Domestic Purpose d. Industrial Purpose	:	TNEB 65548 Liters of HSD
18	Depth of quarrying	:	13m bgl
19	Depth of water table	:	59m bgl
20	Whether any habitation within 300m distance	:	No
21	Project Cost (including EMP cost)	:	Rs. 2,13,67,056/-
22	EMP cost	:	Capital Cost – Rs. 12,49,000/- Recurring Cost – Rs. 11,49,760/-
23	CER cost	:	Rs. 5,00,000/-
24	Assistant Director, mines 500m cluster letter	:	Roc.No. 154/2021 (Mines), dated:20.10.2021
25	VAO certificate regarding 300m radius cluster	:	Letter dated 05.10.2021

In view of the above, the proposal was again placed in the 354th SEAC meeting Dt: 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the period of 5 Years and the ultimate depth of mining upto 13 m BGL and the production of 77680 m³ of Rough Stone, 9344m³ of weathered rock & 20422m³ of Gravel. The annual peak production shall not exceed 16605m³ of Rough Stone (1st year) 3444m³ of weathered Rock (1st year) & 7650m³ of Gravel (1st year) subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:



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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 420 m:
 - a. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - b. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction

of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.

- c. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
- d. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
- e. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- f. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- g. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- h. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- i. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals. Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.


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- j. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
 - k. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
 - l. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.
 - m. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco-sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
 - n. The PP shall not use plastic carry bags within the quarry area.
 - o. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - p. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced

ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.

8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
9. Since few habitations are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG


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Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

13. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
14. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
17. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
18. As accepted by the Project proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent for the Government Kallar Primary School, Dharmathupatti, as committed, before obtaining CTO from TNPCB.

Agenda No. 354 – 14

(File No: 9712/2022)

Proposed Rough Stone & Gravel Quarry lease over an extent of 3.38.0Ha S.F.No.384(P), 387/3 & 387/4, Amayapuram Village, Manapparai Taluk, Tiruchirappalli District by


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Thiru.T.Rengarasu - For Environmental Clearance. (SIA/TN/MIN/412562/2022, dt: 31.12.2022)

The proposal was again placed in the 354th SEAC meeting Dt: 10.02.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.T.Rengarasu has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 3.38.0Ha S.F.No.384(P), 387/3 & 387/4, Amayapuram Village, Manapparai Taluk, Tiruchirappalli District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal vide online SIA/TN/MIN/236686/2021, dt: 31.10.2021 was placed in the 272nd Meeting of SEAC held on 13.05.2022 and noted that the noted that the Amayapuram Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal. Subsequently, the proposal was placed in the 517th Authority meeting held on 06.06.2022.
4. As per G.O. (Ms.) No. 243 industries, investment promotion and Commerce (MMC.I) Department dated 14.12.2022. Again, the project proponent, Thiru.T.Rengarasu has again applied for Environmental Clearance vide SIA/TN/MIN/412562/2022, dt: 31.12.2022 for the proposed Rough Stone & Gravel Quarry lease over an extent of 3.38.0Ha S.F.No.384(P), 387/3 & 387/4, Amayapuram Village, Manapparai Taluk, Tiruchirappalli District, Tamil Nadu.
5. Precise area communication period is 10 Years. The mining plan is for the period of 5 years & the production should not exceed 302860Cb.m of Rough Stone & 23288cb.m of Gravel. The annual peak production shall not exceed 66750 Cu.m of Rough Stone (5th Year) & 7872 Cu.m of Gravel (1st Year). The ultimate depth - 20m BGL.



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1	Name of the Owner/Firm	:	Mr.T.Rengarasu, S/o.Mr.Thingsmsni, No.150, Modskudi, Mangathevanparti, Kulathur Taluk. Pudukkottai - 622502 Tamil Nadu
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	:	384(P), 387/3 & 387/4
4	Village in which situated	:	Amayapuram
5	Taluk in which situated	:	Manapparai
6	District in which situated	:	Tiruchirappalli
7	Extent of quarry (in ha.)	:	3.38.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	10°37'17.16"N to 10°37'25.29"N 78°22'8.44"E to 78°22'16.09"E
9	Topo Sheet No.	:	58 J/06
10	Type of mining	:	Opencast Semi Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	302860Cb.m of Rough Stone & 23288cb.m of Gravel
13	Depth of quarrying	:	20 m
14	Depth of water table	:	55m-60m BGL
15	Man Power requirement per day:	:	29 Nos.
16	Source of Water Requirement	:	water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	5.8 KLD 0.300 KLD 2.0 KLD 2.0 KLD
18	Power requirement	:	TNEB
19	Whether any habitation within 300m distance	:	No

20	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	:	Rc.No.567/2021/Kanimam, dt: 20.10.2021
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.567/2021/Mines dt: 25.10.2021
22	Assistant Director, Department of Geology and Mining 500m cluster letter		Rc.No.567/2021/Mines dt: 26.10.2021
23	VAO certificate regarding 300m radius cluster		Letter dt: 28.10.2021
24	Project Cost (excluding EMP cost)	:	Rs.31.75 Lakh
25	EMP cost	:	EMP Cost – Rs. 160 Lakhs/5Years including capital & recurring cost with 5% Inflation cost anticipated every year.
26	CER cost		Rs.5.0 Lakhs

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

In view of the above, the proposal was again placed in the 354th SEAC meeting Dt: 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional particulars as follows

1. Details of approved layout/Structures/buildings, reservoir, Canal, High ways, Railway lines, Water Bodies, Reserve Forest, Village Road, Cart track, Stream Courses within /outside the radius of 50m, 100m, 150m,200m, 250m, & 300m of the proposed mining area.


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Agenda No. 354 - 15

(File No: 9719/2022)

Proposed Rough Stone & Gravel Quarry lease over an extent of 1.34.5Ha S.F.No.17/4 and 17/5, Varagur Village, Thandrapattu Taluk, Tiruvannamalai District by Thiru.M.Vinothkannan - For Environmental Clearance. (SIA/TN/MIN/413338/2023, dt: 06.01.2023)

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

The SEAC noted the following:

1. The project proponent, Thiru.M.Vinothkannan has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 1.34.5Ha S.F.No.17/4 and 17/5, Varagur Village, Thandrapattu Taluk, Tiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal vide online SIA/TN/MIN/254077/2022, dt: 31.01.2022 was placed in the 279th Meeting of SEAC held on 29.05.2022 and noted that the Radhapuram R.F located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal. Subsequently, the proposal was placed in the 525th Authority meeting held on 29.06.2022.
4. As per G.O. (Ms.) No. 243 Industries, Investment promotion and Commerce (MMC.1) Department dated 14.12.2022. Again, the project proponent, Thiru.M.Vinothkannan has again applied for Environmental Clearance vide SIA/TN/MIN/413338/2023, dt: 06.01.2023 for the proposed Rough Stone & Gravel Quarry lease over an extent of 1.34.5Ha S.F.No.17/4 and 17/5, Varagur Village, Thandrapattu Taluk, Tiruvannamalai District, Tamil Nadu.
5. Precise area communication period is 10 Years. The mining plan is for the period of 5 years & the production should not exceed 35380m³ of Rough Stone & 12456m³ of Gravel. The annual peak production shall not exceed 6890m³ of Rough Stone

(3rd year) & 5306m³ of Gravel (2nd Year). The ultimate depth – 12m BGL.

6. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (I-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

7. Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.

Sl. No.	Details	
1	Name of the Owner/Firm	: Thiru.M. Vinothkannan S/o.Manickam, No.136, Main Road, Varagur Village, Thandrapattu Taluk, Tiruvannamalai District- 606753
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel
3	S.F No. Of the quarry site with area break-up	: 17/4 and 17/5
4	Village in which situated	: Varagur
5	Taluk in which situated	: Thandrapattu
6	District in which situated	: Tiruvannamalai
7	Extent of quarry (in ha.)	: 1.34.5Ha
8	Latitude & Longitude of all corners of the quarry site	: 12°08'28.08"N to 12°08'36.28"N 79°01'18.85"E to 79°01'22.61"E

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9	Topo Sheet No.	:	57 - P/04
10	Type of mining	:	Opencast Semi Mechanized of Mining
11	Period of quarrying proposed	:	5 years
12	Production (Quantity in m ³)	:	35380m ³ of Rough Stone & 12456m ³ of Gravel
13	Depth of quarrying	:	12m BGL
14	Depth of water table	:	58m BGL
15	Man Power requirement per day:	:	18 Nos.
16	Source of Water Requirement	:	water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	0.81 KLD 0.81 KLD 0.5 KLD 0.5 KLD
18	Power requirement	:	TNEB
19	Whether any habitation within 300m distance	:	No
20	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	:	Rc.No.96/Kanimam/2020 dt: 16.09.2021
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	:	Rc.No.96/Kanimam/2020 dt: 25.11.2021
22	Assistant Director, Department of Geology and Mining 500m cluster letter	:	Rc.No.96/Kanimam/2020 dt: 24.12.2021
23	VAO certificate regarding 300m radius cluster	:	Letter Furnished.
24	Project Cost (excluding EMP cost)	:	Rs.218.38 Lakh

25	EMP cost	:	EMP Cost – Rs. 169 Lakhs/5Years including capital & recurring cost with 5% inflation cost anticipated every year.
26	CER cost		Rs.5.0 Lakhs

In view of the above, the proposal was again placed in the 354th SEAC meeting Dt: 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the period of 5 Years and the ultimate depth of mining upto 12m BGL and the production of 35380m³ of Rough Stone & 12456m³ of Gravel. The annual peak production shall not exceed 6890m³ of Rough Stone & 5306m³ of Gravel subject to the **standard conditions as per the Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier **vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The Competent authority shall verify and ensure that the PP maintain the safety barrier with a minimum distance of 60 m from the boundary of the quarry lease to the existing Reserved Forest boundary at the time of lease execution.
3. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
4. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and


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Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.

5. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
6. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
7. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 60 m:
 - a. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - b. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
 - c. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
 - d. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.

- e. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- f. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- g. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- h. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- i. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
- j. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
- k. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
- l. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.


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- m. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
 - n. The PP shall not use plastic carry bags within the quarry area.
 - o. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - p. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
8. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
9. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
10. Since few sheds are situated from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the

quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University – CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

11. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
12. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
13. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
14. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
15. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
16. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.


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17. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
18. As accepted by the Project proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent for the Government High School, Kamtchiyanthal Village as committed, before obtaining CTO from TNPCB.

Agenda No: 354 - 16

(File No: 9720/2023)


proposed Rough stone quarry lease area over an extent of 4.30.0Ha at SF.No. 49/2(Part-1) (Govt. Poramboke land) of Adaiyur Village, Tiruvannamalai Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. M.Ayyakannu- For Environmental Clearance.(SIA/TN/MIN/413671/2023 dt 07.01.2023)


The proposal was placed for appraisal in this 354th SEAC meeting held on 10.02.2023. 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.
2. Earlier appl No. SIA/TN/MIN/200312/2022 dt: 26.02.2022 (File No. 8395/2022) was appraised vide 262nd SEAC Meeting held on 8.4.2022. 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".


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The Committee noted that the Kavuttimalai Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal and same was accepted in 507th meeting of SEIAA held on 12.05.2022.

3. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

4. Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.
5. Now, the Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/413671/2023 dt: 07.01.2023 (File No. 9720/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

File No	8395	9720
Online Proposal No for EC	SIA/TN/MIN/200312/2020, Dated:26.02.2022	SIA/TN/MIN/413671/2023 Dated:07.01.2023

6. The salient features of the proposed project as follows

1	Name of the Owner/Firm	:	Thiru.M.Ayyakannu S/o.Manikkam, No.481/1, Pillayarkovil street, Nandimangalam Village, padiagraharam Post, Tiruvannamalai District.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone Quarry

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3	S.F No. Of the quarry site with area break-up	: 49/2 (Part-1) (Govt. Poramboke land)
4	Village in which situated	: Adaiyur
5	Taluk in which situated	: Tiruvannamalai
6	District in which situated	: Tiruvannamalai
7	Extent of quarry (in ha.)	: 4.30.0Ha
8	Period of quarrying proposed	: 5 years
9	Type of mining	: Opencast, Semi-Mechanized mining
10	Production (Quantity in m ³)	: As per the mining plan, the lease period is for 5 years and the mining plan is for 5 years the total quantity of recoverable should not exceed 10,80,980 m ³ of Rough stone.
11	Annual peak Production (Quantity in m ³)	: 216915m ³ of Rough stone (3 rd year)
11	Existing pit	: 10m
12	Ultimate Depth of quarrying	: 60m (15m AGL + 45m BGL)
13	Depth of water table	: 57m in Summer Season 54m in Rainy Season
14	Latitude & Longitude of all corners of the quarry site	: 12°16'46.00"N to 12°16'53.08"N 79°02'08.11"E to 79°02'17.09"E
15	Top Sheet No.	: 57- P/03
16	Man Power requirement per day:	: 29 Nos
17	Precise area communication issued by the Assistant Director, District Collector, with date	: Na.Ka.No.183/Kanimam/2020. Dated: 20.11.2020
18	Mining Plan approved by Assistant Director, Department of Geology and mining with date	: Rc.No.183/Kanimam/2020, Dated: 08.02.2021
19	500m cluster letter issued by Assistant Director, Department of Geology & Mining.	: Rc.No.183/Kanimam/2020, Dated: 08.02.2021
20	VAO certificate regarding 300m radius cluster	: Letter Date: 09.02.2021
21	Water requirement: 11. Drinking & domestic purposes (in KLD) 12. Dust suppression(in KLD)	: 3.0 KLD 1.0 KLD 0.5 KLD

	13. Greenbelt (in KLD)		0.5 KLD
22	Power requirement e. Domestic Purpose	:	TNEB
23	Project Cost	:	Rs.2,91,00,000/-
24	EMP cost	:	Capital Cost : Rs. 28.98Lakhs Recurring Cost/annum : Rs.40.21Lakhs
25	CER cost	:	Rs.6.0 Lakhs as accepted by the PP

Hence, the proposal was placed in the 354th Meeting of SEAC held on 10.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for quantity of 10,80,980 m³ of Rough stone not exceeding the annual peak production of 216915m³ of Rough stone (3rd year) with maintaining an ultimate pit depth of 60m (15m AGL + 45m BGL), subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF & CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before the obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the


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commencement of the operation as recommended in the DGMS Circular. 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.

5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 700 m:
 - a. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - b. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
 - c. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
 - d. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
 - e. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.

- f. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- g. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- h. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- i. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
- j. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
- k. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
- l. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.
- m. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on


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these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.

- n. The PP shall not use plastic carry bags within the quarry area.
 - o. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - p. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
9. Since few sheds and temple are situated at a distance of 250 m from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of

Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University - CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.

10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
12. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
13. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
14. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
15. Within one year of the commencement of quarrying operations, the PP shall carry out the hydrogeological studies for devising the water management programme.


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by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, University of Madras – Dept of Geology and Anna University – Dept of Geology, CEG Campus. 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

16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
19. As accepted by the Project proponent the CER cost is Rs. 6.0 lakhs and the amount shall be spent for the Government Middle School, Adaiyuras committed, before obtaining CTO from TNPCB.

Agenda No: 354-17

(File No: 9724/2022)

Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha at S.F.No. 1(Part-3) of Kolamanjanur Village, Thandampattu Taluk, Tiruvannamalai District, Tamil Nadu by Thiru.R.Balachandar - for Environmental Clearance. (SIA/TN/MIN/413212/2023,dated 04.01.2023)

Earlier, this proposal was placed in 283rd Meeting of SEAC held on 09.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.R.Balachandar has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 2.00.0 Ha at S.F.No.1(Part-3) of Kolamanjanur Village, Thandampattu Taluk, Tiruvannamalai 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.
3. As per mining plan, the lease period is 5 years. The mining plan for the period of five years & the production should not exceed 3,83,000m³ of Rough Stone. The annual peak production 76,900m³ of Rough Stone (5th year) with an ultimate depth of mining 50m (20m AGL + 30m BGL).

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 Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

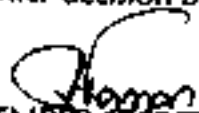
"... No quarrying or mining or crushing activities shall be carried out within one kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically 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 Ponnaiyur Reserve Forest is located at a distance of 400m from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.I) Department, dated 14.12.2022, as below.

"In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression "the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests", the expression "National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors" shall be substituted".

Consequently, the proponent has re-presented/reapplied the proposal to reconsider the earlier decision based on the above G.O.


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Now the proposal was placed in this 354th Meeting of SEAC held on 10.02.2023.

File No	9000	9724
Online Proposal No for EC	SIA/TN/MIN/255774/2022, Dated 09.02.2022	SIA/TN/MIN/413212/2023 Dated 04.01.2023

The salient features of the proposed project as follows.

No.		
1.	Name of the Owner / Firm	Thiru. R Balachandar, S/o. Ramesh No.44 Main Road, Kolamanjanur Thandrapattu Taluk Thiruvannamalai District
2.	Type of quarrying	Rough Stone Quarry
3.	S.F No. of the quarry site	1(PART-3)
4.	Village in which situated	Kolamanjanur
5.	Taluk in which situated	Thandrapattu
6.	District in which situated	Thiruvannamalai
7.	Extent of Quarry (in ha.)	2.00.0Ha
8.	Period of Quarrying proposed	5 Years
9.	Type of Mining	Open cast Semi Mechanized Mining
10.	Production (Quantity in m ³)	As per mining plan, the lease period is 10 years. The mining plan for the period of five years & the production should not exceed 3,83,000m ³ of Rough Stone. The annual peak production 76,900m ³ of Rough Stone (5 th year) with an ultimate depth of mining 50m (20m ACL +30m BGL).
11.	Latitude & Longitude of all corners of the quarry site	12°08'06"N to 12°08'08.12"N 78°53'07"E to 78°53'13"E
12.	Topo sheet No.	57 -L/16
13.	Man power requirement per day:	22 Employees

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14.	Precise Area Communication approved by the District Collector	Rc.No. 47/Kanimam/2020, dated: 04.03.2020
15.	Mining plan approved by the Assistant Director of Geology and Mining with date	Rc.No.47/Kanimam/2020, dated: 01.07.2020
16.	AD mines 500m cluster letter by the Assistant Director of Geology and Mining with date	Rc.No.47/Kanimam/2020, dated: 22.10.2020
17.	Water requirement: 1. Drinking Water 2. Dust Suppression 3. Green Belt	1.5 KLD 0.5 KLD 0.5KLD 0.5 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB 3,06,400 Liters of HSD will be utilized for Stone.
19.	Depth of Mining	50m (20m AGL +30m BGL)
20.	Depth of Water table	55m in summer season - 52m in rainy season
21.	Whether any habitation within 300m distance	Nil
22.	Project cost	Rs. 1,29,00,000
23.	EMP cost	Rs.185.29 Lakhs
24.	CER cost	Rs.5 Lakhs
25.	VAO letter dated	13.07.2020

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excavation quantity of 3,79,050m³ of Rough Stone (deducting width of mining which is less than 12m) not exceeding the annual peak production of 76,900m³ of Rough Stone with maintaining an ultimate pit depth of 45m (20m AGL+25m BGL) subject to the standard conditions as per the Annexure 1 of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a


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

2. The PP shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chennai Region and get the necessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS, Chennai before obtaining the CTO.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 before obtaining the CTO from the DEE/TNPCB.
4. The proponent shall maintain the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGM's Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
5. Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 m as it is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
6. The PP shall ensure that the following provisions are provided due to the existence of Reserved Forest at a distance of 700 m:
 - i. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
 - ii. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.

- iii. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
- iv. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
- v. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
- vi. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
- vii. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
- viii. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.
- ix. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals. Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
- x. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.


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- xi. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
 - xii. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 200 or more or areas with a high degree of erosion on forestland.
 - xiii. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco-sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
 - xiv. The PP shall not use plastic carry bags within the quarry area.
 - xv. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
 - xvi. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.
7. The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting

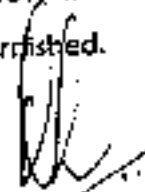
- operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
8. No 'Deep-hole large diameter drilling and blasting' is permitted in the proposed quarry.
 9. Since few sheds and temple are situated at a distance of 250 m from the mine lease boundary, within one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the quarry by adopting appropriate controlled blasting techniques', by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Anna University - CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance.
 10. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
 11. The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
 12. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 35 m (or) after the completion of 3 years of operation whichever is earlier, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.


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13. Since the quarry site lies in close proximity to the habitations & roads, the PP shall furnish a Standard Operating Procedure for carrying out the safe method of carrying out the blasting operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
14. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
15. Since the check dam is located at a distance of 400 m, the PP shall carry out the hydrogeological studies for devising the water management programme during the second year from the commencement of mining operations, by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM, IIT-Madras, University of Madras – Dept of Geology and Anna University – Dept of Geology, CEG Campus. 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
16. The PP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
17. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
18. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal..
19. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.


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

Agenda No: 354 - 18

(Old no File No: 8308/2021

New No. File No: 9729/2023

Proposed Rough Stone & Gravel quarry lease for the extent of 0.51.0 Ha of S.F.No. 263(Part) Alamelumangapuram Village, Vellore Taluk, Vellore District by Thiru K.Devendiran - For Environmental Clearance. (SIA/TN/MIN/414215/2023, Dated: 11.01.2023)

Earlier, this proposal was placed for appraisal in 257th meeting of SEAC held on 25.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru K.Devendiran has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease for the extent of 0.84.0 Ha of S.F.No. 251 (Part) & 263(Part) Alamelumangapuram Village, Vellore Taluk, Vellore 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 5 years not exceeds 37487 m³ of Rough stone and 9598 m³ of gravel, with proposed depth - 20 m. (BGL). EMP cost - 7 lakhs.
4. Earlier, this proposal was placed before 226th SEAC meeting held on 17.8.2021 and SEAC noted that there are 2 nos. of odai on the eastern and western side of the proposed mine lease area at SF. Nos. 265 & 262 respectively which was also not mentioned in the mine plan submitted. Further SEAC noticed that mining activity was carried out in the SF. No. 265. Hence, the SEAC decided to make an onsite inspection to assess the present status of the environmental settings and the water bodies nearby, by the sub-committee constituted by the


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5. Based on that, the subcommittee has been formed and inspected the site on 10.10.2021 and the observation is as follows

- a) The proponent, Thiru.K. Devendiran proposed to operate a rough stone and gravel quarry over an extent of 0.84.0Ha in S.F.No.251(Part) & 263(Part) of Alamelumangapuram Village, Vellore Taluk, Vellore District, Tamil Nadu
- b) The project/activity is covered under Category "B2" "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
- c) This is a fresh quarry and there was no previous quarrying operation. Some quantity of earth alone has been removed long back.
- d) As per village records, there are two streams running west to east adjoining the proposed mining site and one stream runs in between survey No 251 & 263 which makes the mining site non-contiguous. Mining in survey no 251 will affect flow of water in the nearby stream. Moreover S.F.No.251 & 263 are not contiguous.
- e) There is no habitation within a distance of 500m
- f) There is Punganur RF in SE direction at a distance of 1Km and Vellore RF in the SW direction at a distance of 1 km approximately

RECOMMENDATIONS OF THE SUB COMMITTEE

- a) The Sub-committee opines that quarrying in S.F.No.251 will affect flow of water in the stream in S.F.No.252. Moreover S.F.No.251 & 263 are not contiguous. Hence, quarrying in 263 (0.51.0Ha) alone may be considered.
- b) The quarry site is completely surrounded by dry lands.
- c) The land in survey no 251(0.33.0Ha) belongs to the proponent and so the proponent may be directed to raise green belt over the entire area of 0.33.0Ha.
- d) The proponent may be directed to demarcate the odai running in between S.F.No.251 and 263 as per FMB and the course may be cleaned and

desilted in consultation with PWD and Revenue officials before commencing mining works necessary arrangements may be made to maintain the continuity of that odai up to SF.No. 250 and a safety distance of 20m shall be left from the odai so that flow of water downstream is not affected.

- e) The Subcommittee opines that the proposal for quarrying 0.51.0 Ha in SF.No. 263(p) of Alamelumangapuram Village, Vellore Taluk, Vellore District Tamil Nadu.

6. Under the above circumstance the proposal along with subcommittee report were again placed in 257th SEAC Meeting held on 25.3.2022. 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 Vellore Fort Hill Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

7. Subsequently, the proposal was placed in 501st Authority meeting held on 22.04.2022. In view of the above, the Authority decided to communicate the


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minutes to the project proponent in 257th meeting of SEAC held on 25.03.2022.

Now, the proposal was again placed in the 354th SEAC meeting held on 10.02.2023. Based on the presentation and document furnished by the proponent, SEAC noted that a School/Orphanage with approximately 40 inmates is located at a distance of about 140m from the proposed site. Hence, in the view of the above, the Committee decided not to recommend the proposal.

Agenda No: 354-19

(File No – 9798)

Proposed Modernization and Upgradation of Chennai Fishing Harbour, Kasimedu at SF.No. 3483, 3482, 3514, 3515, 3522, 3524, 4321, 4342, 4343, 3457, 348 5, 3464, 3527, 3518 Kasimedu Village Chennai Taluk Chennai District Tamil Nadu by M/s Chennai Port Authority-for Terms of Reference along with Public Hearing. (SIA/TN/INFRA/411618/2022, Dated: 21.12.2022)

The proposal was placed in the 354th meeting of SEAC held on 10.02.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s Chennai Port Authority Proposed Modernization and Upgradation of Chennai Fishing Harbour, Kasimedu at SF.No. 3483, 3482, 3514, 3515, 3522, 3524, 4321, 4342, 4343, 3457, 348 5, 3464, 3527, 3518 Kasimedu Village Chennai Taluk Chennai District Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 7(e) "Fishing Harbour Project" of the Schedule to the EIA Notification, 2006, as amended.
3. The total land area of the project is 2,42,800 Sq.m which is 59.97 acres. The total area of the Chennai Fishing Harbour is about 7,28,700 Sq.m (180.06 acres).


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Based on the presentation made by the proponent and the documents furnished, the SEAC decided to prescribe ToR for the preparation of EIA report along with conduct of Public Hearing. The EIA shall include standard ToR along with the following additional ToR:

1. Necessary supporting documents including land documents, approval from Competent Authority for supply of fresh water, first and latest valid consents of TNPCB for the existing operation shall be furnished.
2. The PP shall furnish project timeline enlisting the proposed activities in chronological order.
3. The PP shall explore the alternate potable water sources and shall furnish feasibility study report for in-situ desalination plant.
4. The proposed modernisation of fishing harbour by the PP shall conform to state-of-the-art facilities to the sellers and buyers.
5. Lead-free paints shall be used for painting boats/docks.
6. Implications of construction activities on the local ecology shall be detailed.
7. The PP shall furnish detailed plan for providing solar panels as alternate source of energy.
8. PP shall detail environmental priorities of fishing port, environmental policy of the port, environment management cell available at the port and eco-friendly port assessment model.
9. The proponent shall submit the feasibility report by involving the reputed research Institutions such as Ocean Mining & Deep Sea Mining Technology Division, NIOT/Chennai, Dept of Ocean Engineering, IIT Madras on proposed project activity removal of the longstanding & existing Breakwater mound which includes the methodology of removal, Disposal of waste materials, Cost Benefit


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Analysis, the environmental impacts during the excavation and checking the manoeuvrability studied by reputed Institutions like the Central Water and Power Research Station (CWPRS), Pune.

10. The proponent should ensure that the boats are properly maintained and there is no oil spillage. Used oil disposal details shall be furnished.
11. The proponent should prepare a comprehensive line diagram in which all the facilities to be created should be marked. Then for each facility, the probable effluent generation and waste generation should be indicated with quantity and quality. Finally, the methodology for collection, treatment and reuse/disposal of the liquid and solid waste should be indicated. Specific attention should be paid to the marine discharges.
12. Within 10km radius all the parameters like air, sediment and biology including coastal ecology should be studied in detail.
13. The sampling should be done in grid pattern and every one kilometre the samples (air, water, sediment and biological samples) within the 10km of radius.
14. Heavy metal studies in water and sediments shall be conducted.
15. The report should include the proposal for proper treatment for waste water generated from the fish handling platforms so as to ensure no pollution to the ground water as well as the sea water from the harbour operation.
16. The study proposal shall include details pertaining to collection, treatment and disposal of solid wastes both municipal and fish waste.
17. The project proponent shall submit a comprehensive monitoring plan for coastal ecology covering coastal ecosystem and riverine system for both construction and operation period. All physical, chemical and biological parameters including plankton, productivity, benthic fauna and flora, fishery, etc shall be covered in monitoring plan. Monitoring during construction period will be on weekly basis

and during the operational period on seasonal basis (4 times in a year, for a minimum of 5 years).

18. There should not any damage/ impact on these resources and associated biodiversity. The project proponent shall submit the detailed proposal to implement mangrove afforestation by involving reputed Institution like Annamalai University (Marine Biology Centre) and a detailed plan with budget shall be prepared for Mangrove afforestation and monitoring for a period of minimum 5 years in consultation with the said Institution and submit a copy of the same along with the EIA Report. The proponent shall also sign an MOU and submit a copy of the same along with EIA report
19. A study shall be conducted on reputed Institutions like Annamalai University (Marine Biology Department), etc the impact on the proposed modernization of fishing harbour on movement of turtles and other aquatic species.
20. A detail study on impact of oil spillage from the operation of the fishing harbour and its mitigation measures shall be part of EIA study.
21. Impact on the Distortion effects on the proposed modernization of the fishing harbour shall be part of EIA.

7(e): STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR PORTS, HARBOURS AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

1. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
2. Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Examine and submit detail of land use around 10 km radius of the project site and map of the project area and 10 km


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area from boundary of the proposed/existing project area, delineating project areas notified under the wild life (Protection) Act, 1972/critically polluted areas as identified by the CPCB from time to time/notified eco-sensitive areas/interstate boundaries and international boundaries. Analysis should be made based on latest satellite imagery for land use with raw images.

3. Submit the present land use and permission required for any conversion such as forest, agriculture etc. land acquisition status, rehabilitation of communities/villages and present status of such activities.
4. Examine and submit the water bodies including the seasonal ones within the corridor of impacts along with their status, volumetric capacity, quality likely impacts on them due to the project.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area
6. Submit the details of terrain, level with respect to MSL, filling required, source of filling materials and transportation details etc.
7. Examine road/rail connectivity to the project site and impact on the existing traffic network due to the proposed project/activities. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
8. Submit details regarding R&R involved in the project
9. Submit a copy of layout superimposed on the HTL/LTL map demarcated by an authorized agency on 1:4000 scale along with the recommendation of the SCZMA.
10. Submit the status of shore line change at the project site
11. Details of the layout plan including details of channel, breakwaters, dredging, disposal and reclamation.
12. Details of handling of each cargo, storage, transport along with spillage control, dust preventive measures. In case of coal, mineral cargo, details of storage and closed conveyance, dust suppression and prevention filters.
13. Submit the details of fishing activity and likely impacts on the fishing activity due to the project. Specific study on effects of construction activity and pile driving on marine life.

14. Details of oil spill contingency plan.

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

1. Details of bathymetry study.
2. Details of ship tranquillity study.
3. Examine the details of water requirement, impact on competitive user, treatment details, use of treated waste water. Prepare a water balance chart.
4. Details of rainwater harvesting and utilization of rain water.
5. Examine details of Solid waste generation treatment and its disposal.
6. Details of desalination plant and the study for outfall and intake.
7. Examine baseline environmental quality along with projected incremental load due to the proposed project/activities.
8. The air quality monitoring should be carried out according to the notification issued on 16th November, 2009.
9. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
10. Submit details of a comprehensive Risk Assessment and Disaster Management Plan including emergency evacuation during natural and man-made disasters.
11. Submit details of the trees to be cut including their species and whether it also involves any protected or endangered species. Measures taken to reduce the number of the trees to be removed should be explained in detail. Submit the details of compensatory plantation. Explore the possibilities of relocating the existing trees.
12. Examine the details of afforestation measures indicating land and financial outlay. Landscape plan, green belts and open spaces may be described. A thick green belt should be planned all around the nearest settlement to mitigate noise and vibrations. The identification of species/ plants should be made based on the botanical studies.
13. The Public Hearing should be conducted for the project in accordance with


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provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.

14. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
15. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
16. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
17. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "[http://moef.nic.in/Manual/Port and harbour](http://moef.nic.in/Manual/Port%20and%20harbour)".

ANNEXURE-I


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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.
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


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

8. The Project Proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned Regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamilnadu.
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper escapements as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation

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


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

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

quarrying operation. If the project site attracts the NBWL clearance, as per the existing law from time to time.

26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Pre-de area communication letter issued by concerned District Collector should be strictly followed.

27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix -II of this minute.


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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சள். பூக்கொடியிலை
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Uai	உ.அ
5	<i>Bauhinia purpurea</i>	Manthari	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	அத்தி
7	<i>Bauhinia tomentosa</i>	Iruvattu	இருவட்டி
8	<i>Buchanania axillaris</i>	Kattuna	கட்டுநா
9	<i>Borassus flabellifer</i>	Pani	பனி
10	<i>Bulsa monosperma</i>	Muvattamaran	முவத்தாமரம்
11	<i>Botax cala</i>	Ilavu, Sevvelavu	இலவு
12	<i>Calophyllum inophyllum</i>	Pannai	பன்னை
13	<i>Cassia fistula</i>	Sarakandrai	சரகண்டரை
14	<i>Cassia rostrata</i>	Sengondrai	செங்கண்டரை
15	<i>Chloroxylon storiaris</i>	Purasamaran	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kotiga, Manjilavu	கோதிக. மஞ்சள் இலை
17	<i>Cordia dichotoma</i>	Narvoti	நரவோதி
18	<i>Cretos adansonii</i>	Mavelingum	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uza	உ.அ
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீரு.உ.அ
21	<i>Diospyros subcordata</i>	Karungali	கரங்கலி
22	<i>Diospyros schloroxylon</i>	Vapanai	வாப்பனா
23	<i>Ficus amplissima</i>	Kallikku	கல் கிக்கு
24	<i>Hibiscus tiliaceus</i>	Astrupovaracu	அஸ்துபாவரக
25	<i>Hardwickia binata</i>	Aacha	அச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	அயிலி மரம், அயிலி
27	<i>Laurus cammaridica</i>	Odham	ஒடம்
28	<i>Lagerstrumia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Laportanthus tetraphylla</i>	Nelkottaimaram	நெல்கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலை மரம்
31	<i>Litsea glutinosa</i>	Painpettai	பைன்பை. பிளையா.ம.
32	<i>Madhuca longifolia</i>	Iluppi	இலுப்பி
33	<i>Morukera hexandra</i>	UlaikaiPani	உ.லகை பனி
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழாமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nana	நாணா
37	<i>Morinda citrifolia</i>	Vella Nana	வெல்லா நாணா
38	<i>Phoenix sylvestre</i>	Eachi	ஏச்சி
39	<i>Pongamia pinnat</i>	Pungu	புங்கு

Suman

40	<i>Prunella mollissima</i>	Mannai	முன்னை
41	<i>Prunella serratifolia</i>	Narainthani	நாரைந்தனி
42	<i>Prunella tomentosa</i>	Mahipoovarasu	மாஹிபூவரசு
43	<i>Prosopis cineraria</i>	Vanni maran	வாணி மரம்
44	<i>Pterocarpus marsipian</i>	Vengai	வேங்கை
45	<i>Pterocarpium canescens</i>	Vennangu, Tada	வேண்டங்கு, தாடா
46	<i>Pterocarpium zylcarpum</i>	Polavu	பொலாவு
47	<i>Putranjiva roxburghii</i>	Karpala	கர்பலா
48	<i>Sesuvium portuacastrum</i>	Uppa Maran	உப்பு மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மாணிபுண்டி, சோபுகை
50	<i>Sarcococca asoca</i>	Asoca	அசோகா
51	<i>Struthius asper</i>	Piray maran	பிரை மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	யெட்டி
53	<i>Strychnos potatorum</i>	Theerthang Kottai	தீர்த்தங்குளம், கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia bellerica</i>	Thanchi	தாண்டி
56	<i>Terminalia arjuna</i>	Ven maruthu	வேன் மருது
57	<i>Terna ciliata</i>	Sandhana vembu	சாந்தனா வெம்பு
58	<i>Theophrastia populnea</i>	Puvrasu	புவரசு
59	<i>Walsbya trifoliata</i>	valura	வாலுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkupuli	கோட்குப்புலி

MEMBER SECRETARY
SEAC - TN

CHAIRMAN
SEAC - TN

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

-செயல்பாடு-

அங்கத்தினர் குறைவு பெரும்பகுதியினர் அறிந்ததற்கு அனுமதி இல்லாத நிலைமைகளுக்கு உட்பட்ட
வழங்கல்களில்லாமல், மேலும் பின்பு, அறிந்ததற்கு அனுமதி செய்து வரும் செயல்பாட்டை உடனடி

புறக்கணிப்பு செய்து வந்தால் செயல்பாட்டின் கீழ் அங்கத்தினர்	குறைந்தபட்சம் அங்கத்தினர் அறிந்த நிலைமைகளுக்கு உட்பட்ட
புறக்கணிப்பு செய்து வந்தால் செயல்பாட்டின் கீழ் அங்கத்தினர்	அங்கத்தினர் அறிந்த நிலைமைகளுக்கு உட்பட்ட
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