

State Expert Appraisal Committee (SEAC)

Minutes of 408th meeting of the State Expert Appraisal Committee (SEAC) held on 08.09.2023 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building & Construction projects and Mining projects.

Confirmation of Earlier Minutes

The minutes of the 407th SEAC meeting held on 07.09.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 408 – 01

(File No: 4973/2023)

Existing Multicolour Granite Quarry over an extent of 3.44.5 Ha at S.F. No. 59/2B, 59/3A(P), 59/3B, 60/2A & 3A of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru G.Udhayakumar - For extension of validity of Environmental Clearance.

(SIA/TN/MIS/298448/2022 Dt. 09.03.2023)

The proposal was placed in this 408th meeting of SEAC held on 08.09.2023. The Project Proponent made a detailed presentation on the proposed project. 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.Udhayakumar has applied seeking extension of Environmental Clearance issued for the Existing Multicolour Granite Quarry over an extent of 3.44.5 Ha at S.F. No. 59/2B, 59/3A(P), 59/3B, 60/2A & 3A of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu for which the proceeding order vide G.O. (3D).No. 30 Industries (MME.2) Department Dated, 19.02.2016 has been executed for Quarrying Lease for a period of validity of 20 years (29.02.2016 to 28.02.2036).
2. The project/activity is covered under category "B2" of item 1(a) "Mining of


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Minerals Projects” of the schedule to the EIA Notification, 2006 as amended.

3. The PP has obtained the Environmental Clearance valid for a period of 5 years from the Authority vide Lr. No. SEIAA-TN/F. No. 4973/EC/1(a)/2881/2016, dated. 17.02.2016 for production quantity of 4610 cu.m of Multi Colour Granite and an Ultimate depth of 21 m with subjected to specific condition stating that “The Environmental Clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from NBW as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site”.
4. Hence, the PP has not operated the mine continually due to the above NBWL condition and he had applied for ToR based on the 500 m cluster letter vide online proposal number: SIA/TN/MIN/233427/2021, dated.08.10.2021 which was granted on 30.10.2021 and it has got validity up to 16.02.2022.
5. The EC has been valid till 16.02.2022 inclusive of the COVID extension period.
6. However, the PP had applied another online application for extension of Environmental Clearance vide online proposal number – SIA/TN/MIN/241587/2021, dated. 30.11.2021 which is still under the examination of SEIAA.
7. In the meanwhile, the PP had applied for another online proposal seeking extension vide online proposal number - SIA/TN/MIN/298448/2023 Dated: 09.03.2023 and the same was called for presentation before the SEAC during its 381st Meeting held on 08.06.2023.
8. Based on the deliberations and instructions given during the SEAC meeting, the PP had agreed to withdraw online proposal number SIA/TN/MIN/63132/2021 Dated: 05.05.2021 for which ToR was granted dated: 31.01.2022 and also applied to withdraw online proposal number SIA/TN/MIN/298448/2023 dated: 09.03.2023 which is a duplicate proposal for extension of Environmental Clearance.
9. Now, the PP vide letter dated 20.06.2023 uploaded in Parivesh portal on 08.09.2023, has requested to process online proposal number


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SIA/TN/MIN/241587/2021 Dated: 30.11.2021 and to grant the confirmation for the aforesaid proposal as it attracts Clause II of the MoEF & CC Notification S.O. No. 1807 (E) Dated: 12.04.2022 & MoEF & CC Clarification O.M. Dated: 13.12.2022.

10. The PP has also made a request to issue the Environmental Clearance in lines with the O.M Dated 13.12.2022 for the Existing Environmental Clearance vide Lr. No. SEIAA-TN/F.No.4973/EC/1(a)/2881/2016 Dated: 17.02.2016 after having examined all the necessary documents & the EC (Amendment) Order Lr. No. SEIAA-TN/F.No.4973/1(a)/EC.No.2881/Amend/2016 Dated: 30.10.2021.
11. It has been observed that the Scheme of Mining plan (1st Scheme 2021-22 to 2025-26) has been approved by Director, Directorate of Geology and Mining, vide Letter No: 5226/MM4/2020 Dated 27.11.2020 for ultimate pit depth of 46 m BGL based on the performance of the quarrying carried out by the PP as stipulated below:

EC Granted quantity	Achieved quantity 2016-17 to 2020-21	Required quantity 2021-22 to 2025-26
4,610m ³ of Multi Colour Granite (ROM 23,052m ³)	3907,488m ³ of Granite (Lessor than the Approved Quantity)	23,056 m ³ of ROM (9,222m ³ of Granite @ 40% Recovery)

12. The PP submitted the EMP prepared for the Annual Peak Production Capacity and life of the mine up to lease period 2036 for 5,220m³ of ROM.
13. The letter obtained from the DFO has stated that the CNWL-ESZ boundary distance is located at a distance of 1.03 km from the boundary of the mine lease.
14. The proposed site is approximately 6.84Km from the Cauvery South Wildlife Sanctuary.

Based on the presentation and the documents furnished by the Project Proponent the SEAC directed the PP to submit (i) the copy of certified compliance report obtained from the IRO of MoEF&CC, Chennai, (ii) the geotagged photograph of thick green belt development activities carried out near the boundary of the mine lease and (iii) the S2


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(or) G2 fencing provided along the periphery of the existing quarry as per the DGMS Circular.

On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.

Agenda No: 408-02

(File No: 9873/2023)

Existing Rough stone quarry over an Extent of 2.70.34 Hectares of Patta land in S.F.Nos. 159/2(P), 159/3(P), 159/4(P), 159/5(P) and 159/16(P) of Vellar Village, Mettur Taluk, Salem District, Tamil Nadu by Thiru. P. Manjunath - Environmental Clearance for next scheme of mining. (SIA/TN/MIN/420863/2023 dated 02.08.2021)


The project proposal was earlier placed for appraisal in the 376th meeting of SEAC held on 05.05.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru. P. Manjunath has applied seeking Environmental Clearance for the existing Rough stone quarry for next scheme of mining over an Extent of 2.70.34 Hectares of Patta land in S.F.Nos. 159/2(P), 159/3(P), 159/4(P), 159/5(P) and 159/16(P) of Vellar Village, Mettur Taluk, Salem 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, as amended.
3. There are 3 nos. of existing pits at the project site with maximum depth of 38m.

On perusal of the documents furnished by the Project Proponent, the SEAC noticed that the patta of mine lease area is a joint patta and one of the survey numbers is common for this and an adjacent quarry which is under operation. Hence the Committee decided to call for the following details from the PP:

1. PP shall furnish the registered consent obtained from the other pattadars or furnish subdivided survey number for mine lease area.
2. Implications of the proposed quarrying activities on the drainage pattern of


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surface runoff and check dam located nearby.


- Slope stability Action Plan based for the existing high wall at one side of the quarry to maintain at least 10 m safety berm for the proposed working.

File No.		2023 SA/74/2024/2023/20	Category	23 EC
Mining Features of the Proposal				
1.	Name of the Owner/Firm	:	Thiru.P.Manjunath, S/o.Parthiban, No.2/4-130, Vanichampatti, Chinnappampatti, Desavilakku, Salem District	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone	
3.	S.F Nos. of the quarry site with area break-up	:	159/2(P), 159/3(P), 159/4(P), 159/5(P) and 159/16(P)	
4.	Village in which situated	:	Vellar	
5.	Taluk in which situated	:	Mettur	
6.	District in which situated	:	Salem	
7.	Extent of quarry (in ha.)	:	2.70.34 Ha - Patta Land	
8.	Latitude & Longitude of all corners of the quarry site	:	11°52'50.324" N to 11°52'58.300" N 77°59'6.145" E to 77°13'13.630" E	
9.	Topo Sheet No.	:	58-E/13	
10.	Type of mining	:	Opencast mechanized method	
11.	Life of Project	:	10 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC


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	Geological Resources m ³ (RoM)	:	Rough Stone- 1879710 m ³	-
	Minable Resources m ³ (RoM)	:	Rough Stone- 556640 m ³	-
	Annual Peak Production in m ³	:	Rough Stone- 140380 m ³	-
	Maximum Depth in m	:	71m (30m AGL+41m BGL)	
13.	Depth of water table	:	80m to 85m BGL	
14.	Man Power requirement:	:	25 Nos	
15.	Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt	:	1.5kLD 0.5 kLD 0.5 kLD	
16.	Power requirement	:	TNEB	
17.	Precise area communication approved by the Department of G&M.	:	Roc.No.947/2022/Mines-A 24.01.2023	Dated.
18.	Mining Plan approved by Department of G&M.	:	Roc.No.947/2022/Mines-B 14.02.2023.	Dated.
19.	Department of G&M, Deputy Director 500m Cluster Letter	:	Roc.No.947/2022/Mines-B 15.02.2023.	Dated.
20.	VAO Certificate Regarding Structures within 300m Radius	:	18.02.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 79,55,100/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough Stone
		:	Max Total RoM in m ³	556640 m ³


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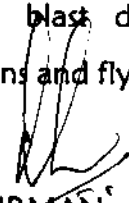
		: Annual Max RoM in m ³	140380 m ³
		: Max Depth in m	71m (30m AGL+41m BGL)
23.	EMP cost (in Rs. Lakh).	: Capital Cost: Rs. 15,96,360/- : Recurring Cost/Annum: Rs. 9,76,560 /- + 5% cost inflation from 2nd year	
24.	CER cost (in Rs. Lakh).	: Rs. 5 lakh as accepted by PP	

The PP furnished the details sought and hence the subject was taken up for discussion in this 408th meeting of SEAC held on 08.09.2023. 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 annual peak RoM production capacity not exceeding 140380 m³ of Rough stone by maintaining the ultimate depth of mining of 71m (30m AGL+41m 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 furnish a Standard Operating Procedures (SoP) which includes appointment of statutory personnel and mode of transport / storage of explosives for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
3. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock



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from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.

4. For securing the safety of persons employed in the mine, the PP shall carry out the scientific studies to assess the slope stability of the benches and existing quarry high walls within a period of six months from the date of lease execution, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, 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.
5. Since the water bodies such as canal are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of two years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, University of Madras – Centre for Environmental Studies, and Anna University Chennai-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 without any deviation.
6. The PP shall construct a dedicated embankment of at least 1.5 m height on the boundary part of the mine lease leading to the existence of the check dam to prevent the inflow of water into the pit.


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7. The proponent shall carry out the plantation in two to three rows between the embankment and mine boundary in the proposed mining area as committed before executing the lease.
8. The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site by carrying out the conservation measures meticulously.
9. As accepted by the Project Proponent the CER cost of Rs.5.0 lakh and the amount shall be spent for the committed activities at Village Government School before obtaining CTO from TNPCB.

Agenda No: 408 - 03

(File No: 9919/2023)

Existing Multi Colour Granite lease over an extent of 3.29.0 Ha at S.F.No. 1320 /2A, 1323/1B1, 1323/1B2, 1325/4B, 1325/5A1, 1325/5A2, 1325/5A3, 1325/5A4, 1325/5A5, 1325/5A6, 1325/5B1 & 1325/5B2, in Thiruthangal Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by Tvl. STANCO Traders - Environment Clearance: (SIA/TN/MIN/424980/2023 dated 06.04.2023)

The proposal was earlier placed in the 384th meeting of SEAC held on 16.06.2023. The Project Proponent gave a detailed presentation on the proposal. 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, Tvl. STANCO Traders has applied seeking Environment Clearance for 3rd scheme of mining for the existing Multi Colour Granite lease over an extent of 3.29.0 Ha at S.F.No. 1320 /2A, 1323/1B1, 1323/1B2, 1325/4B, 1325/5A1, 1325/5A2, 1325/5A3, 1325/5A4, 1325/5A5, 1325/5A6, 1325/5B1 & 1325/5B2, in Thiruthangal Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006., as amended.
3. EC Lr. No. SEIAA-TN/F.No.4887/EC/1(a)/2904/2016 dated 17.02.2016


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4. Amendment EC Lr. No. SEIAA-TN/F.No.4887/EC/1(a)/2904/2016 dated 17.02.2016

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

- i) From the presentation made by the PP, it was informed that the amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 which means that the mine boundary is changed. The PP is requested to provide the total extent and quantity of combined/amalgamated area of five leases with specifying each G.O wise.
- ii) From the presentation made by the PP, it has been observed that amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 vide Lr. No. CSZ/CNR/Granite/Perm-111(1)/32/2016/479, dated. 28.03.2017 & Lr. No. CSZ/CNR/Granite/Perm-111(1)/33/2016/484, dated. 28.03.2017. The PP shall indicate whether the permission was obtained from the Directorate of Geology and Mining to carry out the quarrying operations in a single lease as per the permission granted by the DMS, DGMS/Chennai Region from 2017 and the PP shall provide the documentary proof for the amalgamation permission obtained from the Directorate of Geology and Mining and the validity of lease period.
- iii) The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.
- iv) Based on the approved scheme of mining submitted by the proponent in Parivesh Portal, it is ascertained that the proponent has achieved a depth of 75m during the earlier EC period (2016-2021) against the approved depth of 35m. Hence, the proponent shall furnish an explanation for exceeding the approved depth and the ambiguity in the existing pit depth. The PP shall


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provide the details of any permission obtained in the form of Modified Mining Plan approved by the competent authority for carrying out the quarrying operations for a depth of 75 m under the provisions of Granite Conservation & Development Rules, 1999 and the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016.

- v) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project shall be furnished.
- vi) Further, during the presentation, proponent disclosed that AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.
- vii) The PP shall exhibit the technical justifications for proposing the depth of existing quarry to 75 m with maintaining the stability of the quarry wall in a safe manner.
- viii) The PP shall withdraw any duplicate files if already made with the SEIAA.
- ix) The PP shall disclose the details pertaining to the legal cases pending against the proposal if any.

After receipt of the above particulars, further deliberations will be done.

The subject was taken up for discussion in this 408th meeting of SEAC held on 08.09.2023 and the PP submitted the following reply:

Sl. No.	Query	Reply
1.	Amalgamation permission obtained from the Director of Mines Safety, DGMS, Chennai for combining the six Leases under Reg.111(1) of the MMR1961 which means that the mine boundary is changed. The PP is requested to provide the total extent and quantity of	Amalgamation permission for the following leases for G.O No.57, 94, 41, 33 of Stanco traders and M/s. two Gos of Standard Granites vide G.O No. 56 & 45


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	combined/amalgamated area of six leases with specifying each G.O. wise.																																																									
2.	SEAC seeks Permission letter from the Directorate of Geology and Mining to carry out the quarrying operations as single lease based on amalgamation permission granted by the DMS, DGMS/Chennai Region	No. The PP is not interested to make application to the Director of Geology and Mining, Chennai for Amalgamation of six leases as the conditions of circular by state Govt. is not satisfactory as expiry date of first lease shall be taken for all Leases of amalgamation.																																																								
3	The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.	<table border="1"> <thead> <tr> <th>YEAR</th> <th>Proposed Qty in M3 (ROM)</th> <th>Production in M3 @ 75%</th> <th>Achieved Qty in M3</th> </tr> </thead> <tbody> <tr> <td>2013-2014</td> <td>-</td> <td>-</td> <td>223.925</td> </tr> <tr> <td>2014-2015</td> <td>4,000</td> <td>3000</td> <td>3611.994</td> </tr> <tr> <td>2015-2016</td> <td>4,000</td> <td>3000</td> <td>4693.235</td> </tr> <tr> <td>2016-2017</td> <td>4,000</td> <td>3000</td> <td>4343.775</td> </tr> <tr> <td>2017-2018</td> <td>4,000</td> <td>3000</td> <td>4677.667</td> </tr> <tr> <td>Total</td> <td>16,000</td> <td>12000</td> <td>17550.596</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Year</th> <th>Bench (M³)</th> <th>Overburden / Waste (M³)</th> <th>ROM Granite (M³)</th> <th>Saleable Granite 75%</th> <th>Reject of Granite 25%</th> <th>Granite to O/B Ratio</th> </tr> </thead> <tbody> <tr> <td>2013-14</td> <td colspan="6">LAPSED MINING SCHEME PERIOD</td> </tr> <tr> <td>2014-15</td> <td>1</td> <td>809148</td> <td>4000</td> <td>3000</td> <td>1000</td> <td>1: 270.0</td> </tr> <tr> <td>2015-16</td> <td>1</td> <td>636252</td> <td>4000</td> <td>3000</td> <td>1000</td> <td>1: 212.4</td> </tr> </tbody> </table>	YEAR	Proposed Qty in M3 (ROM)	Production in M3 @ 75%	Achieved Qty in M3	2013-2014	-	-	223.925	2014-2015	4,000	3000	3611.994	2015-2016	4,000	3000	4693.235	2016-2017	4,000	3000	4343.775	2017-2018	4,000	3000	4677.667	Total	16,000	12000	17550.596	Year	Bench (M ³)	Overburden / Waste (M ³)	ROM Granite (M ³)	Saleable Granite 75%	Reject of Granite 25%	Granite to O/B Ratio	2013-14	LAPSED MINING SCHEME PERIOD						2014-15	1	809148	4000	3000	1000	1: 270.0	2015-16	1	636252	4000	3000	1000	1: 212.4
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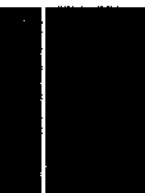



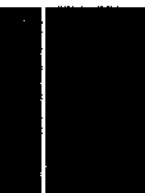



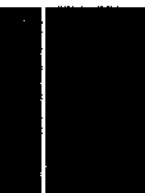


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2016	1	2341	4000	3000	1000	1: 78.3
-17		44				
2017	1	---	4000	3000	1000	1: 0.33
-18						
TOTAL		1679	16000	1200	4000	1: 140.2
		544		0		


4.	<p>Based on the approved scheme of Mining submitted by the proponent Parivesh Portal. it is ascertained that the proponent has achieved a depth of 75mtr during the earlier EC period (2016-2021) against the approved depth of 35m. Hence, the proponent shall furnish an explanation for exceeding the approved depth and ambiguity in the existing pit depth. The PP shall provide the details of any permission obtained in the form of modified mining plan approved by the competent authority for carrying out the quarrying operation for a depth of 75mtr under the provisions of Granite Conservation & Development Rules, 1999 and the Minerals (other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016.</p>	<p>The achieved depth of 67m during the EC period 2013 - 2018 against the approved depth of 75m in EC.</p> <p>No violation of depth.</p>
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5.	<p>Details of litigation pending against the project, if any, with direction/order passed by any court of law against the Project shall be furnished.</p>	<p>The District Collector Virudhunagar has issued the Demand Notice for Transport Permit excessively obtained beyond the EC Quantity Granted by SEIAA vide Letter No. SEIAA-TN/F.No.4887/EC/1(a) 2904/2016 Dated 17.02.2016.</p> <p>The PP has filed the WP No.10103/2020 against the order of the District Collector. Based on the amended EC obtained from SEIAA vide Letter No. SEIAA-TN/F.No.4887/EC/1(a) 2904/Amend/2016 Dated 18.02.2021 for ROM Quantity (74,000 M3 waste and 1000m3 production). The PP challenge the order of the district Collector Virudhunagar at Madurai Bench of Madras High Court. The issues is ROM Vs. Production as a result of changes in Percentage of Recovery. There is no change in Run of Mine (ROM) or excavated Quantity during this Period. We have obtained Transport Permit from the DD Mines Virudhunagar with in the ROM Quantity as Approved by the SEIAA vide Letter No. SEIAA-TN/F.No.4887/EC/1(a) 2904/Amend/2016 Dated 18.02.2021. This was explained to the Court by filling the Affidavit and through Argument by our Senior Advocate Based on the Amendment EC obtained from the SEIAA. Based on this The District Collector Virudhunagar Demand Notice is Set aside by the Madurai Bench of Madras High Court in WP. No. 10103/2020 Vide order Dt. 06.06.2023. the Court order has been sent to District Collector Virudhuagar for the Closure of his Demand notice.</p>								
6.	<p>Further, during the presentation, proponent disclosed that the AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.</p>	<p>Penalty by DGM, Chennai</p> <table border="1" data-bbox="638 1500 1388 1792"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.29 Lak</td> <td>700 Lak</td> <td>2000</td> <td>2000/1000</td> </tr> </table>					3.29 Lak	700 Lak	2000	2000/1000
										
3.29 Lak	700 Lak	2000	2000/1000							


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7.	The PP shall exhibit the technical justifications for proposing the depth of existing quarry to 75mtr with maintaining the stability of the quarry wall in a safe manner.	Safe benches each of 6m height and 6m width have been designed as per Reg. 106 (2) (b) of MMR,1961 and it has been approved by the DGM, Chennai.																									
8.	The PP shall withdraw any duplicate files if already made with the SEIAA.	<p>The duplicate files has been withdrawn. Details given below.</p> <table border="1" data-bbox="651 600 1412 1512"> <thead> <tr> <th>SL. No</th> <th>File No</th> <th>Previous Proposal (Standard Granites)</th> <th>Online dated:</th> <th>New Online Proposal (STANCO Traders) dated:</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9918</td> <td>SIA/TN/MIN/42062 4/2023 09.03.2023</td> <td>dated: 09.03.2023</td> <td>SIA/TN/MIN/424931/2 023 dated: 06.04.2023</td> </tr> <tr> <td>2</td> <td>9919</td> <td>SIA/TN/MIN/42036 3/2023 09.03.2023</td> <td>dated: 09.03.2023</td> <td>SIA/TN/MIN/424980/ 2023 dated: 06.04.2023</td> </tr> <tr> <td>3</td> <td>9920</td> <td>SIA/TN/MIN/421144 /2023 09.03.2023</td> <td>dated: 09.03.2023</td> <td>SIA/TN/MIN/424891/2 023 dated: 06.04.2023</td> </tr> <tr> <td>4</td> <td>9921</td> <td>SIA/TN/MIN/421342 /2023 09.03.2023</td> <td>dated: 09.03.2023</td> <td>SIA/TN/MIN/424857/ 2023 dated: 06.04.2023</td> </tr> </tbody> </table> <p>Explanation for online withdrawal</p> <p>We have submitted 4 Multicolor Granite Proposals (adjacent to each other) to SEIAA on 20.03.2023 under B2 Category for grant of Prior Environmental Clearance. While applying Parivesh portal we have used the existing user id and password belonging to the same proponent. We have uploaded the all-necessary documents in the name of STANCO Traders in portal.</p>	SL. No	File No	Previous Proposal (Standard Granites)	Online dated:	New Online Proposal (STANCO Traders) dated:	1	9918	SIA/TN/MIN/42062 4/2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424931/2 023 dated: 06.04.2023	2	9919	SIA/TN/MIN/42036 3/2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424980/ 2023 dated: 06.04.2023	3	9920	SIA/TN/MIN/421144 /2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424891/2 023 dated: 06.04.2023	4	9921	SIA/TN/MIN/421342 /2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424857/ 2023 dated: 06.04.2023
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2	9919	SIA/TN/MIN/42036 3/2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424980/ 2023 dated: 06.04.2023																							
3	9920	SIA/TN/MIN/421144 /2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424891/2 023 dated: 06.04.2023																							
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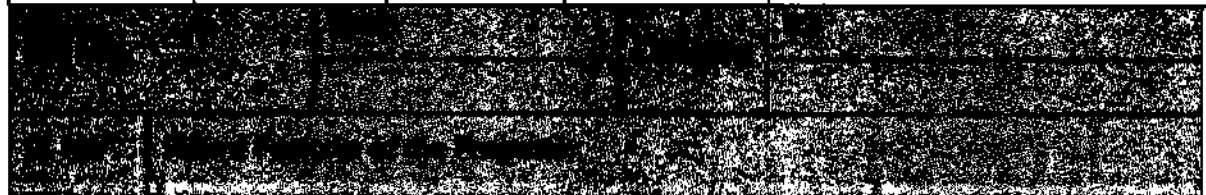
		<p>Unfortunately, the proposal was in the name of Standard Granites instead of STANCO Traders in Parivesh portal because of the existing User ID. Later we have created the new user ID, new application and upload the all-necessary documents in the name of Stanco Traders. Now, our proposal was placed in 384th SEAC Meeting, dated: 16.06.2023 for appraisal. In the Schedule it shows the previous online proposal instead of new online proposal. We kindly request you to remove previous online proposal number and place new proposal number. Please allow as to withdraw the previous application. Thank you.</p>
9.	The PP Shall disclose the details pertaining to the legal cases pending against the proposal if any.	There is no legal case pending against the PP.

ROM	Not mentioned in EC	5000 m ³	20,340m ³	<p>As against the quantity of 5000m³, actual mined quantity was 20,340m³. For the excess quantity mined, the Dept. of G&M has levied a penalty of Rs. 2,06,16,262. the PP has not paid the penalty, and challenged in the High Court of Madurai Bench and the Bench has allowed the petition on the ground of natural justice. However, the mined quantity is within the EC ROM quantity (75000 m3).</p>
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Saleable Granite	1000m ³	1000 m ³	4067.995m ³	20%
Depth	75m	75m	75m	
Amended EC	ROM: 75,000 cu.m (Recoverable reserve: 1000 cu.m and Granite waste: 74,000 cu.m)	ROM: 75,000 cu.m (Recoverable reserve: 1000 cu.m and Granite waste: 74,000 cu.m)	Granite production: 4067.995 m ³ Granite reject: 16,272 cu.m	



1.	Name of the Owner/Firm	:	Tvl. STANCO Traders No.5-2-15C, Sattur Post Box No 299, Sivakasi Taluk, Virudhunagar District-626123
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Multi Colour Granite
3.	S.F Nos. of the quarry site with area break-up	:	S.F.Nos. 1320 /2A, 1323/1B1, 1323/1B2, 1325/4B, 1325/5A1, 1325/5A2, 1325/5A3, 1325/5A4, 1325/5A5, 1325/5A6, 1325/5B1 & 1325/5B2
4.	Village in which situated	:	Thiruthangal


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5.	Taluk in which situated	:	Sivakasi
6.	District in which situated	:	Virudhunagar
7.	Extent of quarry (in ha.)	:	3.29.0 Ha – Patta land
8.	Latitude & Longitude of all corners of the quarry site	:	9°28'24.94"N to 9°28'33.82"N 77°47'47.35"E to 77°48'1.59"E
9.	Topo Sheet No.	:	58 G/15
10.	Type of mining	:	Open cast mechanized mining
11.	Life of Project	:	5 years
	Lease Period	:	20 years (valid up to 07.07.2028)
	Mining Plan Period	:	5 years (2023-24 to 2027-28)
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	Multi Colour granite - 71988 m ³
	Minable Resources m ³ (RoM)	:	Multi Colour granite - 67698 m ³
	Annual Peak Production in m ³	:	Multi Colour granite – 14820 m ³
	Ultimate Depth in meters	:	105m BGL
13.	Depth of water table	:	60-70m
14.	Man Power requirement per day:	:	20 Nos.
15.	Water requirement:		4.5 kLD
	4. Drinking water	:	1.0 kLD
	5. Dust suppression	:	2.0 kLD
	6. Green belt	:	1.5 kLD


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16.	Power requirement		TNEB for domestic actiity DG set for industrial actiity	
17.	Precise area communication approved by the AD/DD Dept. of Geology & Mining	:	G.O.(3D) No.33 Industries (MMB-II) Dept. Dated:09.06.2008	
18.	Mining Plan approved by AD/DD. Dept. of Geology & Mining	:	Rc.No.3685/MM2/2022 Dated:14.02.2023	
19.	500m Cluster Letter issued by AD/DD. Dept. of Geology & Mining		Rc.No.KV1/564/2018, Dated:02.03.2023	
20.	VAO Certificate regarding Structures within 300m Radius		Letter Dated: 17.03.2023	
21.	Project Cost (excluding EMP cost)	:	Rs.80 Lakh	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:	RoM	
		:	Max Total RoM in m ³	67698
		:	Annual Max RoM in m ³	14820
:	Max Depth in mtrs	105m BGL		
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs.6,55,000/- Recurring cost/Annum– Rs. 6,51,000 /- +5% cost of inflation every year	
24.	CER cost (in Rs. Lakh).	:	Rs. 20 Lakh as accepted by the PP	

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 annual peak RoM production capacity not exceeding 14820 m³ of RoM by maintaining



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the ultimate depth of mining of 105m 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) Due to high level mechanization and deep mine working conditions, the PP shall appoint a Mine Manager possessing First Class Mines Manager Certificate of Competency under MMR 1961 and a Geologist for carrying out the quarrying operations scientifically & systematically, before the execution of lease in the office of District Magistrate.
- 3) The proponent shall provide the particulars for carrying out the plantation of 2040 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.
- 4) For securing the safety of persons employed in the mine, the PP shall carry out the scientific studies to assess the slope stability of the existing quarry high wall benches and proposed working benches, and the existing overburden / waste dump to spell out the mitigation measures in stabilizing both highwall benches and dump slopes along with the strata monitoring including dump monitoring to provide real time information about the loads and strains on benches and dumps under the provisions of the MMR 1961 within a period of six months from the date of lease execution, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, 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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- 5) Since the proposed quarrying operation impacts the ground water level as indicated in the EIA Report, the PP shall carry out the scientific studies to assess the presence of geological disturbances in the hydrogeological condition of the quarry within a period of six months from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, University of Madras – Centre for Environmental Studies, and Anna University Chennai- 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 without any deviation.
- 6) In addition to the Internal Safety Audit, the PP shall ensure that the mine should also be annually audited by involving any one of these reputed external agencies - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT (ISM), Dhanbad, National Safety Council of India (NSC), Navi Mumbai and Dept of Mining Engg -Anna University, Chennai for detecting any unsafe condition/practice prevalent in the mine. 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.
- 7) The PP shall ensure that the fencing is completed in all aspects before obtaining the CTO from the TNPCB.
- 8) As accepted by the Project Proponent the CER cost of Rs.20.0 lakh and the amount shall be spent for the committed activities at Village Government School before obtaining CTO from TNPCB.

Agenda No: 408 - 04

File No: 8859/2023

Proposed Rough Stone & Gravel quarry lease over an extent of 2.25.5 ha in S.F. No. 114/1A, 115/1B & 115/2 at Kodangipalayam Village, Palladam Taluk, Tiruppur District,


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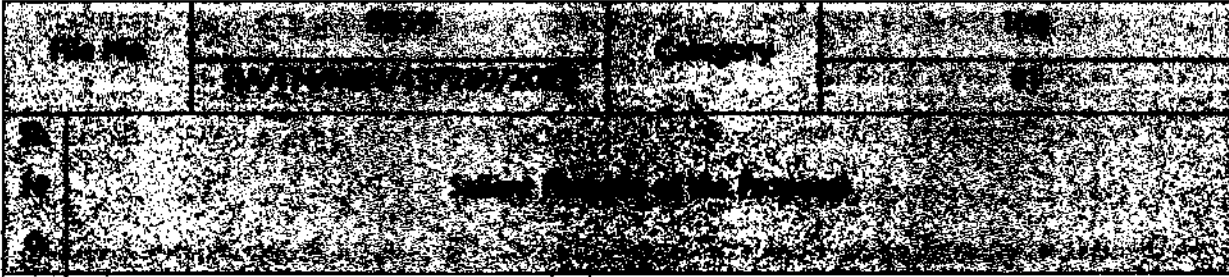
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Tamil Nadu by Thiru. M.Venkatesh - For Environmental Clearance.
(SIA/TN/MIN/437289/2023, Dated: 19.07.2023)

The proposal was placed in this 408th SEAC meeting held on 08.09.2023. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, Thiru. M.Venkatesh has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 2.25.5 ha in S.F. No. 114/1A, 115/1B & 115/2 at Kodangipalayam Village, Palladam Taluk, Tiruppur 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. Earlier EC issued vide Ec. No: Lr.No. SEIAA-TN/F.No.3702/EC/1(a)/2183/2015, Dated:13.10.2015.
4. CCR obtained from IRO, MoEF&CC vide CCR. Letter No. E.P/12.1/2023-24/SEIAA/72/TN/968, Dated: 09.08.2023.
5. ToR issued vide Lr No. SEIAA-TN/F.No.8859/SEAC/ToR-I 1212021 Dated:23.03.2022.


	
1	Name of the Owner/Firm : Thiru. M. Venkatesh S/o. Mani, No. 3/532, Karanampettai, Kodangipalayam Palladam Taluk, Tiruppur District - 641662.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) : Rough Stone and Gravel Quarry


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3	S.F Nos. of the quarry site with area break-up	:	S.F.No. 114/1A,115/1B & 115/2	
4	Village in which situated	:	Kodangipalayam	
5	Taluk in which situated	:	Palladam	
6	District in which situated	:	Tiruppur	
7	Extent of quarry (in ha.)	:	2.25.5ha	
8	Latitude & Longitude of all corners of the quarry site	:	11°01'26.88"N to 11°01'31.04"N 77°11'44.03"E to 77°11'51.66"E	
9	Topo Sheet No.	:	58 – E/04	
10	Type of mining	:	Opencast Mechanized Mining	
11	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone – 7,18,956m ³	Rough Stone – 7,18,956m ³
				Gravel- 17,664m ³
	Mirable Resources m ³ (RoM)	:	Rough Stone – 1,17,664m ³	Rough Stone – 1,02,735m ³
				Gravel - 8,174m ³
	Annual Peak Production in m ³	:	Rough Stone – 29,803m ³	Rough Stone – 27,389m ³
			Gravel - 4,270m ³	Gravel - 4,270m ³
	Ultimate Depth in meters	:	52m bgl	47m bgl
13	Depth of water table	:	73 in rainy & 78m in summer seasons	
14	Man Power requirement per day:	:	19 Nos.	
15	Water requirement: Drinking water Dust suppression	:	4.5 KLD KLD 2.0 KLD	


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	Green belt		1.5 KLD		
16	Power requirement		500 liters of HSD/day		
17	Precise area communication approved by the Assistant Director, Dept of Geology and Mining with date	:	Na.Ka.No. 557/Kanimam/2021, dated: 15.06.2021.		
18	Mining Plan approved by the Deputy Director, Dept of Geology and Mining with date	:	R.c.No.557/2021/Mines, dated: 02.07.2021.		
19	500m cluster letter issued by the Deputy Director, Dept of Geology and Mining with date		R.c.No.557/2021/Mines, dated: 02.07.2021.		
20	VAO Certificate Regarding Structures within 300m Radius		Letter dated: 23.01.2021.		
21	Project Cost (excluding EMP cost)	:	Rs. 2,45.65.000		
22	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total RoM in m ³	1.02.735 m ³	8.174m ³
		:	Annual Max RoM in m ³	27,389 m ³	4.270m ³
:	Max Depth in mtrs	47m below ground level			
23	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 25,81,850/- Recurring Cost – Rs. 14,07,771/-		
24	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-		


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25	ToR Issued Details	Lr.No.SEIAA-TN.8859/SEAC/ToR-1121/2021 dated: 23.03.2022.
26	Public Hearing Conducted on	18.05.2023.
27	EIA Report Submitted on	27.07.2023.

Now, the proposal was placed in the 408th SEAC meeting held on 08.09.2023. 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 annual peak production capacity of not exceeding an annual peak production of 27,389m³ of Rough Stone by maintaining the ultimate depth of mining up to 47m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall install fencing around the abandoned pits situated near the proposed project area in order to ensure safety before the execution of the lease.
3. Since the Gas Pipelines are situated within a radial distance of 300 m, the PP shall carry out the scientific studies within a period of six months from the date of lease execution, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT(ISM)-Dhanbad, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.


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4. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
5. As accepted by the Project Proponent the CER cost of Rs. 8 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Karanampettai Village, Palladam Taluk, Tiruppur District before obtaining CTO from TNPCB.

Agenda No: 408 - 05

(File No: 10004/2023)

Proposed Rough Stone & Gravel Quarry lease over an extent of 2.29.0 Ha at S.F. Nos. 89/1A (PART) of Ponnamangalam Village, Tirumangalam Taluk, Madurai District, Tamil Nadu by Thiru. M. Vasanthkumar - For Environmental Clearance. (SIA/TN/MIN/426169/2023, Dated: 21.04.2023)

The proposal is placed in 408th SEAC meeting held on 08.09.2023. 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 Proponent, Thiru. M. Vasanthkumar has applied for Environmental Clearance for the proposed Rough Stone & Gravel Quarry lease over an extent of 2.29.0 Ha at S.F. Nos. 89/1A (PART) of Ponnamangalam Village, Tirumangalam Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed in 388th SEAC meeting held on 30.06.2023.

Based on the presentation and document furnished by the proponent, SEAC noted that


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1. The proponent had obtained 500m cluster certificate from AD/Mines vide Roc. No. 04/Mines/2023-2 Dated: 21.03.2023 as below

a. Existing Quarries

S. No.	Name of the Owner	Village	S.F.No.	Extent (in Hects)	Collector's Proceedings No & date	Lease period
1.	Vetrivel. I	Ponnamangalam	89/1B (Part), 90/8 (Part)	2.20.0	Roc. No. 797/2021, Dt: 14.02.2023	01.03.2023 to 29.02.2028

b. Expired/Abandoned Quarries

S. No.	Name of the Owner	Village	S.F.No.	Extent (in Hects)	Collector's Proceedings No & date	Lease period

c. Present Proposed Quarries

S. No.	Name of the Owner	Village	S.F.No.	Extent (in Hects)
1.	S. Vasanthakumar	Ponnamangalam	89/1A (Part)	2.29.0

2. Based on the perusal of our office records, it is ascertained that the lessee I. Vetrivel had earlier obtained Environmental Clearance vide Lr. No. SEIAA-TN/F.No.9448/EC. No:5453/2022, Dated: 14.12.2022.
3. Upon the scrutiny of F.No. 9448 vide online number SIA/TN/MIN/288754/2022, dated 22.08.2022, it is ascertained that the proponent had obtained 500m cluster radius from AD/ Mines vide Roc. No.797/Mines/2021 Dated: 22.07.2022 as below

a. Existing quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare	Collector's Proceedings No & date	Lease period


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1	Vetrivel. I	J. Alangulam	1/1 (Part)	1.21.5	Roc.No.430/2018 Dt 26.02.2019	08.03.2019 to 07.03.2024
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b. Expired quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare	Collector's Proceedings No & date	Lease period
1.	Tvl. Patel KNR (JV)	J. Alangulam	50/1. 50/5. 50/6. 50/7. 50/8. 50/9. 4/1. 4/2. 4/3. 4/4. 3/2A. 3/2B	4.63.5	Roc.No.747/ 2008 Dt 28.08.2008	28.08.200 8 to 27.08.200 9
2	Vetrivel. I	J. Alangulam	2/2A. 2/2C1. A. 2/C1B.5 /4. 5/5A & 5/5B	6.33.0	Roc.No.104 2/2008 Dt 13.06.2009	02.07.200 9 to 01.07.201 4

c. Abandoned quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare	Collector's Proceedings No & date	Lease period	Remarks
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1	Vetrivel. 1	J. Alangulam	2/2C1A & 2/2C1B	2.25.5	Roc.No.373/ 2014 Dt 24.12.2015	24.12.2015 to 23.12.2020	Abandoned quarry (Lease expired on 23.12.2020 further quarrying is not feasible in this area)
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d. Present proposed quarries

S. No.	Name of the owner	Village	S.F.No.	Extent in Hectare
1	Vetrivel. I	Ponnamangalam	89/1B (Part), 90/8 (Part)	2.20.0

4. Based on the above, it is ascertained that mine lease pertaining to SF No. 89/1B (P), 90/8 (P) with an extent of 2.20.0 Ha is within 500m of the mine lease pertaining to SF No. 1/1 (P) with an extent of 1.21.5 Ha as per 500m cluster certificate obtained vide Roc. No.797/Mines/2021 Dated: 22.07.2022.
5. Further, the proposed mine lease area pertaining to SF No. 89/1A (P) with an extent of 2.29.0 Ha comes within 500m of the mine lease pertaining to SF No. 89/1B (P), 90/8 (P) with an extent of 2.20.0 Ha based on the 500m cluster certificate obtained from AD/Mines vide Roc. No. 04/Mines/2023-2 Dated: 21.03.2023.
6. Since, the mine lease area pertaining to SF No. 89/1B (P), 90/8 (P) with an extent of 2.20.0 Ha comes within 500m of mine lease area pertaining to SF No. 1/1 (P) with an extent of 1.21.5 Ha, the proposed mine lease area pertaining to SF No. 89/1A (P) has to be considered as part of above-mentioned cluster.
7. Hence, the cluster area to be calculated must include mine lease area pertaining to SF No. 1/1 (P), SF No. 89/1B (P), 90/8 (P) and SF No. 89/1A (P). Subsequently, the cluster area shall be


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S. No.	Survey Number	Extent in Ha
1.	SF No. 89/1B (P), 90/8 (P)	2.20.0 Ha
2.	SF No. 1/1 (P)	1.21.5 Ha
3.	SF No. 89/1A (P)	2.29.0 Ha
	Total	5.70.5 Ha

Hence, based on the above facts and documents furnished, SEAC decided to call for additional details,

1. The proponent shall furnish the revised 500m cluster certificate obtained from the competent authority by indicating the list of Existing, Abandoned and Proposed Quarries in the lease area.
2. The PP shall enumerate the existence of structures/houses/buildings/water bodies located within 50m, 100m, 150m, 200m, 300m, 500m along with the details of inhabitants and nature of construction of the buildings/structures.
3. The PP shall furnish the haulage route for the transportation of mineral from the quarry site after having studied the traffic volume.
4. The proponent shall revise the EMP Budget based on the life of project.
5. The proponent shall furnish the slope stability action plan accommodating the benches and haul roads/ramps intact for the proposed quarry for the life of the project.

Now, the proposal was again placed in the 408th SEAC meeting held on 08.09.2023. During the presentation, it has been justified that the proposed quarry falls under cluster situation, the PP is requested to obtain a revised 500m cluster certificate from the competent authority by indicating the list of Existing, Abandoned and Proposed Quarries in the lease area. Further the PP is hereby instructed to apply for ToR under B1 Category with all relevant documents.

Agenda No: 408 - 06
(File No: 9920/2023)


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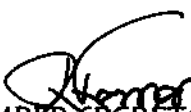

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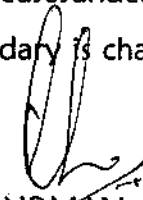
Proposed Multi colour Granite Quarry lease over an extent of 4.41.0 Ha at S.F.Nos. 1332/1, 1332/2A, 1332/2B, 1324/1, 1325/1, 1327/2A, 1327/2B1 & 1327/2B2 of Thiruthangal Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by Tvl. Stanco Traders Granite Division - For Environmental Clearance. (SIA/TN/MIN/424891/2023, Dated: 06.04.2023)

The proposal is placed in 408th SEAC meeting held on 08.09.2023. 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 Proponent, Tvl. Stanco Traders Granite Division has applied for Environmental Clearance for the proposed Multi colour Granite Quarry lease over an extent of 4.41.0 Ha at S.F.Nos. 1332/1, 1332/2A, 1332/2B, 1324/1, 1325/1, 1327/2A, 1327/2B1 & 1327/2B2 of Thiruthangal Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 20 years. As per the scheme of mining the production for 5 years not to exceed ROM – 96,657 m³, saleable multi-colour granite @ 40% recovery – 38,663 m³ and Granite Reject @ 60% - 57,994 m³ to an ultimate depth of Mining 103m below ground level.
4. Earlier, EC was accorded to the project proponent vide Lr. No. SEIAA-TN/F.No.4656/EC/1(a)/2907/2016 dated: 17.02.2016 for a quantity of 24908 m³ of multi-colour granite up to a depth of 35m with a maximum validity of 5 years.
5. Earlier, the proposal was placed in 384th SEAC meeting held on 16.06.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent:
 - i) From the presentation made by the PP, it was informed that the amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 which means that the mine boundary is changed.


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The PP is requested to provide the total extent and quantity of combined/amalgamated area of five leases with specifying each G.O wise.

- ii) From the presentation made by the PP, it has been observed that amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 vide Lr. No. CSZ/CNR/Granite/Perm-111(1)/32/2016/479, dated. 28.03.2017 & Lr. No. CSZ/CNR/Granite/Perm-111(1)/33/2016/484, dated. 28.03.2017. The PP shall indicate whether the permission was obtained from the Directorate of Geology and Mining to carry out the quarrying operations in a single lease as per the permission granted by the DMS, DGMS/Chennai Region from 2017 and the PP shall provide the documentary proof for the amalgamation permission obtained from the Directorate of Geology and Mining and the validity of lease period.
- iii) The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.
- iv) Based on the approved scheme of mining submitted by the proponent in Parivesh Portal, it is ascertained that the proponent has achieved a depth of 79m during the earlier EC period (2016-2021) against the approved depth of 35m. Further, during the meeting proponent disclosed that existing pit is 90m and subsequently, in presentation existing maximum pit depth mentioned was 103m. Hence, the proponent shall furnish an explanation for exceeding the approved depth and the ambiguity in the existing pit depth. The PP shall provide the details of any permission obtained in the form of Modified Mining Plan approved by the competent authority for carrying out the quarrying operations for a depth of 103 m under the provisions of Granite Conservation & Development Rules, 1999


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and the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016.

v) As per the scheme of mining approval letter issued vide Rc.No.3687/MM2/2022 Dated: 10.02.2023, it is ascertained that

"...The Lessee has an undertaking vide Sworn affidavit dated 08.02.2023 to the effect that he shall abide by the final orders of the Hon'ble Madurai Bench of Madras High Court in W.P.No.10106/2020 regarding the compensation for E.C. Violation"

Hence, the proponent shall furnish complete details regarding the pending court case at Madurai bench of Madras High Court.

vi) Further, during the presentation, proponent disclosed that AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.

vii) The PP shall exhibit the technical justifications for increasing the depth of existing quarry to 103 m with maintaining the stability of the quarry wall in a safe manner.

viii) The PP shall withdraw any duplicate files if already made with the SEIAA.

ix) The PP shall disclose the details pertaining to the legal cases pending against the proposal if any.

After receipt of the above particulars, further deliberations will be done.

1.	Amalgamation permission obtained from the Director of Mines Safety, DGMS, Chennai for combining the six Leases under Reg.111(1) of the MMR1961 which means that the mine boundary is changed. The PP is requested to	Amalgamation permission for the following leases for G.O No.57, 94, 41, 33 of Stanco traders and M/s. two Gos of Standard Granites vide G.O No. 56 & 45


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	provide the total extent and quantity of combined/amalgamated area of six leases with specifying each G.O.wise.																																											
2.	SEAC seeks Permission letter from the Directorate of Geology and Mining to carry out the quarrying operations as single lease based on amalgamation permission granted by the DMS, DGMS/Chennai Region	No. The PP is not interested to make application to the Director of Geology and Mining, Chennai for Amalgamation of six leases as the conditions of circular by state Govt. is not satisfactory as expiry date of first lease shall be taken for all Leases of amalgamation.																																										
3	The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.	<table border="1"> <thead> <tr> <th>YEAR</th> <th>Proposed Qty in M³ ROM</th> <th>Production in M³ @75%</th> <th>Achieved Qty in CBM</th> </tr> </thead> <tbody> <tr> <td>2013-2014</td> <td>-</td> <td>-</td> <td>9831.231</td> </tr> <tr> <td>2014-2015</td> <td>11999</td> <td>9000</td> <td>5223.986</td> </tr> <tr> <td>2015-2016</td> <td>12000</td> <td>9000</td> <td>9654.844</td> </tr> <tr> <td>2016-2017</td> <td>17260</td> <td>12945</td> <td>20227.970</td> </tr> <tr> <td>2017-2018</td> <td>17250</td> <td>12938</td> <td>15283.262</td> </tr> <tr> <td>Total</td> <td>58509</td> <td>43883</td> <td>60,221.293</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Year</th> <th>Bench (m³)</th> <th>Overburden (m³)</th> <th>ROM Granite (m³)</th> <th>Saleable Granite (m³) 75%</th> <th>Reject of Granite 25%</th> <th>Granite to O/B Ratio</th> </tr> </thead> <tbody> <tr> <td>2013-14</td> <td colspan="6">Lapsed Period</td> </tr> </tbody> </table>	YEAR	Proposed Qty in M ³ ROM	Production in M ³ @75%	Achieved Qty in CBM	2013-2014	-	-	9831.231	2014-2015	11999	9000	5223.986	2015-2016	12000	9000	9654.844	2016-2017	17260	12945	20227.970	2017-2018	17250	12938	15283.262	Total	58509	43883	60,221.293	Year	Bench (m ³)	Overburden (m ³)	ROM Granite (m ³)	Saleable Granite (m ³) 75%	Reject of Granite 25%	Granite to O/B Ratio	2013-14	Lapsed Period					
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		2014 -15	1	1406	1199 9	9000	3000	1: 1.0
		2015 -16	1	19296	120 00	9000	3000	1: 1.0
		2016 -17	1	9798	172 60	1294 5	4315	1: 1.0
		2017 -18	1	----	172 50	1293 8	4312	1: 1.0
		TOTAL		30500	585 09	4388 3	14626	1: 1.0
4.	<p>Based on the approved scheme of Mining submitted by the Proponent Parivesh Portal, It is ascertained that the proponent has achieved a depth of 79m during the earlier EC period (2016-2021) against the approved depth of 35m. Further, during the meeting proponent disclosed that existing pit is 90m and subsequently, in presentation existing maximum pit depth mentioned was 103m. Hence, the proponent shall furnish an explanation for exceeding the approved depth and the ambiguity in the existing pit depth. The PP shall provide the details of any permission obtained in the form of Modified Mining Plan approved by the competent authority for carrying out the quarrying operations for a depth of 103 m</p>	<p>The EC was granted vide Letter No. SEIAA-TN/F.No.4656/EC/1(a) 2907/2016 Dated 17.02.2016 for 35mtr depth based on the expired Approved Mining Plan for the period 2003-2008 when application made in 2016.</p> <p>The actual depth during second scheme of mining is 87m in 2013.</p>						


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	<p>under the provisions of Granite Conservation & Development, Rules, 1999 and the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016.</p>	
<p>5.</p>	<p>As per the scheme of mining approval letter issued vide Rc.No.3687/MM2/22 Dated: 10.02.2023. it is ascertained that "...The Lessee has an undertaking vide sworn affidavit dated 08.02.2023 to the effect that he shall abide by the final orders of the Hon'ble Madurai Bench of Madras High Court in W.P.No.10106/2020 regarding the Compensation for E.C. Violation"</p> <p>Hence, the proponent shall furnish complete details regarding the pending court case at Madurai bench of Madras High Court.</p>	<p>The District Collector Virudhunagar has issued the Demand Notice for Transport Permit excessively obtained beyond the EC Quantity Granted by SEIAA vide Letter No. SEIAA-TN/F.No.4656/EC/1(a) 2907/2016 Dated</p> <p>The PP has filed the WP No.10106/2020 against the order of the District Collector. Based on the amended EC obtained from SEIAA vide Letter No. SEIAA-TN/F.No.4656/EC/1(a) 2907/Amend/2016 Dated 18.02.2021 for ROM Quantity (Granite Production: 24908 m³ & Granite waste :92483=117391m³).</p> <p>The PP challenge the order of the district Collector Virudhunagar at Madurai Bench of Madras High Court. The issue is ROM Vs Production as a result of changes in Percentage of Recovery. There is no change in Run of Mine (ROM) or excavated Quantity during this Period. We have obtained Transport Permit from the DD Mines Virudhunagar within the ROM Quantity as Approved by the SEIAA vide Letter No. SEIAA-TN/F.No.4656/EC/1(a) 2907/Amend/2016 Dated 18.02.2021. This is explained to the Court by filing the Affidavit and through Argument by our Senior Advocate Based on the Amendment EC obtained from the SEIAA. Based on this The District Collector Virudhunagar Demand Notice is Set aside by the Madurai Bench of Madras High Court in WP. No. 10106/2020 Vide order Dt. 06.06.2023. the Court order has been sent to District Collector Virudhunagar for the Closure of his Demand notice (Copy of Madurai Bench of Madras High Court order dated 06.06.2023 Enclosed)</p>


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6.	Further, during the presentation, proponent disclosed that the AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.	 																
7.	The PP shall exhibit the technical justifications for proposing the Depth of existing Quarry to 103mtr with maintaining the stability of the quarry wall in a safe manner.	Safe benches each of 6m height and 6m width have been designed as per Reg. 106 (2) (b) of MMR,1961 and it has been approved by the DGM, Chennai.																
8.	The PP shall withdraw any duplicate files if already made with the SEIAA.	<p>The duplicate files has been withdrawn. Details given below.</p> <table border="1" data-bbox="726 891 1388 1803"> <thead> <tr> <th>SL. No</th> <th>File No</th> <th>Previous Online Proposal (Standard Granites)</th> <th>New Online Proposal (STANCO Traders)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9918</td> <td>SIA/TN/MIN/42 0624/2023 dated: 09.03.2023</td> <td>SIA/TN/MIN/42 4931/2023 dated: 06.04.2023</td> </tr> <tr> <td>2</td> <td>9919</td> <td>SIA/TN/MIN/42 0363/2023 dated: 09.03.2023</td> <td>SIA/TN/MIN/42 4980/2023 dated: 06.04.2023</td> </tr> <tr> <td>3</td> <td>9920</td> <td>SIA/TN/MIN/42 1144/2023 dated: 09.03.2023</td> <td>SIA/TN/MIN/42 4891/2023 dated: 06.04.2023</td> </tr> </tbody> </table>	SL. No	File No	Previous Online Proposal (Standard Granites)	New Online Proposal (STANCO Traders)	1	9918	SIA/TN/MIN/42 0624/2023 dated: 09.03.2023	SIA/TN/MIN/42 4931/2023 dated: 06.04.2023	2	9919	SIA/TN/MIN/42 0363/2023 dated: 09.03.2023	SIA/TN/MIN/42 4980/2023 dated: 06.04.2023	3	9920	SIA/TN/MIN/42 1144/2023 dated: 09.03.2023	SIA/TN/MIN/42 4891/2023 dated: 06.04.2023
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		<table border="1"> <tr> <td>4</td> <td>9921</td> <td>SIA/TN/MIN/42 1342/2023 dated: 09.03.2023</td> <td>SIA/TN/MIN/42 4857/2023 dated: 06.04.2023</td> </tr> </table>	4	9921	SIA/TN/MIN/42 1342/2023 dated: 09.03.2023	SIA/TN/MIN/42 4857/2023 dated: 06.04.2023
4	9921	SIA/TN/MIN/42 1342/2023 dated: 09.03.2023	SIA/TN/MIN/42 4857/2023 dated: 06.04.2023			
		<p>Explanation for online withdrawal</p> <p>We have submitted 4 Multicolor Granite Proposals (adjacent to each other) to SEIAA on 20.03.2023 under B2 Category for grant of Prior Environmental Clearance. While applying Parivesh portal we have used the existing user id and password belonging to the same proponent. We have upload the all necessary documents in the name of STANCO Traders in portal. Unfortunately the proposal was in the name of Standard Granites instead of STANCO Traders in Parivesh portal because of the existing User ID. Later we have created the new user ID, new application and upload the all necessary documents in the name of Stanco Taders. Now, our proposal was placed in 384th SEAC Meeting, dated: 16.06.2023 for appraisal. In the Schedule it shows the previous online proposal instead of new online proposal. We kindly request you to remove previous online proposal number and place new proposal number. Please allow as to withdraw the previous application. Thank you.</p>				
9.	The PP shall disclose the details pertaining to the legal cases pending against the proposal if any.	There is no legal case pending against the PP.				

Further, the SEAC noted the following from the presentation made by the PP.

	As per BOM	As per the AEP	Activity Addressed	Remarks


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ROM	Not Mentioned in the EC	33,211 m ³	47,255.673m ³	As against the quantity of 33,211m ³ actual mined quantity was 47,255.673m ³ for the excess quantity mined, the Dept. of G&M has levied a penalty of Rs. 4,59,41,445. the PP has not paid the penalty, and challenged in the High Court of Madurai Bench and the Bench has allowed the petition on the ground of natural justice. However, the mined quantity is within the EC ROM quantity (1,17,391m ³)
Saleable Granite	24,908m ³	24,908m ³	47,255.673m ³	
Depth	35m	35m	79m bgl. 103m from hill top	
Amended EC	ROM: 1,17,391m ³ (Granite Waste - 92483m ³ , Recoverable Reserves: 24908m ³)	ROM: 1,17,391m ³ (Granite Waste - 92483m ³ , Recoverable Reserves: 24908m ³) -	Granite production: 47,255.673m ³ Granite reject: 11,814m ³	


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Now, the proposal was again placed in the 408th SEAC meeting held on 08.09.2023. Based on the above details furnished by the project proponent, it was ascertained that the proponent had mined out up to a depth of 79m BGL, 103m (from hill top) against the earlier EC approved depth of 46m.


1. As per MoEF & CC Notification S.O. 804 (E) dated 14.03.2017,

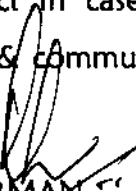
"In case the project or activities requiring prior Environmental Clearance under EIA Notification 2006 from the concerned Regulatory Authority are brought for Environmental Clearance after starting the construction work, or have undertaken expansion, modernization and change in product-mix without prior EC, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted Environmental Clearance by the SEIAA constituted under sub-section(3) section 3 of the Environment (Protection) Act 1986 shall be appraised for grant of Environmental Clearance only by the concerned Expert Appraisal Committee and Environmental Clearance will be granted accordingly".

In the present case, the proponent has exceeded the depth beyond the limit specified in the prior EC issued and has therefore violated the provisions of EC dated.17.02.2016.

Therefore, in view of the above & based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and ToR given in Annexure-I, the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 for the project in case of assessment of Ecological damage, remediation plan and natural & community


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resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1996, accredited by NABET or a Laboratory of council of Scientific and industrial research institutions working in the field of environment..

2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
 - 3 The proponent shall withdraw the pending EC application SIA/TN/MIN/421144/2023 dated: 09.03.2023 (9920/2022) from PARIVESH Portal.
 - 4 The PP shall furnish letter from AD, mines including the following details,
 - Existing pit dimension through precise mine surveying (DGPS)
 - Quantity achieved Vs EC Approved Quantity
 - Balance Quantity as per Mineable Reserve calculated.
 - Mined out Depth as on date Vs EC Permitted depth
 - Details of illegal/illicit mining carried out in the proposed quarry site
 - Violation in the quarry during the past working.
 - Quantity of material mined out outside the mine lease area
 - Condition of Safety zone/benches as on date
- (i) The project proponent besides above must submit the No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957.
- (ii) Copy of total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.


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(iii)The SEAC also recommends that SEIAA may look into any other legal and regulatory issues that are applicable before issuing the post mining EC.

Agenda No: 408-07

(File No.6109/2022)

Existing Magnesite Mine lease over an extent of 2.56.9 Ha in S.F.No. 36 (Part) of Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. G.Rajkumar (Proprietor M/s. Universal Mining Corporation) for Environmental Clearance under 'violation category'. (SIA/TN/MIN/437204/2023 dated: 18.07.2023.)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. 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. G. Rajkumar (Proprietor M/s. Universal Mining Corporation) has applied for Environmental Clearance under violation Category for the Existing Magnesite Mine lease over an extent of 2.56.9 Ha in S.F.No. 36 (Part) of Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation category was issued to the project proponent vide Lr.No. SEIAA-TN/F.No.6109/ToR-370/2018 Dated: 22.05.2018.
4. Public hearing was conducted on 26.02.2021.
5. Extension of ToR validity was issued vide Lr.No.SEIAA-TN/F.No.6109/ ToR-370 Ext/ dated.26.11.2022.
6. The project proponent submitted the EC application along with the EIA Report in the PARIVESH Portal on 18.07.2023.

During the meeting, the SEAC decided to defer the proposal as the PP wanted time to submit more information.

Agenda No: 408-08

(File No.6137/2023)


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Existing Magnesite Mine lease over an extent of 2.57.0 Ha in S.F.No. 77 of Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. G.Pasupathi (Proprietor M/s. Sudharshaan Mining Corporation) for Environmental Clearance under 'violation category'. (SIA/TN/MIN/437134/2023 dated: 18.07.2023.) The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. 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. G.Pasupathi (Proprietor M/s. Sudharshaan Mining Corporation) has applied for Environmental Clearance under violation Category for the Existing Magnesite Mine lease over an extent of 2.57.0 Ha in S.F.No. 77 of Kondappanaickenpatty Village, Salem Taluk, Salem District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation category was issued to the project proponent vide Lr No. SEIAA-TN/F.No.6137/TOR-399/2018 Dated: 16.05.2018.
4. Public hearing was conducted on 26.02.2021.
5. Extension of ToR validity was issued vide Lr.No.SEIAA-TN/F.No.6137/ ToR-399 Ext/ dated.12.11.2022.
6. The project proponent submitted the EC application along with the EIA Report in the PARIVESH Portal on 18.07.2023.

During the meeting, the SEAC decided to defer the proposal as the PP wanted time to submit more information.

Agenda No: 408-09
(File No.8118/2023)

Proposed Rough Stone Quarry Lease over an extent of 1.00.0 Ha at S.F.No. 158/1 (Part-2) (Bit-1) of Periyagoundapuram Village, Vazhapadi Taluk, Salem District, Tamil Nadu by Thiru. C. Vijayakumar - for Environmental Clearance (SIA/TN/MIN/436891/2023 dated: 16.07.2023)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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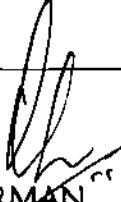

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The SEAC noted the following:


1. The project proponent Thiru. C. Vijayakumar has applied for Environmental Clearance for the Proposed Rough Stone Quarry Lease over an extent of 1.00.0 Ha at S.F.No. 158/1 (Part-2) (Bit-1) of Periyagoundapuram Village, Vazhapadi Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was issued to the project proponent vide Lr.No.SEIAA-TN/F.No.8118/SEAC/ ToR-922/2020 dated.16.04.2021.
4. Public Hearing was conducted on 02.03.2023.
5. EIA Report was submitted on 19.07.2023.
- 6.The other salient features of the proposal are as follows:


1.	Name of the Owner/Firm	:	Thiru. C. Vijayakumar, No.2/1, Chinna Goundapuram, Ramalingapuram Post, Vazhapadi Taluk, Salem District – 636106.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone Quarry
3.	S.F Nos. of the quarry site with area break-up	:	158/1 (Part-2) (Bit-1).
4.	Village in which situated	:	Periyagoundapuram
5.	Taluk in which situated	:	Vazhapadi
6.	District in which situated	:	Salem
7.	Extent of quarry (in ha.)	:	1.00.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	11°39'21.87"N to 11°39'25.15"N 78°16'02.06"E to 78°16'09.17"E


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9.	Topo Sheet No.	:	58 -I/06
10.	Type of mining	:	Open cast Mechanized mining
11.	Life of Project	:	5 years
	Lease Period	:	5 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	As modified by SEAC
		:	Rough Stone – 8,75,955m ³ Topsoil - 3,312m ³
	Mina ble Resources m ³ (RoM)	:	Rough stone - 7,35,195m ³ Topsoil - 3,312m ³
		:	Rough Stone – 1,81,687m ³
Annual Peak Production in m3	:	Rough Stone – 37,642m ³	
Ultimate Depth in meters	:	71m (21m AGL + 50m BGL)	
14.	Depth of water table	:	65-70m
15.	Man Power requirement per day:	:	20 Nos.
16.	Water requirement:	:	3.8 KLD
	1) Domestic & Drinking purposes	:	0.6 KLD
	2) Dust Suppression	:	1.5 KLD
	3) Green Belt	:	0.7 KLD
17.	Power requirement	:	1,45,360 liters of HSD for the entire project life
18.	Precise area communication approved by the District Collector with date	:	Roc.181/2020/Mines-A Dated:22.06.2020.
19.	Mining Plan approved by the Assistant Geologist/Assistant Director	:	Roc.181/2020/Mines-A Dated:29.09.2020.


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	(i/c). Dept.of Geology and Mining with date.			
20.	500m cluster letter issued by the Assistant Geologist/ Assistant Director (i/c). Dept. of Geology and Mining with date		Roc.181/2020/Mines-A Dated:29.09.2020.	
21.	VAO Certificate Regarding Structures within 300m Radius		Letter dated. 28.07.2022	
22.	Project Cost (excluding EMP cost)	:	Rs. 51,10,893/-	
23.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough stone
		:	Max Total RoM in m ³	1,78,572m ³
		:	Annual Max RoM in m ³	37,642m ³
		:	Max Depth in mtrs	61m (21m AGL + 40m BGL)
24.	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 20,91,000/- Recurring Cost – Rs. 15,46,787/-	
25.	CER cost (in Rs. Lakh).	:	Rs 5,00,000/-	
26.	ToR Issued Details		Lr.No.SEIAA-TN/F.No.8118/ SEAC/ ToR-922/2020 dated.16.04.2021.	
27.	Public Hearing Conducted on		02.03.2023.	
28.	EIA Report Submitted on		19.07.2023.	

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 annual peak production capacity not exceeding 37,642m³ of Rough stone by restricting the ultimate depth of mining up to 61m (21m AGL + 40m BGL) and subject to the


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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) Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.
- 3) Since the structures are situated within a radial distance of 400 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground & noise from the blasting operations carried out in the overburden/side-burden formation of the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 4) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year (or) when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.


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5) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs shall be spent for the activities as committed towards the Government School, Chinnagoundapuram Village, Salem District before obtaining CTO from TNPCB.

Agenda No: 408-10

(File No.8601/2023)

Proposed Rough Stone and Gravel Quarry lease over an extent of 2.42.0 Ha at S.F.Nos. 89/4B (P) & 92/2 of Kodangipalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. K.M.Chinnaswamy – for Environmental Clearance (SIA/TN/MIN/436977/2023 dated: 17.07.2023)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. 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. K.M.Chinnaswamy has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry lease over an extent of 2.42.0 Ha at S.F.Nos. 89/4B (P) & 92/2 of Kodangipalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category “B1” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. Earlier, EC was issued to the project proponent vide Lr. No. SEIAA-TN/F.No.3703/EC/1(a)/3175/2015, Dated: 21.03.2016. The proponent has carried out quarrying operations from 12.07.2016 to 11.07.2021.
4. Now, the proponent has submitted an application seeking Environmental Clearance for the another period of operation for 5 years.
5. ToR was issued to the project proponent vide Lr.No.SEIAA-TN/F.No.8601/SEAC/ ToR-1030/2021 dated.26.08.2021.
6. Public Hearing was conducted on 18.05.2023.
7. EIA Report was submitted on 19.07.2023.
8. The proponent has furnished a Certified Compliance Report obtained from IRO of MoEF&CC for the EC obtained earlier vide Lr.No. E.P/12.1/2023-24/SEIAA/70/TN/965, Dated: 08.08.2023.


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9. The other salient features of the proposal are as follows:

File No	SAC	Category	(a)
	SA/T/01MB/41007/2023		BT
S.F. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	:	Thiru. K.M. Chinnaswamy, S/o. Mysamy, No.5/174, Kadampadi, Sulur Taluk, Coimbatore – 641 401.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel Quarry
3	S.F Nos. of the quarry site with area break-up	:	89/4B (P), 92/2
4	Village in which situated	:	Kodangipalayam
5	Taluk in which situated	:	Palladam
6	District in which situated	:	Tiruppur
7	Extent of quarry (in ha.)	:	2.42.0 Ha
8	Latitude & Longitude of all corners of the quarry site	:	11°01'17.01"N to 11°01'24.24"N 77°12'07.40"E to 77°12'14.12"E
9	Topo Sheet No.	:	58 – E/04
10	Type of mining	:	Opencast Mechanized Mining Method
11	Life of Project	:	5 years
	Lease Period	:	5 years
	Mining Plan Period	:	5 years
12	Mining Plan Details	:	As per approved Mining Plan As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone – 7,93,805m ³ Rough Stone – 6,59,140 m ³
		:	Gravel - 5,272m ³ Gravel - 5,272m ³
	Minable Resources m ³ (RoM)	:	Rough Stone – 2,46,232m ³ Rough Stone – 2,21,117 m ³

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			Gravel - 1,242 m ³	Gravel - 1,242 m ³
	Annual Peak Production in m ³	:	Rough Stone – 54,925m ³	-
			Gravel - 432m ³	-
	Ultimate Depth in meters	:	47m Below Ground Level	42m Below Ground Level
13	Depth of water table	:	65-70m	
14	Man Power requirement per day:	:	28 Nos.	
15	Water requirement: 1. Drinking & Domestic Purpose 2. Dust Suppression 3. Green belt	:	3.0. KLD 0.5 KLD 2.0 KLD 0.5 KLD	
16	Power requirement	:	400 litres per day	
17	Precise area communication approved by the Deputy Director, Dept. of Geology and Mining with date	:	Rc.No.1501/Mines/2020/ Dated:25.02.2021	
18	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with date	:	Rc.No.1501/2020/Mines/ Dated:05.05.2021	
19	500m cluster letter issued by the Deputy Director, Dept. of Geology and Mining with date	:	Rc.No.1501/2020/Mines/ Dated:05.05.2021	
20	Tahsildar letter Regarding Structures within 300m Radius	:	28.01.2021	
21	Project Cost (excluding EMP cost)	:	Rs. 1,12,59,000/-	
22	EC Recommendation	:	Validity	30 years subject to the following upper limits.


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		:	Max Total RoM in m ³	Rough Stone - 2,21,117m ³ Gravel – 1242m ³
		:	Annual Max RoM in m ³	Rough stone - 54,925m ³ Gravel – 432m ³
		:	Max Depth in mtrs	42m below ground level
23	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 27,71,400/- Recurring Cost – Rs. 17,49,594/-	
24	CER cost (in Rs. Lakh).	:	Rs . 5,00,000/-/-	
25	ToR Issued Details		Lr.No.SEIAA-TN/F.No.8601/ SEAC/ ToR-1030/2021 dated.26.08.2021	
26	Public Hearing Conducted on		18.05.2023.	
27	EIA Report Submitted on		19.07.2023.	


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 annual peak production capacity not exceeding Rough stone - 54,925m³ & Gravel – 432m³ by restricting the ultimate depth of mining up to 42m below ground level and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MoEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
- 2) Before execution of the mine lease, the PP shall furnish a detailed report based on the studies carried out in pertaining to the Risk Assessment & Management in the proposed quarry.


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- 3) Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground & noise from the blasting operations carried out in the overburden/side-burden formation of the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 4) The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution. Since School is located at a distance of 800m, the PP shall ensure that the blasting operations are carried out safely with posting a guard near the school premises without deviation.
- 5) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall within a period of six months to stipulate the slope stability measures & action plan for systematic monitoring of the slopes as per the DGMS (Tech) Circular No 02 dated 09-01-2020, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 6) Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within 2 years from the


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commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-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 without any deviation.

- 7) As accepted by the Project Proponent the CER cost of Rs. 8 Lakhs shall be spent for the activities as committed towards the following schools before obtaining CTO from TNPCB.
- Panchayat Union Primary School, Kodangipalayam Village, Palladam Taluk, Tiruppur District – Rs. 5 Lakhs
 - Government School – Rs. 3 Lakhs

Agenda No: 408-11

(File No.8615/2023)

Proposed Rough Stone & Gravel Quarry lease over an extent of 2.00.5 Ha (Patta land) in S.F.Nos. 232/1B & 233/4B of Kokkalai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by Thiru. C. Sivakumar – for Environmental Clearance (SIA/TN/MIN/437764/2023 dated: 22.07.2023)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

- The project proponent **Thiru. C. Sivakumar** has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 2.00.5 Ha (Patta land) in S.F.Nos. 232/1B & 233/4B of Kokkalai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu.
- The project/activity is covered under Category “B1” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.


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3. Earlier, EC was issued to the project proponent vide Lr.No. SEIAA-TN/F.No.3189/EC/1(a)/1774/2014, Dated:19.03.2015. The proponent has carried out quarrying operations from 16.06.2015 to 17.06.2020.
4. Now, the proponent has submitted an application seeking Environmental Clearance for the next spell of quarrying.
5. ToR was issued to the project proponent vide Lr.No. SEIAA-TN/F.No.8615/SEAC/ToR1015/2021 Dated: 23.08.2021.
6. Public Hearing was conducted on 09.02.2023.
7. EIA Report was submitted on 26.07.2023.

Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:

- i) The project proponent shall submit a Certified Compliance Report as per the MoEF&CC O.M dated.08.06.2022 for the previous EC obtained from SEIAA-TN dated.19.03.2015.

Hence, the proponent is advised to submit the details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.

Agenda No: 408-12

(File No.8832/2023)

Proposed Rough Stone and Gravel Quarry lease over an extent of 3.32.78 Ha at S.F.Nos. 112 (P), 113/4B (P) & 115/1A of Kodangipalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. M.Venkatesh – for Environmental Clearance (SIA/TN/MIN/437442/2023 dated: 20.07.2023)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. 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.Venkatesh** has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry lease over an extent of 3.32.78 Ha at S.F.Nos. 112 (P), 113/4B (P) & 115/1A of Kodangipalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.


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2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was issued to the project proponent vide Lr.No.SEIAA-TN/F.No.8832/SEAC/ ToR-1102/2021 dated.21.03.2022.
4. Public Hearing was conducted on 18.05.2023.
5. The proponent has submitted the EIA Report in the PARIVESH Portal on 20.07.2023.

Based on the presentation and the documents submitted by the proponent in the PARIVESH Portal, the SEAC observed that the proposed area has been earlier quarried by the same proponent in two spells: from 31.03.2006 to 30.03.2011 & from 09.04.2012 to 08.04.2017. But the proponent has not furnished the details of any EC obtained earlier.

In this regard the Committee decided that the proponent shall furnish the details regarding the period of the quarrying operations carried out & the quantity of mineral mined after 15.01.2016 obtained from the AD/DD of Dept. of Geology & Mining, to decide on the proposal further.

On receipt of the same, further deliberations shall be done.

Hence, the proponent is advised to submit the details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.

Agenda No: 408-13

(File No.9612/2022)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.41.0 Ha at S.F.No. 617/2 of Munnur Village, Pugalur Taluk, Karur District, Tamil Nadu by Mr. G. Prabhakar – For Environmental Clearance. (SIA/TN/MIN/408627/2022 dated 30.11.2022)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. 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, Mr. G. Prabhakar has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 1.41.0 Ha at S.F.No. 617/2 of Munnur Village, Pugalur Taluk, Karur 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. Earlier, EC was accorded to the proponent vide Lr.No.SEIAA-TN/F.No.5775/1(a)/EC.No.3934/2016 dated.24.05.2017 for the quantity of 75048 cu.m of rough stone.
4. Now the proponent has submitted an application for Environmental Clearance for a quantity of 96,525 cu.m of rough stone and 7560 cu.m of gravel.
5. Earlier, the proposal was placed for appraisal in the 363rd SEAC meeting held on 14.03.2023. Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:
 - i) The project proponent shall submit a certified compliance report for the EC obtained earlier.
 - ii) The proponent shall furnish photographic evidence for having complied with the EC conditions regarding, fencing, green belt and garland drain.
6. On receipt of a reply from the proponent, the proposal is again placed in this 408th meeting.
7. The other salient features of the proposal are as follows:

No.		Date		Category		Status	
		24/05/2017		B2		EC	
Salient Features of the Proposal							
1	Name of the Owner/Firm	:	Thiru. G. Prabhakar, S/o. (Late) Govindasamy, No.5/187, Samynathapuram, Kettumunnur Post, K. Paramathy, Pugalur Taluk, Karur District – 639 111.				
2	Type of quarrying (Ordinary Stone/ Sand/ Granite/ Limestone)	:	Rough Stone and Gravel Quarry				


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3	S.F Nos. of the quarry site with area break-up	:	617/2
4	Village in which situated	:	Munnur
5	Taluk in which situated	:	Pugalur
6	District in which situated	:	Karur
7	Extent of quarry (in ha.)	:	1.41.0 Ha
8	Latitude & Longitude of all corner of the quarry site	:	10°58'21.19"N to 10°58'26.05"N 77°53'42.41"E to 77°53'46.60"E
9	Topo Sheet No.	:	58- F/13
10	Type of mining	:	Opencast semi mechanized mining method.
11	Life of Project	:	5 years
	Lease Period	:	5 years
	Mining Plan Period	:	5 years
12	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	As modified by SEAC
		:	Rough Stone – 3,03,940m ³
	Minable Resources m ³ (RoM)	:	Gravel – 16,422m ³
		:	Rough Stone – 96525m ³
	Annual Peak Production in m ³	:	Gravel - 7560m ³
:		Rough Stone – 20740m ³	
Maximum Depth in meters	:	30m Below Ground Level	
13	Depth of water table	:	60m- 65m
14	Man Power requirement	:	12 Nos.


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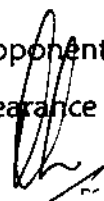

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15	Water requirement: 1. Drinking & Domestic 2. Green Belt 3. Dust Suppression	:	3.5 KLD 2.0 KLD 0.5 KLD 1.0 KLD
16	Power requirement	:	78,476 liters of HSD for 5 years
17	Precise area communication approved by the Deputy Director, Dept. of Geology and Mining with date	:	Rc.No.197/Mines/2022 Dated:27.10.2022.
18	Mining Plan approved by the Deputy Director, Dept. of Geology and Mining with date	:	Rc.No.197/Mines/2022 Dated:16.11.2022.
19	500m cluster letter issued by the Deputy Director, Dept. of Geology and Mining with date	:	Rc.No.197/Mines/2022, Dated:23.11.2022.
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated: 19.11.2022.
21	Project Cost (excluding EMP cost)	:	Rs. 25,50,000/-
22	EC Recommendation	:	Validity 30 years subject to the following upper limits.
		:	Max Total RoM in m ³ Rough stone – 96,525m ³ Gravel – 7560m ³
		:	Annual Max RoM in m ³ Rough stone – 20,740m ³ Gravel – 7560m ³
		:	Max Depth in mtrs 30 below ground level
23	EMP cost (in Rs. Lakh).	:	Capital Cost – Rs. 22,70,645/- Recurring Cost – Rs. 15,17,160/-
24	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-

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


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annual peak production capacity not exceeding 20,740m³ of Rough stone by restricting the ultimate depth of mining up to 30m below ground level and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MoEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
- 2) Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.
- 3) Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
- 4) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.


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- 5) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs shall be spent for the activities as committed towards the Panchayat union Middle School – Athipalayam Village before obtaining CTO from TNPCB.

Agenda No: 408-14

(File No.9921/2023)

Existing multi-colour granite quarry lease over an extent of 1.21.5 Ha at S.F.No. 1323/1A & 1302/2 of Thiruthangal Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by Tvl. Stanco Traders – For Environmental Clearance (SIA/TN/MIN/424857/2023 dt.06.04.2023)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. 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, Tvl. Stanco Traders has applied for Environmental Clearance for the Existing multi-colour granite quarry lease over an extent of 1.21.5 Ha at S.F.No. 1323/1A & 1302/2 of Thiruthangal Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category “B” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. Earlier, EC was accorded to the project proponent vide Lr.No.SEIAA-TN/F.No.4889/EC/ 1(a)/2899/2016 dated.17.02.2016 for a quantity of 2175m³ of multi-colour granite up to a depth of 46m with a maximum validity of 5 years.
4. Now, the proponent has submitted an application seeking Environmental Clearance for the 3rd scheme of mining (2019-2024) for the production of 21,113m³ of multi-colour granite for an ultimate depth of 103m. The lease is valid till 21.09.2024.
5. Earlier the proposal was placed for appraisal in the 384th meeting of SEAC held on 16.06.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the project proponent:


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- i) From the presentation made by the PP, it was informed that the amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 which means that the mine boundary is changed. The PP is requested to provide the total extent and quantity of combined/amalgamated area of five leases with specifying each G.O wise.
- ii) From the presentation made by the PP, it has been observed that amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 vide Lr. No. CSZ/CNR/Granite/Perm-111(1)/32/2016/479, dated. 28.03.2017 & Lr. No. CSZ/CNR/Granite/Perm-111(1)/33/2016/484, dated. 28.03.2017. The PP shall indicate whether the permission was obtained from the Directorate of Geology and Mining to carry out the quarrying operations in a single lease as per the permission granted by the DMS, DGMS/Chennai Region from 2017 and the PP shall provide the documentary proof for the amalgamation permission obtained from the Directorate of Geology and Mining and the validity of lease period.
- iii) The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.
- iv) Based on the approved scheme of mining submitted by the proponent in Parivesh Portal, it is ascertained that the proponent has achieved a depth of 103m during the earlier EC period (2016-2021) against the approved depth of 46 m. Further, during the meeting proponent disclosed that existing pit is 90m and subsequently, in presentation existing maximum pit depth mentioned was 103m. Hence, the proponent shall furnish an explanation for exceeding the approved depth and the ambiguity in the existing pit depth. The PP shall provide the details of any permission obtained in the form of Modified Mining Plan approved by the competent authority for carrying out


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the quarrying operations for a depth of 103 m under the provisions of Granite Conservation & Development Rules, 1999 and the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016.

v) As per the scheme of mining approval letter issued vide Rc.No.3687/MM2/2022 Dated: 10.02.2023, it is ascertained that

"...The Lessee has an undertaking vide Sworn affidavit dated 08.02.2023 to the effect that he shall abide by the final orders of the Hon'ble Madurai Bench of Madras High Court in W.P.No.10106/2020 regarding the compensation for E.C. Violation"

Hence, the proponent shall furnish complete details regarding the pending court case at Madurai bench of Madras High Court.

vi) Further, during the presentation, proponent disclosed that AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.

vii) The PP shall exhibit the technical justifications for increasing the depth of existing quarry to 103 m with maintaining the stability of the quarry wall in a safe manner.

viii) The PP shall withdraw any duplicate files if already made with the SEIAA.

ix) The PP shall disclose the details pertaining to the legal cases pending against the proposal if any.

SL No	Query	Reply


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1.	<p>Amalgamation permission obtained from the Director of Mines Safety, DGMS, Chennai for combining the six Leases under Reg.111(1) of the MMR1961 which means that the mine boundary is changed. The PP is requested to provide the total extent and quantity of combined/amalgamated area of six leases with specifying each G.O.wise.</p>	<p>Amalgamation permission for the following leases for G.O No.57, 94, 41, 33 of Stanco traders and M/s. two Gos of Standard Granites vide G.O No. 56 & 45</p>
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2.	SEAC seeks Permission letter from the Directorate of Geology and Mining to carry out the quarrying operations as single lease based on amalgamation permission granted by the DMS, DGMS/Chennai Region	No. The PP is not interested to make application to the Director of Geology and Mining, Chennai for Amalgamation of six leases as the conditions of circular by state Govt. is not satisfactory as expiry date of first lease shall be taken for all Leases of amalgamation.																					
3	The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.	<table border="1"> <thead> <tr> <th data-bbox="571 1003 742 1137">YEAR</th> <th data-bbox="742 1003 997 1137">Proposed Qty in M³ ROM</th> <th data-bbox="997 1003 1289 1137">Achieved Qty in CBM</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 1137 742 1227">2014-2015</td> <td data-bbox="742 1137 997 1227">-</td> <td data-bbox="997 1137 1289 1227">5722.847</td> </tr> <tr> <td data-bbox="571 1227 742 1317">2015-2016</td> <td data-bbox="742 1227 997 1317">-</td> <td data-bbox="997 1227 1289 1317">5337.841</td> </tr> <tr> <td data-bbox="571 1317 742 1406">2016-2017</td> <td data-bbox="742 1317 997 1406">-</td> <td data-bbox="997 1317 1289 1406">6785.138</td> </tr> <tr> <td data-bbox="571 1406 742 1496">2017-2018</td> <td data-bbox="742 1406 997 1496">-</td> <td data-bbox="997 1406 1289 1496">11491.476</td> </tr> <tr> <td data-bbox="571 1496 742 1585">2018-2019</td> <td data-bbox="742 1496 997 1585">25404</td> <td data-bbox="997 1496 1289 1585">6125.486</td> </tr> <tr> <td data-bbox="571 1585 742 1641">Total</td> <td data-bbox="742 1585 997 1641">25404</td> <td data-bbox="997 1585 1289 1641">35,462.788</td> </tr> </tbody> </table>	YEAR	Proposed Qty in M ³ ROM	Achieved Qty in CBM	2014-2015	-	5722.847	2015-2016	-	5337.841	2016-2017	-	6785.138	2017-2018	-	11491.476	2018-2019	25404	6125.486	Total	25404	35,462.788
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Total	25404	35,462.788																					


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<p>4.</p>	<p>Based on the approved scheme of Mining submitted by the proponent Parivesh Portal, it is ascertained that the proponent has achieved a depth of 103mtr during the earlier EC period (2016-2021) against the approved depth of 46m. Further, during the meeting proponent disclosed that existing pit is 46m. Further, during the meeting proponent disclosed that existing pit is 90m and subsequently. In presentation existing maximum pit depth mentioned</p>	<p>The EC was granted vide Letter No. SEIAA-TN/F.No.4889/EC/1(a) 2899/2016 Dated 17.02.2016 for 46mtr Depth based on the Mining Plan Approved for the period 2004-2009.</p> <p>the second scheme of mining for the period 2014-2019 we have applied for the mining up to the depth of 79Mtr to 103Mtr (copy of deemed approval mining plan enclosed)</p>
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	<p>was 103m. Hence, the proponent shall furnish an explanation for exceeding the approved depth and the ambiguity in the existing pit depth. The PP shall provide the details of any permission obtained in the form of Modified Mining Plan approved by the competent authority for carrying out the quarrying operations for a depth of 103m under the provisions of Granite Conservation & Development, Rules, 1999 and the Minerals (Other than</p>	
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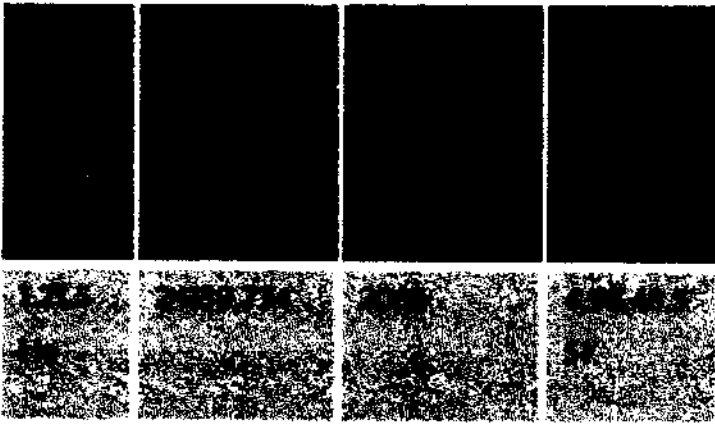

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	Atomic and Hydro Carbons Energy Minerals) Concession Rules,2016.	
5.	<p>As per the scheme of mining approval letter issued vide Rc.No.3687/MM 2/2 22Dated: 10.02.2023. it is ascertained that "...The Lessee has an undertaking vide sworn affidavit dated 08.02.2023 to the effect that he shall abided by the final orders of the Hon'ble Madurai Bench of Madras High Court in W.P.No.9905/20 20 regarding the Compensation for E.C.Violation". Hence, the proponent shall</p>	<p>The District Collector Virudhunagar has issued the Demand Notice for Transport Permit excessively obtained beyond the EC Quantity Granted by SEIAA vide Letter No. SEIAA-TN/F.No.4889/EC/1(a) 2899/2016 Dated 17.02.2016.</p> <p>The PP filed the WP No.9905/2020 against the order of the District Collector. Based on the amended EC obtained from SEIAA vide Letter No. SEIAA-TN/F.No.4889/EC/1(a) 2899/Amend/2016 Dated 18.02.2021 for ROM Quantity. The PP challenge the order of the district Collector Virudhunagar at Madurai Bench of Madras High Court. The issues is ROM Vs Production as a result of changes in Percentage of Recovery. There is no change in Run of Mine (ROM) or excavated Quantity during this Period. We have obtained Transport Permit from the DD Mines Virudhunagar with in the ROM Quantity as Approved by the SEIAA vide Letter No. SEIAA-TN/F.No.4889/EC/1(a) 2899/Amend/2016 Dated 18.02.2021. This is explained to the Court by filling the Affidavit and through Argument by our Senior Advocate Based on the Amendment EC obtained from the SEIAA. Based on this The District Collector Virudhunagar Demand Notice is Set aside by the Madurai Bench of Madras High Court in WP. No. 9905/2020 Vide order Dt. 06.06.2023. the Court order has been send to District Collector Virudhuagar for the Closure of his Demand notice (Copy of Madurai Bench of Madras High Court order dated 06.06.2023 Enclosed)</p>



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	<p>furnish complete details regarding the pending court case at Madurai bench of Madras High Court.</p>	
<p>6.</p>	<p>Further, during the presentation, proponent disclosed that the AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.</p>	
<p>7.</p>	<p>The PP shall exhibit the technical justifications for proposing the Depth of existing Quarry to 103mtr with maintaining the stability of the quarry wall in a safe manner.</p>	<p>Safe benches each of 6m height and 6m width have been designed as per Reg. 106 (2) (b) of MMR,1961 and it has been approved by the DGM, Chennai.</p>


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8. The PP shall withdraw any duplicate files if already made with the SEIAA.

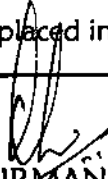
The duplicate files has been withdrawn. Details given below.

SL. No	File No	Previous Proposal (Standard Granites)	Online dated:	New Online Proposal (STANCO Traders) dated:
1	9918	SIA/TN/MIN/420624 /2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424931/ 2023 06.04.2023
2	9919	SIA/TN/MIN/420363 /2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424980/ 2023 06.04.2023
3	9920	SIA/TN/MIN/421144/ 2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424891/ 2023 06.04.2023
4	9921	SIA/TN/MIN/421342 /2023 09.03.2023	dated: 09.03.2023	SIA/TN/MIN/424857/ 2023 06.04.2023

Explanation for online withdrawal

We have submitted 4 Multicolor Granite Proposals (adjacent to each other) to SEIAA on 20.03.2023 under B2 Category for grant of Prior Environmental Clearance. While applying Parivesh portal we have used the existing user id and password belonging to the same proponent. We have uploaded the all-necessary documents in the name of STANCO Traders in portal. Unfortunately, the proposal was in the name of Standard Granites instead of STANCO Traders in Parivesh portal because of the existing User ID. Later we have created the new user ID, new application and upload the all-necessary documents in the name of Stanco Taders. Now, our proposal was placed in 384th


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		SEAC Meeting, dated: 16.06.2023 for appraisal. In the Schedule it shows the previous online proposal instead of new online proposal. We kindly request you to remove previous online proposal number and place new proposal number. Please allow as to withdraw the previous application. Thank you.
9.	The PP shall disclose the details pertaining to the legal cases pending against the proposal if any.	There is no legal case pending against the PP.

Further, the SEAC noted the following from the presentation made by the PP,

Description	As per EC	As per the AMP	Actually Achieved	Remarks
ROM	Not mentioned in the EC	2901m ³	11,421m ³	As against the quantity of 2901m ³ actual mined quantity was 11,421m ³ for the excess quantity mined, the Dept. of G&M has levied a penalty of Rs. 4,98,48,551 the PP has not paid the penalty, and challenged in the High Court of Madurai Bench and the Bench has allowed the petition on the ground of natural justice. However, the mined quantity is within the EC ROM quantity (89,571m ³)


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Saleable Granite	2175m ³	2175m ³	8566.013 m ³	
Depth	46m	46m	103m	
Amended EC	ROM:89,571 m ³ (Granite reserves 2175m ³ & Granite waste 87369m ³ ,	ROM:89,571 m ³ (Granite reserves 2175m ³ & Granite waste 87369m ³ ,	Granite production: 8566.013 m ³ Granite reject: 2855m ³	

On receipt of the reply from the proponent, the proposal was again placed in this 408th SEAC meeting. Based on the details furnished by the project proponent, it was ascertained that the proponent has mined out up to a depth of 103m against the earlier EC approved depth of 46m.

1. As per MoEF & CC Notification S.O. 804 (E) dated 14.03.2017,

“In case the project or activities requiring prior Environmental Clearance under EIA Notification 2006 from the concerned Regulatory Authority are brought for Environmental Clearance after starting the construction work, or have undertaken expansion, modernization and change in product-mix without prior EC, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted Environmental Clearance by the SEIAA constituted under sub-section(3) section 3 of the Environment (Protection) Act 1986 shall be appraised for grant of Environmental Clearance only by the concerned Expert Appraisal Committee and Environmental Clearance will be granted accordingly”.

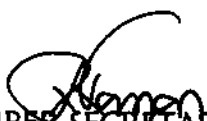

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In the present case, the proponent has exceeded the depth beyond the limit specified in the prior EC issued and has therefore violated the provisions of EC dated.17.02.2016.

Therefore, in view of the above & based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and ToR given in Annexure-I, the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 for the project in case of assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage. preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1996, accredited by NABET or a Laboratory of council of Scientific and industrial research institutions working in the field of environment..
2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
3. The project proponent besides above must submit the No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme court to approach State Mines and Geology Department for certification regarding payment of


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100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957.

- 4 The PP shall furnish letter from AD, mines including the following details,
 - 5 Existing pit dimension through precise mine surveying (DGPS).
 - 6 Quantity achieved Vs EC Approved Quantity.
 - 7 Balance Quantity as per Mineable Reserve calculated.
- (iv) Mined out Depth as on date Vs EC Permitted depth
- (v) Details of illegal/illicit mining carried out in the proposed quarry site
- (vi) Violation in the quarry during the past working.
- (vii) Quantity of material mined out outside the mine lease area
- (viii) Condition of Safety zone/benches as on date.
- (ix) Copy of total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.
- (x) The SEAC also recommends that SEIAA may look into any other legal and regulatory issues that are applicable before issuing the post mining EC.

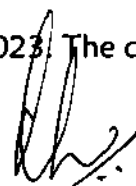
Agenda No: 408-15

(File No.513/2023)

Existing Educational Institutional building in S.F. No. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s. SSN Trust – For Environmental clearance. (SIA/TN/INFRA2/429590/2023, dated:18.05.2023)

The proposal was placed in this 408th Meeting of SEAC held on 08.09.2023. The details


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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. SSN Trust, have applied for Environmental Clearance under violation category for the Existing Educational Institutional building in S.F. No. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tiruporur Taluk, Chengalpattu District, Tamil Nadu.
2. The project/activity is covered under Category "B" of item 8(b) "Townships and Area Developments Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, Terms of Reference under violation category was issued to the project proponent vide Lr. No. SEIAA-TN/F.No.513/Violation/ToR-1146/2022 dated.10.05.2022 for an existing built-up area of 2,18,630.6 Sq.m. Subsequently, proponent gave a representation to amend the earlier issued ToR vide letter dated.25.10.2022 & the authority in its 592nd SEIAA meeting, decided that the Terms of reference under violation category issued vide letter dated.10.05.2022 shall be for the total built-up area of 2,72,483.60 Sq.m as per the recommendations of 247th & 261st SEAC meeting which includes both the existing & proposed built-up area.
4. Subsequently, the proponent had applied for EC under the violation category along with EIA report vide Online Number SIA/TN/INFRA2/429590/2023 Dated: 18.05.2023 (offline no.513) for the existing built-up area of 2,18,630.6 Sq.m.

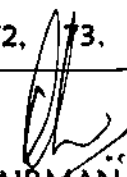

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5. Subsequently, the proponent had submitted an additional application for Environmental Clearance under 'B2' category – 8(a) Building and Construction projects vide online number SIA/TN/INFRA2/429313/2023, dated:16.05.2023 for an additional proposed built-up area of 91,982.06 Sq.m within the same premises.
6. Based on the above facts, both the proposals were placed in the 391st SEAC meeting held on 13.07.2023 and were appraised together. Based on the presentation and documents furnished by the proponent, SEAC noted the following with respect to F.No. 10046 - online number SIA/TN/INFRA2/429313/2023, dated:16.05.2023.
- 1) During the presentation, proponent disclosed that the following two components which were proposed for construction in File No. 10046 had already been started:
 - i. Academic Block – 2
 - ii. Law School
 - 2) Further, from the Conceptual plan submitted by the proponent in Parivesh Portal, it was ascertained that the proposed construction involving 91,982.06 Sq.m. is within the campus of the existing educational institution which comes under 8(b) – Township and Area Development Projects.
 - 3) Further, in F. No. 513 - online number SIA/TN/INFRA2/429590/2023 Dated: 18.05.2023, building components included EEE block and Chemical/Biomedical Engineering block which comprised of G+3 floors. Subsequently, in the current proposal, in conceptual plan, Page No. 44 & 45, it has been mentioned that vertical expansion is proposed in EEE block & Chemical/biomedical Engineering.
 - 4) The Survey Nos of both the proposal were compared and it was ascertained that some of the survey numbers are common as shown below

S.No	Description	File No.513/2023	File No. 10046/2023
1	Site Address	S.F. Nos. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A,	S. F. Nos. 67/1A, 67/1B, 67/1C, 72, 73, 79/1,


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		63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tiruporur Taluk, Chengalpattu District.	79/2A, 79/2B, 79/2C, 87/1, 87/2, 118/1A, 118/1B1, 118/1B2, 118/2A, 118/2B, 119, 120, 123, 129/2, 150/5 of Kalavakkam Village & 1039, 1040/1B, 1040/2B, 1234/1, 1234/2, 1234/3A, 1234/3B, 1236/1, 1236/2, 1237 of Thaiyur B Village, Tiruporur Taluk, Chengalpet District.
2	Common S. F. No.	67, 68 to 77, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 123/1,	67/1A, 67/1B, 67/1C, 72, 73, 79/1, 79/2A, 79/2B, 79/2C, 87/1, 87/2, 118/1A,


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		123/2, 129/2A, 131 to 151 of Kalavakkam Village & 1040/1B, 1040/2B of Thaiyur B Village, Tiruporur Taluk, Chengalpet District.	118/1B1, 118/2A, 118/2B, 119, 120, 123, 129/2, 150/5 of Kalavakkam Village & 1040/1B, 1040/2B of Thaiyur B Village, Tiruporur Taluk, Chengalpet District.
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Based on the above, SEAC decided as follows.

- i. The proposed construction of educational institution (F.No. 10046) has to be treated under the category of 8(b) Township and Development projects because the total built-up area is 3,10,612.66 Sq.m, since the proponent is carrying out expansion activity within the same premises and existing components of the already existing educational institution (F.No.513).
- ii. Further, the proponent has carried out construction of the two components pertaining to online number SIA/TN/INFRA2/429313/2023, dated:16.05.2023 (offline No. 10046) without valid prior Environmental Clearance as per EIA Notification, 2006.
- iii. Further both the proposals have common S.F. Nos and hence lie within the same premises. Both the proposals are violation cases. Hence, this cannot be treated as two different proposals.
- iv. As the PP had initially applied for EC on 01.03.2013, the proposal is eligible to be considered under SoP within window period.

In the light of the above scenario, SEAC decided that,

- a) The proponent has applied a separate proposal vide SIA/TN/INFRA2/429313/2023, dated:16.05.2023 (offline No. 10046) under 8(a) category, whereas the proposal has to be treated as violation and further the total built-up area (Existing + Proposed) is 3,10,612.66Sq.m. which is more than 1,50,000 Sq.m. Hence, the above-mentioned proposal has to be appraised as one single proposal along


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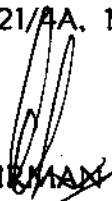
with the EIA report which must include Chapter 13 for the violation, submitted under violation category as 8(b) "Township and Area Development projects" vide online number SIA/TN/INFRA2/429590/2023 Dated: 18.05.2023 (offline no.513).

- b) Earlier the Terms of Reference was issued for a built-up area of 2,72,483.60 Sq.m. as per 592nd SEIAA meeting held on 16.02.2023. However, it was ascertained that the total built-up area (Existing + proposed) is 3,10,612.66 Sq.m. Since, the proposed expansion is within the existing premises, the Terms of Reference issued may be considered to be common for a total built-up area of 3,10,612.66 Sq.m. Baseline parameters taken for the terms of reference already issued is relevant for the combined proposal also.
 - c) Hence, the proponent shall revise and resubmit the EIA report accordingly and also prepare Chapter 13 with respect to the increased built-up area of 3,10,612.66 Sq.m.
 - d) Further, the proponent shall furnish detailed chronology with respect to the construction activity carried out in the proposed area to assess the violation committed by the proponent as per EIA Notification, 2006.
 - e) Hence, the proponent shall withdraw the proposal pertaining to online number SIA/TN/INFRA2/429313/2023, dated:16.05.2023 (offline No. 10046) from Parivesh Portal and SEIAA may accordingly take necessary action in accordance with the procedures laid by the MoEF&CC.
7. Accordingly, the proponent has submitted a revised application. Hence, the proposal is again placed in this 408th SEAC meeting. The proposal was discussed in detail:

A. About the Project:

- M/s. SSN Trust has constructed the Educational Institution and proposed expansion at S. No. 49 to 59,60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 4/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 18/2B, 119, 120, 121/1, 121/2, 121/3, 121/AA, 121/4B,


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122/1A, 122/1B, 122/2, 123/1, 123/2, 28/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Thiruporur Taluk, Chengalpattu District of Tamil Nadu.

- The initial application for environmental clearance was first applied in year 2011.
- Based on MoEF&CC Notiifcations dated.14.03.2018 & 08.03.2018, ToR under violation category was issued to the proponent vide Letter no. SEIAA-TN/F.No.513/Violation/ToR- 1146/2022 dated 10.05.2022.

B. Built-Up Area Details:

i) Buildings Constructed Before 2006:

Name of the Building	No of Floors	FSI (Sqm)	Non FSI (Sqm)	Year of starting	Year of completion
Type A quarters	G + 1	171.25	10	2002	2003
Type B quarters	G + 1	1014.33	25	2003/2004	2004/2005
Type C Quarters	G + 2	1298.77	33.23	2003/2004	2004/2005
Type E quarters	G + 2	2745.09	54.91	2002/2004	2003/2005
Type F quarters	G + 2	422.73	7.27	2002	2003
Type G quarters	G + 1	649.67	20.33	2004	2005


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Secondary sub station	G	293.4	6.6	2005	2006
Administration block	G	760.01	335.99	1996	1997
Core Lab	G	891.93	40.14	1996	1997
Research Lab	G	299	3	1998	1999
Recreation center	G + 2	1945.06	429.94	2002	2003
ECE Block	G + 1	6820.47	235.53	1999	2000
Girls Hostel I & Dining	G + 3	3205.06	148.94	1998	1999
Girls Hostel II	G + 3	1597.05	74.95	2003	2004
Girls Hostel III	G + 3	2168.12	22.88	2005	2006
Boys Hostel I & Dining block	G + 3	4226.31	401.69	1998	1999
Dining Hall for Girls hostel	G	861.31	20	2005	2006
Boys Hostel II	G + 3	3819	492	2002	2003
Boys Hostel III	G + 3	1634.12	48.88	2004	2005
Dining Hall for Boys hostel	G	523.07	20	2002	2003
Workshop Block	G	2781.85	103.15	1996	1997


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IT Block	G + 1	4065.7	4.3	2004	2005
SACE Block	G + 1	1632.34	67.66	2005	2006
MBA/MCA Block	G	3625.24	49.66	1999	2000
CSE Block	G + 1	3919.75	150.25	2004	2005
Mechanical Block	G	4007.44	192.56	1997	1998
Canteen Block	G	1,114.30	93.9	2001	2002
Primary Substation	G	363.45	84.55	1997	1998
Humanity Block	G	1,103.30	17	2002	2003
Library and Compute centre	G + 1	3815.37	141.63	1999/2004	2000/2005
Guest House	G + 1	600.62	25	2004	2005
Auditorium	G + 2	2818.99	48.01	2002	2003
Drivers shed and Toilet	G	143.4	5	2004	2005
Store cum Toilet	G	76.4	3	2004	2005
Total		65413.9	3416.95		
Total Built up Area (Existing)		68830.85 Sqm			

ii) Buildings Constructed after 2006:


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Name of the Building	No of Floors	FSI (Sqm)	Non FSI (Sqm)	Year of starting	Year of completion
Boys Hostel IV	G + 3	5500.8	15.2	2006	2007
Chemical Engineering / Biomedical Engineering	G + 3	14720.87	2054.72	2007	2008
Electrical & Electronics Engg Block	G + 3	14767.17	2004.61	2007	2008
Cloth drying Building for Girls hostel	G	186.6	0	2008	2009
Animal House	G + 1	202.94	0	2008	2009
Core Lab	G + 1	354.93	40	2008	2009
Girls Hostel IV	G + 3	4708.93	196.07	2008	2009
Canteen Block	G + 1	907.9	93.9	2008	2009
Humanity Block	G + 2	2022.8	34	2008	2009
Cloth drying Building for Boys hostel	G	186.6	0	2009	2010
Boys Hostel V	G + 3	8893.87	1096.13	2009	2010
Boys Dining for PG	G + 1	1993.66	241.34	2009	2010
Boys Hostel - VI for PG	G + 3	9115.51	559.49	2009	2010



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PG Girls Hostel Block B	G + 3	6449.27	500	2011- 2012	2012-2013
PG Girls Hostel Block A	G + 3	2917.9	981.91	2012- 2013	2013-2014
Cricket Pavilion	G + 1	345.48	76.55	2012- 2013	2013-2014
PG Girls Hostel Block B	G + 3	4379.73	537	2013-2014	2014-2015
UG Girls Hostel VI	G + 3	6097.57	1441.99	2012-2014	2014-2015
Annexure ECE Block	G + 2	2365.89	90.04	2013-2014	2014-2015
Grand Entry	G	96.18	168.73	2013-2014	2014-2015
Iconic Centre	G	173.43	53.1	2013-2014	2014-2015
Girls Hostel 1 and Dining	G + 1	1578.32	29.75	2014	2015
PG Hostels VII	G + 3	9937.81	5349.12	2015	2016
Placement center	G + 2	1578.82	17.22	2015	2016
Open Air theatre	G	136.27	823.58	2016-2017	2017-2018
Parents waiting hall	G	58.52	0	2016-2017	2017-2018
Football Stadium	G + 1	942.35	5.79	2016-2017	2017-2018


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CSE Building	G + 3	5246.27	100.16	2017	2018
Sports complex	G + 2	3556.47	2512.37	2019	2020
Staff quarters Block A	S + 8	6294.56	1393.84	2019	2020
Staff quarters Block C	S + 9	4202.28	481.14	2019	2020
Academic Block -I (SNU)	G+3	8097.21	885.01	2020	2021
Academic Block 2	G+3	11167.93	647.56	2022	2023
Staff Housing	S+8	7323.94	846.57	2022	2023
Law School	G+3	7721.32	1085.09	2022	2023
Boys Hostel	G+7	17749.23	4210.25	2022	2023
Total		1,72,429.33	28,572.23		
Grand Total		2,01,001.56 Sq.m			

iii) Proposed buildings (Yet to be constructed):

Proposed Building	No. of Floors	Est. Cost	Area - Sq. Feet
University Block	G+2 Floors	1989	111
Guest House	G+5 Floors	4413.54	96.44


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Girls Hostel	G+7 Floors	17751	3229.27
Academic Block 2	G+7 Floors	6000	760
Academic Block 3	G+7 Floors	6000	880
Total	36153.54	5076.71	
Total proposed built-up area	41230.25		

C. The other salient features of the proposal are as follows:

1	Plot Area	8,47,250	SQMT
2	Proposed Built Up Area	3,10,612.66	SQMT
3	Total no of Saleable DU's/Villas	-	No.
4	Max Height - (Height of tallest block)	32	M
5	No of Building Blocks (Residential +Community facilities)	Existing Buildings- 70 blocks, Proposed- 5 Blocks	
6	Max No of Floors	9	Nos.
7	Expected Population (XXX Residential + XXXX Floating)	12315 (10100 Existing Buildings+ 2215 Proposed expansion)	No.
8	Total Cost of Project	278.78 Crores (Rs.188.78 Crores Rs.90 Crores)	CR


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9	Project Activity:		
10	Permissible Ground Coverage Area (xx%)	NA	SQMT
11	Proposed Ground Coverage Area (xx%)	1,70,299.2	SQMT
12	Permissible FSI Area (xxx)	NA	SQMT
13	Proposed FSI Area	Existing buildings- 2,37,393.23 Proposed- 36,153.5	SQMT
14	Other Non FSI Areas - including basement area etc.	Existing buildings- 31,989.18 Proposed- 8076.7	SQMT
15	Proposed Total Built Up Area	3,10,612.66	SQMT
16	Total Water Requirement	2042	KLD
17	Fresh water requirement	1081	KLD
18	Treated Water Requirement	961	KLD
19	Wastewater Generation	1011	KLD
20	Proposed Capacity of STP	1100 (2 nos of 400 KLD & 1 No of 300 KLD)	KLD
21	Treated Water Available for Reuse	961	KLD
22	Treated Water Recycled	-	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	-	KLD
24	Rainwater Harvesting - Recharge Pits	418	No.

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25	Rainwater Harvesting Sump Capacity	-	M ³
25	Total Parking Required as / Building ByeLaws	1533	ECS
26	Proposed Total Parking	5210	ECS
27	Parking in Basements	-	ECS
28	Proposed Green Area (Minimum 15.0% ofplot area)	152505 (18%)	SQMT
	Total area	847250	sqm
	Existing trees on plot	27136	Nos
	Number of trees to be planted	500	nos
	Number of trees to be transplanted/cut	-	-
29	Total Solid Waste Generation	4.173	TPD
30	Organic waste	1.669	TPD
31	Mode of Treatment & Disposal	Will be treated in Organic Waste Converter and used as manure for gardening.	-
32	Quantity of Sludge Generated from STP &Disposal	50	KG/ DAY
33	Quantity of E-Waste Generation & Disposal	-	KG/DAY
34	Quantity of Hazardous waste Generation &Disposal	-	LPD


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34	Total Power Requirement	2320	KVA
35	DG set backup	1 No. of 125 kVA, 1 No. of 200 KVA, 1 No. of 250 kVA, 1 No. of 320 kVA. 2 Nos of 500 kVA	KVA
36	No of DG Sets	6	No.
37	Solar Panels – Roof Coverage	50%	%
38	Hot Water Requirement	2.5 KLD	
	Of which met by Solar Panels		

D. Ecological Damage Assessment, Natural and Community Resource Augmentation Plan assessment.

During the Violation Period, impacts on the Environmental Components viz. Air, Water, Land, Biological and Socio-economics Environment are assessed based on the Norms specified by the Central Pollution Control Board (CPCB) to implement “Polluter Pays” Principle and to levy Environmental Compensation for Restoration of Environmental Damages (‘Report of the CPCB In-house Committee on Methodology for Assessing Environmental Compensation and Action Plan to utilize the Fund’ based on the Agenda Note of 63rd Conference of Chairman and Member Secretary of PCBs/Committees held on 18.03.2019).

The Environmental Compensation shall be based on the following formula:

$$EC = PI \times N \times R \times S \times LF$$


Where,

EC is Environmental Compensation in Rupees

PI = Pollution Index of Industrial Sector

N = Number of days of violation took place

R = A factor in Rupees for EC


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S = Factor for Scale of Operation

LF = Location Factor.

- i. Industrial sectors have been categorized based on Pollution Index range 60 to 100 means Red, 41 to 59 Orange, 21 to 40 Green.
- ii. The period between the day of violation observed/due date of direction's compliance and the date of verification by CPCB/SPCB/PCC is considered as number of days violation took place.
- iii. Factor in rupees is minimum 100 and maximum 500 so it is suggested to consider R as 250, as the Environmental Compensation in cases of violation / damage.
- iv. Scale of Operation in terms of 0.5 for micro or small / 1.0 for medium / 1.5 for large units.
- v. Location in terms of proximity to the large habitations and industry unit. For the industrial unit located within Municipal Boundary or upto 10km distance from the boundary of the city/ town. Following factors (LF) may be used:

Sl. No.	Population (million)	Location Factor (LF)
1	Less than 1	1.0
2	1 to < 5	1.25
3	5 to < 10	1.5
4	10 and above	2.0

For critically polluted areas / Ecologically Sensitive areas, the scope of LF may be examined further.

Parameters Value considered for damage assessment for the current proposal:

Parameter	Value	Description
Pollution Index (PI)	80	The project is Building and construction project and the project falls under Schedule 8(b) of EIA Notification, 2006. The total built-up area of the project is 3,10,612.66 Sq.m. The project is


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		considered under Red Category (Pollution Index 60 to 100) Thus, the pollution index of 80 (average) is considered.
Number of days of violation took place (N)	5729	Start date is considered as 01.01.2008 (the date when the built-up area of the proposal exceeded 20,000 sq.m after 14.09.2006) End date is taken until the date of 408 th SEAC meeting i.e, 08.09.2023 Total 5729 days
Rupee factor for EC (R)	250	The project falls under violation category. The project was started without obtaining Environmental Clearance. Thus, the rupee factor for Environmental Compensation is considered as 250.
Scale of Operation factor (S)	1	Since it is an educational institution, the project is considered as medium unit Thus, factor for scale of operation is considered as 1.0.
Location Factor (LF)	1.25	The location factor varies from 1.0 to 2.0. The project site falls in Thaiyur B Village of Tiruporur Taluk, Chengalet District. Thus, the total population falls under less than 5 million. Hence, value is considered as 1.25

Detailed Calculation:

Environmental Compensation (EC) as derived by CPCB:

$$EC = PI \times N \times R \times S \times LF$$

$$EC = 80 \times 5729 \times 250 \times 1 \times 1.25 = \text{Rs. } 14,32,25,000 \text{ /-}$$

Thus, Environmental Compensation is Rs. 14,32,25,000 /-

Sl. No	Activity Proposed	Total, Rs. (in crores)


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1	Cost of Ecological Damage Remediation Plan	2.864
2	Natural Resource Augmentation Plan	5.729
3	Community Resource Augmentation Plan	5.729
Grand Total		14.322

The details of amount which will be spent for Ecological Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan is given below.


1	Ecological Remediation Plan	2.864	To be used for restoration activities in and around the campus
2	Establishment of Blue Green Centres and School Green Corners through the Auroville Foundation.	10	The location of Blue Green Centre may be decided in consultation with the Secretary, Forest Department, Government of Tamil Nadu. The location of School Green Corners may be decided in consultation with the Auroville Foundation.
3	Community Resource Augmentation	1.208	To be utilised for providing rescue & rehab vehicles to 10 tribal villages through the Secretary, Forest Department, Government of Tamil Nadu.
4	Anna University, Department of Mining Engineering.	0.25	To enhance the SEIAA website to make GIS based information on ECs issued and conditions imposed available to the public.


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The Committee decided to recommend the proposal for grant of Environmental Clearance under violation category subject to the following conditions in addition to the normal conditions & the conditions in Annexure II of this minutes:

1. The amount prescribed for Ecological remediation (Rs. 2.864 crores), natural resource augmentation (Rs. 5.729 crores) & community resource augmentation (Rs.5.729 crores), totaling Rs. 14.322 crores shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year from the date of issue of EC. If not the bank guarantee will be forfeited to TNPCB without further notice.
3. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
4. The proposed construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
5. The Project proponent shall continue to operate the existing STP & ETP effectively so as to maintain the standards prescribed by the TNPCB for treated sewage.
6. The Project proponent shall utilize the treated sewage for the development of green belt and toilet flushing after achieving the standards prescribed by the TNPCB.
7. All the mitigation measures committed by the project proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed meticulously.


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8. The proponent shall provide solar panels covering 40% of terrace area as committed.
9. The project proponent shall provide sewage treatment plant 1100 KLD and treated water shall be utilized for flushing and green belt proposed. The excess treated water shall be utilized for Avenue plantation after obtain necessary permission from local body.
10. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor waste within project site as committed and non-Biodegradable waste to authorized recyclers as committed.
11. The height of the stacks of DG sets shall be provided as per the CPCB norms.
12. The project proponent shall submit structural stability certificate from any of these reputed institutions - IIT Madras, NIT/Trichy, Anna University Chennai-CEG Campus to TNPCB before obtaining CTO.
13. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
14. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
15. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
16. 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-I, 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.
17. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local


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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

18. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
19. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
20. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
21. No waste of any type to be disposed off in any other way other than the approved one.
22. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
23. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
24. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
25. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
26. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas,


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street lighting etc.

27. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
28. 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 include the proposed mitigation measures in the EMP and adhere the same as committed.
29. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
30. The proponent shall furnish the detail about the built-up area for all the buildings with floor wise to TNPCB every year along with the compliance report for the Environmental Clearance.
31. If any instance of EC violation/ non-compliance comes to notice, SEIAA may initiate suitable action as may be deemed appropriate.

Agenda No: 408-16


(File No: 7174/2019)

Proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 4.97.0Ha at SF.No.530/3A, 531/1A, 532, 533/1, 568/5A(P) and 569/3A of Tharuvai Village, Palayamkottai Taluk, Tirunelveli District Tamil Nadu by Thiru.S.Kasirajan- for Environmental Clearance. (SIA/TN/MIN/437108/2023, Dated: 18.07.2023)

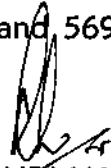
The proposal was placed in 408th meeting of SEAC held on 08.09.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru.S.Kasirajan has applied for Environmental Clearance for the proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 4.97.0Ha at SF.No. 530/3A, 531/1A, 532, 533/1, 568/5A(P) and 569/3A of


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Tharuvai Village, Palayamkottai Taluk, Tirunelveli District, Tamil Nadu.


2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

File No	7174/2019 SIA/TN/MIN/487108/2023. Dated: 18.07.2023		Category	B1
Sr No	Subject Reference of the Proposal			
1.	Name of the Owner/Firm	:	Thiru.S. Kasirajan S/o. Subbaiah No. 760, Bazaar Street Seevalaperi Palayamkottai Taluk Tirunelveli District - 627107	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone, Jelly and Gravel	
3.	S.F Nos. of the quarry site with area break-up	:	530/3A, 531/1A, 532, 533/1, 568/5A(P) and 569/3A.	
4.	Village in which situated	:	Tharuvai	
5.	Taluk in which situated	:	Palayamkottai	
6.	District in which situated	:	Tirunelveli	
7.	Extent of quarry (in ha.)	:	4.97.0Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	08°38' 34"N to 08°38'43"N 77°40'50"E to 77°40'58"E	
9.	Topo Sheet No.	:	58 H/10	
10.	Type of mining	:	Opencast semi-mechanized mining	
11.	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12.	Mining Plan Details	:	As per approved Mining Plan	


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			Rough Stone	Weathered Rock	Gravel
	Geological Resources m ³	:	27.81,184m ³	99,328m ³	49,664m ³
	Minable Resources m ³	:	7.72.636m ³	47,076m ³	24,080m ³
	Annual Peak Production in m ³	:	1.55.113m ³	47,076m ³	24,080m ³
	Ultimate Depth in meters	:	54m BGL as per ToR		
13.	Depth of water table	:	76m BGL		
14.	Man Power requirement per day:	:	36 Employees		
15.	Water requirement:		4.0 KLD		
	1. Drinking water		0.5 KLD		
	2. Utilized water	:	1.0 KLD		
	3. Dust suppression		2.0 KLD		
	4. Green belt		0.5 KLD		
16.	Power requirement	:	TNEB -		
17.	Precise area communication approved by the District collector, Department of G&M.	:	Rc. No. M1/36182/2018, dated: 21.05.2019		
18.	Mining Plan approved by Deputy Director, Department of G&M.	:	Rc. No. M1/36182/2018, dated: 22.07.2019		
19.	500m Cluster Letter approved by Deputy director, Department of G&M,	:	Rc. No. M1/36182/2018, dated: 07.08.2019		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated:24.08.2019		
21.	Project Cost (excluding EMP cost)	:	Rs. 1,03,88,000/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Weathered Rock
					Gravel


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		Max : Total in m ³	7,52,46 6m ³	47,076m ³	24,080 m ³
		Annual : Max in m ³	1,54,49 5m ³	47,076m ³	24,080 m ³
		Max : Depth in mtrs	48m BGL		
23.	EMP cost (in Rs. Lakh).	:	Rs.183.42 Lakhs		
24.	CER cost (in Rs. Lakh).	:	Rs.10 Lakhs		
25.	EIA report submitted on	:	Dated: 19.07.2023		
26.	ToR details	:	Lr.No:SEIAA-TN/F.No.7174/SEAC/ToR-841/2020, Dated: 17.02.2021.		
27.	Public hearing details	:	Public hearing conducted on Dated:15.05.2023.		

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 annual peak production capacity of not exceeding 1,54,495m³ of Rough stone, 47,076m³ of Weathered rock & 24,080m³ of Gravel by maintaining the ultimate depth of mining up to 48m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


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2. The PP shall install an embankment of not less than 1.5 m height along the boundary of mine lease existing close to the village road before obtaining the CTO from the TNPCB.
3. Since the structures are situated within a radial distance of 800 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
4. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution. Since Railway line is located at a distance of 200m, the PP shall determine the time of blasting in the quarry, in consultation with Railway Department.
5. Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-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 without any deviation.


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6. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
7. As accepted by the Project Proponent the CER cost of Rs.10 Lakhs for the activities proposed and the amount shall be spent for the activities as committed towards Government Primary School, Munnerpallam Village before obtaining CTO from TNPCB.

Agenda No: 408-17

(File No: 8623/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.99.5Ha at SF.No. 114/1B and 114/1C of Kodangipalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.R.Subramaniyam - for Environmental Clearance. (SIA/TN/MIN/437092/2023, Dated: 18.07.2023)

The proposal was placed in 408th meeting of SEAC held on 08.09.2023. 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.R.Subramaniyam has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.99.5Ha at SF.No. 114/1B and 114/1C of Kodangipalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier EC Issued - Lr.No. SEIAA-TN/F.No.3700/EC/1(a)/3164/2015, Dated:11.03.2016.


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4. CCR Obtained from MOEFCC Vide Letter No. E.P/12.1/2023-24/SEIAA/69/TN/964, Dated: 08.08.2023.


Sl. No.		24/23/2023 E.P/12.1/2023-24/SEIAA/69/TN/964, Dated: 08.08.2023	Category	Sl. No.
Salient Features of the Proposal				
1.	Name of the Owner/Firm	:	Thiru.R.Subramaniam S/o.Rangasamy No.1/404 Thachankadu Devarayanpalayam, Palladam Taluk Tiruppur-641668	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel	
3.	S.F Nos. of the quarry site with area break-up	:	114/1B and 114/1C	
4.	Village in which situated	:	Kodangipalayam	
5.	Taluk in which situated	:	Palladam	
6.	District in which situated	:	Tiruppur	
7.	Extent of quarry (in ha.)	:	1.99.5 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	11°01'25.60" N to 11°01'32.38"N 77°11'50.15"E to 77°11'54.74"E	
9.	Topo Sheet No.	:	58-E/04	
10.	Type of mining	:	Opencast mechanized mining	
11.	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12.	Mining Plan Details	:	As per approved Mining Plan	
	Geological Resources m ³	:	Rough Stone 5.05,480m ³	Gravel 10,032m ³



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	Minable Resources m ³	:	76,420m ³	8400m ³	
	Annual Peak Production in m ³	:	8,210m ³	3150m ³	
	Ultimate Depth in meters	:	47 m BGL		
13.	Depth of water table	:	62m – 58m BGL		
14.	Man Power requirement per day:	:	16 Employees		
15.	Water requirement:		2.0 KLD		
	1. Drinking water & Utilized water	:	0.5 KLD		
	2. Dust suppression	:	-		
	3. Green belt	:	1.0 KLD		
			0.5 KLD		
16.	Power requirement		TNEB 61,136 liters of HSD will be utilized for Rough stone		
17.	Precise area communication approved by the Deputy Director, Department of G&M.	:	Na.Ka.No.1500/Kanimam/2020, dated: 25.02.2021.		
18.	Mining Plan approved by Deputy director, Department of G&M.	:	Rc.No.1500/2020/Mines, dated: 05.05.2021.		
19.	500m Cluster Letter approved by Deputy director, Department of G&M.	:	Rc.No.1500/2020/Mines, dated: 05.05.2021.		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated:11.05.2021		
21.	Project Cost (excluding EMP cost)	:	Rs.1,09,16,000/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total in m ³	39,155m ³	8400m ³
		:	Annual Max in m ³	8,210m ³	3150m ³


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		:	Max Depth in mtrs	47m BGL
23.	EMP cost (in Rs. Lakh).	:	Rs.93 Lakhs	
24.	CER cost (in Rs. Lakh).	:	Rs.5 Lakhs	
25.	EIA report submitted on	:	Dated: 20.07.2023	
26.	ToR details	:	Lr.No:SEIAA-TN/F.No.8623/SEAC/ToR-1022/2021, Dated: 26.08.2021.	
27.	Public hearing details	:	Public hearing conducted on Dated:18.05.2023.	

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 annual peak production capacity of not exceeding 8,210m³ of Rough stone and 3,150m³ of Gravel by maintaining the ultimate depth of mining up to 47m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus.


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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.

3. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
4. Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-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 without any deviation.
5. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall within a period of six months to stipulate the slope stability measures & action plan for systematic monitoring of the slopes as per the DGMS (Tech) Circular No 02 dated 09-01-2020, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
6. As accepted by the Project Proponent the CER cost of Rs.8 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary


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School, Kodangipalayam Village, Palladam Taluk before obtaining CTO from TNPCB.

Agenda No: 408-18

(File No: 8798/2021)

Proposed Multi Colour Granite quarry lease over an extent of 2.13.0Ha at SF.No. 913/2B(Part) of Alambadi Village, Gujiliamparai Taluk, Dindigul District, Tamil Nadu by Tvl.S.G.Granites - for Environmental Clearance. (SIA/TN/MIN/436636/2023, Dated: 13.07.2023)

The proposal was placed in 408th meeting of SEAC held on 08.09.2023. 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, Tvl.S.G.Granites has applied for Environmental Clearance for the proposed Multi Colour Granite quarry lease over an extent of 2.13.0Ha at SF.No.913/2B(Part) of Alambadi Village, Gujiliamparai Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

1.	Name of the Owner/Firm	:	Tvl.S.G.Granites No.3. East 2nd Street Behind ICICI Bank, K.K. Nagar Madurai District-625020
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Multi Colour Granite Quarry
3.	S.F Nos. of the quarry site with area break-up	:	913/2B(Part)
4.	Village in which situated	:	Alambadi


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5.	Taluk in which situated	:	Gujiliamparai
6.	District in which situated	:	Dindigul
7.	Extent of quarry (in ha.)	:	2.13.0Ha
8.	Latitude & Longitude of all corners of the quarry site	:	10° 44'15.28" N to 10°44'20.55" N 78° 03'43.52"E to 78°03'49.78" E
9.	Topo Sheet No.	:	58 J/02
10.	Type of mining	:	Opencast mechanized mining
11.	Life of Project	:	20 years
	Lease Period	:	20 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	3,91,510m ³ of ROM, 1,37,028m ³ of Recovery@35%, 2,54,482m ³ of Granite waste@65%, & 43,628m ³ of Topsoil
	Mineable Resources m ³ (RoM)	:	1,29,605m ³ of ROM, 45,361m ³ of Recovery@35%, 84,244m ³ of Granite waste@65%, & 24,142m ³ of Topsoil
	Annual Peak Production in m ³ (RoM)	:	7975m ³ of ROM, 2791m ³ of Recovery@35% 5184m ³ of Granite waste@65% & 10,920m ³ of Topsoil
13.	Maximum Depth in meters	:	32m BGL (2m Topsoil + 30m Multi Colour Granite)
	Depth of water table	:	60m in Summer season – 55m in rainy season
	Man Power requirement per day:	:	34 Employees
	Water requirement:	:	3.5 KLD 1.0 KLD


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	4. Drinking water & Utilized water 5. Dust suppression 6. Green belt		1.5 KLD 1.0 KLD
16.	Power requirement	:	TNEB 2,07,376 liters of HSD for the entire project life
17.	Precise area communication approved by the Industries (MMB.2) Department.	:	Letter.No.1318/MMB.2/2021-1, dated:23.02.2021
18.	Mining Plan approved by the Commissioner of G&M .	:	Rc.No.683/MM2/2021, dated: 30.04.2021
19.	500m Cluster Letter approved by the Assistant Director ,Department of G&M,	:	Rc.No.604/2020 (Mines), dated: 10.06.2021.
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated:19.06.2021
21.	Project Cost (excluding EMP cost)	:	Rs. 2,32,97,000/-
22.	EC Recommendation	:	Validity 30 years subject to the following upper limits.
		:	Max Total RoM in m ³ 35,750m ³ of ROM, 12,513m ³ of Recovery@35% 23,237m ³ of Granitewaste@65% & 19,270m ³ of Topsoil
		:	Annual Max RoM in m ³ 7,975m ³ of ROM, 2,791m ³ of Recovery@35% 5,184m ³ of Granite waste@65% & 8,350m ³ of Topsoil


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		Max Depth in mtrs	32m BGL (2m Topsoil + 30m Multi Colour Granite)
23.	EMP cost (in Rs. Lakh).	:	Rs.4 Crores and 99.24 lakhs
24.	CER cost (in Rs. Lakh).	:	Rs.5,00,000
25.	EIA report submitted on	:	Dated: 17.07.2023
26.	ToR details	:	Lr.No:SEIAA-TN/F.No.8798/SEAC/ToR- 1104/2021,Dated:21.03.2022.
27.	Public hearing details	:	Public hearing conducted on Dated:20.12.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 7,975m³ of ROM, 2,791m³ of Multi colour Granite @35% Recovery, 5,184m³ of Granite waste@ 65% & 8,350m³ of Topsoil by maintaining the ultimate depth of mining up to 32m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The PP shall appoint a Geologist for carrying out the quarrying operations scientifically before the execution of lease in the office of District Magistrate.
3. Since the waterbodies such as odai are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry and to suggest the protective measures for the seasonal odai & quarrying operations, within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of


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Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-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 without any deviation.

4. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
5. As accepted by the Project Proponent the CER cost of Rs.7 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Alambadi Village, Dindigul before obtaining CTO from TNPCB.

Agenda No: 408- 19

(File No: 9640/2022)

Proposed Rough stone and Gravel quarry lease over an extent of 2.27.5Ha at SF. Nos. 48/4 (Part) & 48/5A (Part) of Palur Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by M/s. Bommi Marines Private Limited - For Environmental Clearance. (SIA/TN/MIN/410043/2022, Dt: 12.12.2022).

Earlier the proposal was placed in 364th SEAC meeting held on 23.03.2023. 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 Proponent, M/s. Bommi Marines Private Limited has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease


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over an extent of 2.27.5 Ha in SF. Nos. 48/4 (Part) & 48/5A (Part) of Palur Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu.

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

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

1. The PP shall submit a detailed letter obtained from the competent authority indicating the details of the existing pits, as the PP has been imposed a penalty for illegally mining operations.
2. The PP shall submit EC compliance report.

Subsequently, the proposal was placed in 396th Meeting of SEAC held on 28.07.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC. SEAC decided to defer the proposal to examine the documents submitted.

Now the proposal was placed in 408th Meeting of SEAC held on 08.09.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

S.NO	SEAC ADS	Reply
1.	The PP shall submit a detailed letter obtained from the competent authority indicating the details of the existing pits as the PP has been imposed a penalty for illegally mining operations.	The PP has furnished Letter from Dept of Geology & Mining, Chengalpattu District vide RC.No.2455/Mines/2022 dated 23.05.2023.
2.	The PP shall submit EC compliance report.	The PP has furnished Certified Compliance Report vide E.P/12.1/2022-23/SEIAA/301/TN/422 dated 06.04.2023.


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Sl. No.	9643/2022	Date	Category	83
Sl. No.	9643/2022			
Sl. No.	25.10.2022			
Sl. No.	Subject Features of the Proposal			
1.	Name of the Owner/Firm	:	M/s. Bommi Marines Private Limited, Managing Director, Mr.Surendra Bomma Reddy, No.499, 4th South Main Road, Kapaleeswarar Nagar, East Coast Road, Neelangarai, Chennai-600115.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone & Gravel quarry	
3.	S.F Nos. of the quarry site with area break-up	:	48/4 (Part) & 48/5A (Part)	
4.	Village in which situated	:	Palur	
5.	Taluk in which situated	:	Cheyyur	
6.	District in which situated	:	Chengalpattu	
7.	Extent of quarry (in ha.)	:	2.27.50Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	12°26'35.04853"N to 12°26'40.94371"N 80°02'7.31921"E to 80°02'15.18651"E	
9.	Topo Sheet No.	:	66- D/03	
10.	Type of mining	:	Opencast Semi-mechanized Mining	
11.	Life of Project	:	5 Years	
	Lease Period	:	5 Years	
	Mining Plan Period	:	5 Years	
12.	Mining Plan Details	:	As per approved Mining Plan	
		Rough stone	Gravel	

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	Geological Resources m ³	:	12,51,360m ³	45,579m ³
	Minal Resources m ³	:	3,79,545m ³	36,894m ³
	Annual Peak Production in m ³	:	84,780m ³	15,480m ³
	Maximum Depth in meters	:	48m BGL	
13.	Depth of water table	:	65m in rainy season - 70m in summer season	
14.	Man Power requirement per day:	:	18 Employees	
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	5.75 KLD 0.75 KLD 2.0 KLD 1.5 KLD 1.5 KLD	
16.	Power requirement	:	TNEB 309772 Liters of HSD will be utilized	
17.	Precise area communication approved by the Assistant Director, Department of G&M.	:	Roc.No.2455/Mines/2022, Dated: 31.10.2022	
18.	Mining Plan approved by Assistant Director(i/c), Department of G&M.	:	Rc.No.2455/Mines/2022, Dated: 28.11.2022	
19.	500m Cluster Letter approved by the Assistant Director(i/c), Department of G&M.	:	Rc.No.2455/Mines/2022, Dated: 28.11.2022	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:28.11.2022	
21.	Project Cost (excluding EMP cost)	:	Rs. 1,02,77,000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough stone Gravel
		:	Max Total in m ³	3,65,829m ³ 36,894m ³
		:	Annual Max in m ³	84,780m ³ 15,480m ³


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		:	Max Depth in mtrs	48m BGL
23.	EMP cost (in Rs. Lakh).	:	Rs. 185.56 Lakhs	
24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000	

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 annual peak production capacity of not exceeding 84,780m³ of Rough stone and 15,480m³ of Gravel by maintaining the ultimate depth of mining up to 48m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall within a period of six months to stipulate the slope stability measures & action plan for systematic monitoring of the slopes as per the DGMS (Tech) Circular No 02 dated 09-01-2020, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.
3. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the


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commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-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 without any deviation.

4. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
5. Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of one year from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-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 without any deviation.
6. As accepted by the Project Proponent the CER cost of Rs.5 Lakhs and the amount shall be spent for the activities as committed towards VKRT Government Higher Secondary School, Thiruvathur Village before obtaining CTO from TNPCB.

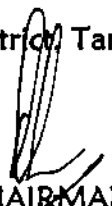
Agenda No: 408-20

(File No: 8190/2020)

Proposed Rough Stone quarry lease area over an extent of 2.60.0 Ha at S.F.No. 166 (P) of Pirattiyur (East) Village, Tiruchirapalli West Taluk, Tiruchirapalli District Tamil Nadu


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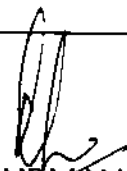
by Thiru. J. Bosco Arokiaraj - For Environmental Clearance.
(SIA/TN/MIN/436623/2023, Dated: 14.07.2023)

The proposal was placed for appraisal in this 408th meeting of SEAC held on 08.09.2023. 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 proponent, Thiru. J. Bosco Arokiaraj has applied for Environmental Clearance for the Proposed Rough Stone quarry lease area over an extent of 2.60.0 Ha at S.F.No. 166 (P) of Pirattiyur (East) Village, Tiruchirapalli West Taluk, Tiruchirapalli District, Tamil Nadu.
2. The project/activity is covered under category "B" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the precise area communication letter, the lease period is 5 years and mine plan period is 5 years. As per the approved mine plan, the annual peak production shall not exceed 84840 m³ of Rough Stone for an ultimate depth of 50m (5m above ground level + 45m below ground level).
4. ToR along with Public Hearing issued vide Lr No. SEIAA-TN/F.No.8190/SEAC/ ToR-1054/2022 Dated: 31.01.2022
5. Public Hearing conducted on 24.03.2023
6. EIA Report submitted on 17.07.2023
7. The salient features of the proposal are as follows:

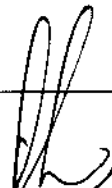
Salient Features of the Proposal		
1	Name of the Owner/Firm	: Thiru. J. Bosco Arokiaraj, S/o. A. Joseph, No.22. Colony Main Road, Crawford Colony, Tiruchirapalli District – 620 012.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Rough Stone


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3	S.F Nos. of the quarry site with area break-up	:	166 (P)	
4	Village in which situated	:	Pirattiyur (East)	
5	Taluk in which situated	:	Tiruchirapalli West	
6	District in which situated	:	Tiruchirapalli	
7	Extent of quarry (in ha.)	:	2.60.0 Ha	
8	Latitude & Longitude of all corners of the quarry site	:	10°46'13.94"N to 10°46'21.04"N 78°39'31.43"E to 78°39'37.88"E	
9	Topo Sheet No.	:	58 - J/9	
10	Type of mining	:	Opencast Mechanized Mining	
11	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone	Rough Stone
			9,08,190 m ³	-
	Minable Resources m ³ (RoM)	:	Rough Stone	Rough Stone
			4,15,425 m ³	-
Annual Peak Production in m ³	:	Rough Stone	Rough Stone	
		84,840 m ³	-	
Ultimate Depth in meters	:	50m (5m above ground level + 45m below ground level)	-	
13	Depth of water table	:	68m-65m bgl	
14	Man Power requirement per day:	:	22 Nos.	
15	Water requirement:		2.1 KLD	
	1. Drinking water		1.1 KLD	
	2. Utilized water	:	-	
	3. Dust suppression		0.5 KLD	
	4. Green belt		0.5 KLD	


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16	Power requirement	:	3,32,336 Liters of HSD	
17	Precise area communication approved by District Collector	:	Rc.No.09/2020/Mines, Dated:17.11.2020	
18	Mining Plan approved by Assistant Director, Department of G&M	:	Rc.09/2020/Mines, Dated: 04.12.2020	
19	Department of G&M, Assistant Director 500m Cluster Letter	:	Rc.No.09/2020/Mines, Dated:09.12.2020	
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated 20.04.2021	
21	Project Cost (excluding EMP cost)	:	Rs. 96,00,000/-	
22	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:	Max Total RoM in m ³	4,15,425 m ³
		:	Annual Max RoM in m ³	84,840 m ³
		:	Max Depth in mtrs	50m (5m above ground level + 45m below ground level)
23	EMP cost (in Rs. Lakh).	:	Rs. 48,41,863/-	
24	CER cost (in Rs. Lakh).	:	Rs. 25,00,000/-	

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 annual peak production capacity not exceeding 84840m³ of Rough Stone by maintaining the ultimate depth of mining up to 50m (5m above ground level + 45m below ground level) and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


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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 carry out the green belt activities with avenue plantation along the road and within the mine premises for not less than 2000 no of trees before obtaining the CTO from the TNPCB.
3. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall within a period of six months to stipulate the slope stability measures & action plan for systematic monitoring of the slopes as per the DGMS (Tech) Circular No 02 dated 09-01-2020, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, and Anna University Chennai-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 without any deviation.
4. Since the structures are situated within a radial distance of 300 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, and Anna University Chennai-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 without any deviation.
5. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance


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of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution. Since the Railway line is located within a radial distance of 250m, the PP shall determine the time of blasting in the quarry, in consultation with Railway Department.

6. The PP shall give an affidavit at the time of lease execution that no blasting operations are carried out by the persons other than the blaster/mine mate/mine foreman appointed by him in the proposed quarry.
7. The proponent shall maintain the public roads existing adjacent to the quarry site in par with the IRC Guidelines.
8. As accepted by the Project Proponent the CER cost of Rs. 25 lakhs and the amount shall be spent for the activities as committed towards the Government Arts College, Tiruchirapalli District, before obtaining CTO from TNPCB.


Agenda No: 408-21

(File No: 8883/2022)

Proposed Rough Stone and Gravel quarry lease area over an extent of 2.19.0 Ha at S.F.Nos. 220/2 & 220/3 of Aladipatti Village, Aruppukkottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. M. Duraipandian - For Environmental Clearance. (SIA/TN/MIN/437047/2023, Dated: 17.07.2023)

The proposal was placed for appraisal in this 408th meeting of SEAC held on 08.09.2023. 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 proponent, Thiru. M. Duraipandian has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry lease area over an extent of 2.19.0 Ha at S.F.Nos. 220/2 & 220/3 of Aladipatti Village, Aruppukkottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under category "B" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the precise area communication letter, the lease period is 5 years and mine plan period is 5 years. As per the approved mine plan, the annual peak production shall not exceed 64,752 m³ of Rough Stone for an ultimate depth of


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37m below ground level.

4. Earlier, EC was accorded to the proponent vide Lr. No.SEIAA-TN/F.No. 2411/EC/1(a)/1284/2014 dated: 20.05.2014 for the quantity of 183130 cu.m of Rough Stone & 31008 cu.m of Top Soil & Overburden upto a depth of 12m.
5. CCR obtained from IRO(SEZ), MoEF&CC vide E.P./12.1/2022-23/SEIAA/232/TN/80 Dt:13.01.2023.
6. ToR along with Public Hearing issued vide Lr No.SEIAA-TN/F.No.8883/SEAC/ToR-1125/2021 Dated:23.03.2022
7. Earlier in the ToR issued, production should not exceed 2,30,562 m³ of Rough Stone & 36m³ of Gravel with an ultimate depth of 37m (2m gravel + 35m rough stone) below ground level.
8. Public hearing conducted on 03.11.2022
9. EIA Report submitted on 19.07.2023
10. The salient features of the proposal are as follows:

1	Name of the Owner/Firm	:	Thiru. M. Duraipandian, S/o. Muthaiah, No.4/58A, North Street, Melappatti Village, Sivalarpatti Post, Vilathikulam Taluk, Thoothukudi District - 628 905.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone and Gravel
3	S.F Nos. of the quarry site with area break-up	:	220/2 & 220/3
4	Village in which situated	:	Aladipatti
5	Taluk in which situated	:	Aruppukkottai
6	District in which situated	:	Virudhunagar


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7	Extent of quarry (in ha.)	:	2.19.0 Ha			
8	Latitude & Longitude of all corners of the quarry site	:	9°28'28.1060"N to 9°28'24.8173"N 78°12'16.8688"E to 78°12'10.2578"E			
9	Topo Sheet No.	:	58 - K/3			
10	Type of mining	:	Opencast Mechanized Mining			
11	Life of Project	:	10 years			
	Lease Period	:	5 years			
	Mining Plan Period	:	5 years			
12	Mining Plan Details	:	As per approved Mining Plan		As modified by SEAC	
	Geological Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
			4,65,413 m ³	508 m ³	-	-
	Mirable Resources m ³ (RoM)	:	Rough Stone	Gravel	Rough Stone	Gravel
			2,30,562 m ³	36 m ³	2,20,587 m ³	-
	Annual Peak Production in m ³	:	Rough Stone	Gravel	Rough Stone	Gravel
		64,752 m ³	-	61,902 m ³	-	
Ultimate Depth in meters	:	37m (2m gravel + 35m rough stone) below ground level		-		
13	Depth of water table	:	55m-60m bgl			
14	Man Power requirement per day:	:	18 Nos.			
15	Water requirement:	:	1.81 KLD			
	1. Drinking water	:	0.81 KLD			
	2. Utilized water	:	-			
	3. Dust suppression	:	0.5 KLD			
	4. Green belt	:	0.5 KLD			


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16	Power requirement	:	1,84,454 Liters of HSD		
17	Precise area communication approved by Assistant Director, Department of G&M.	:	Na.Ka.No. KVI/178/2019-Kanimam, dated:07.10.2021		
18	Mining Plan approved by Assistant Director, Department of G&M.	:	Roc. No: KVI/178/2019, dated:20.11.2021		
19	Department of G&M, Assistant Director 500m Cluster Letter	:	Roc. No: KVI/178/2019, dated:20.11.2021		
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter dated 26.11.2021		
21	Project Cost (excluding EMP cost)	:	Rs. 48,20,000/-		
22	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
			Max Total RoM in m ³	2,20,587 m ³	36 m ³
			Annual Max RoM in m ³	61,902 m ³	-
	Max Depth in mtrs	37m (2m gravel + 35m rough stone) below ground level			
23	EMP cost (in Rs. Lakh).	:	Rs. 65,49,906/-		
24	CER cost (in Rs. Lakh).	:	Rs. 5,00,000/-		

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 annual peak production capacity not exceeding 61902m³ of Rough Stone by maintaining the ultimate depth of mining upto 37m (2m gravel + 35m rough stone) below ground level and subject to the standard conditions as per the Annexure 1 of



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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. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall within a period of six months to stipulate the slope stability measures & action plan for systematic monitoring of the slopes as per the DGMS (Tech) Circular No 02 dated 09-01-2020, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, and Anna University Chennai-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 without any deviation.
3. Since the structures are situated within a radial distance of 300 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, and Anna University Chennai-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 without any deviation.
4. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.


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5. The PP shall give an affidavit at the time of lease execution that no blasting operations are carried out by the persons other than the blaster/mine mate/mine foreman appointed by him in the proposed quarry.
6. As accepted by the Project Proponent the CER cost of Rs. 5 lakhs and the amount shall be spent for the activities as committed towards the Government Primary School, Kalayarkarisalkulam, Virudhunagar District, before obtaining CTO from TNPCB.

Agenda No: 408 - 22.

(File No: 7855/2020)

Existing Rough stone & Gravel quarry lease over an extent of 1.57.5ha at S.F.No.232/2 in Kokkalai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by Tmt. P.Ramayee - For Environmental Clearance. (SIA/TN/MIN/437716/2023 Dt. 22.07.2023)

The details of the proposed project are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt.P.Ramayee has applied for Environmental Clearance for the existing Rough stone & Gravel quarry lease over an extent of 1.57.5ha at S.F.No.232/2 in Kokkalai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained EC from SEIAA vide Ec. No: Lr.No. SEIAA-TN/F.No.2792/EC/1(a)/1734/2015, Dated:13.03.2015 for the existing rough stone & Gravel quarry lease over an extent of 1.57.5ha at S.F.No.232/2 in Kokkalai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu for depth of 32m.
4. ToR vide. Lr No.SEIAA-TN/F.No.7855/SEAC/ToR- 859/2020 Dated:12.03.2021 for the production of 1,12,043 m³ of Rough Stone & 10836m³ of Gravel and for the depth of 32m.
5. Public Hearing Conducted on 09.02.2023.
6. EIA Received on 25.07.2023.


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7. The precise area communication was issued for the period of 5 years. The approved mining plan is for the period of 1st five years & production should not exceed 1,12,043m³ of Rough Stone & 10836m³ of Gravel. The annual peak production is 29023m³ of Rough Stone (4th Year) & 5504m³ of Gravel (1st Year). The depth of mining is 32m BGL.

After presentation, SEAC decided to call for additional particulars as follows.

1. The PP shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance Stated therein.

Agenda No. 408 – 23

File No. 8023//2020).

Proposed Black Granite Quarry lease over an extent of 0.76.0Haat S.F.No.132/1A, 132/1B, 132/1C & 132/1Dof Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Tmt. Mohana Gopinath (Legal Heir of Late.Thiru.A.Gopinath) -For Environmental Clearance. (SIA/TN/MIN/179439/2020, Dt: 17.10.2020)

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

The SEAC noted the following:

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

1. The Project Proponent, Tmt.Mohana Gopinath (Legal Heir of Late.Thiru.A.Gopinath) has applied for Environmental Clearance for the Black Granite Quarry lease over an extent of 0.76.0Ha at S.F.No.132/1A, 132/1B, 132/1C & 132/1Dof Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The quarry lease was granted in G.O. (3D) No.44, Industries (MMB3) Department Dated 26.03.2004 for a period of 20 years. The lease deed was executed on 14.06.2004. The lease deed will expired on 13.06.2024. The quarrying operation


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commenced after getting the Government order.

4. The mining plan is approved by Director, Geology and Mining, Chennai Vide Roc. No. 1049/MM2/2003 Dated 01.03.2004. However, the quarry is being operated with 'Deemed Mining Plan' & "Deemed Review of Scheme' under MCDR.
5. However, the Earlier EC was issued to the project vide Lr.No.SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,

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

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


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10. Further, the PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the quarrying operation on hold even though the permit was available to operate the quarry after May 2020.

Here, the SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 January, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid....."*.

Hence, the validity of the EC issued earlier in 2016 is deemed to be valid upto 28.02.2022.

11. Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 12.03.2022 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.

12. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 08.11.2025 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that *"...The mining plan once approved shall be valid for the entire duration of the lease....."*

13. Here, the Cauvery (North) Wild Life Sanctuary is located at a distance of 2.50 km west from the quarry lease site.

14. However, due to the notified Cauvery North Wildlife Sanctuary, the quarrying operation was suspended from May 2017 to May 2020 for obtaining the NBWL clearance from the Competent Authority due to MOEF draft notification as the


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buffer zone for Cauvery Wild Life Sanctuary was falling within 10 kms from the quarry.

15. Now, the PP has submitted NOC from Wildlife Warden, Hosur Forest Extension vide Proc. No.6526/2017/L Dated: 04.10.2019 in regard to Cauvery North Wildlife Sanctuary based on PCCF & CWLW Ref.no. WL5(A)/42997/2017 Dt:25.09.2019. Earlier, the quarry operation was stopped from 01.05.2017 to 31.05.2020 due to non-availability of NBWL clearance.
16. During Presentation the PP has informed the following.
- The PP has submitted death certificate of applicant and legal heir certificate
 - Application for review of scheme of mining plan was submitted on 01.04.2019.
 - In regard to approval of review of scheme of mining plan by Commissioner of Dept. Of Geology & Mining.

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

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

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

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

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


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(4) The Regional Controller or the authorised officer 2 [or the officer authorised in this behalf by the State Government, as the case may be.] shall convey his approval or refusal to the scheme of mining within ninety days of the date of its receipt.

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


17. At present, the mining plan is valid until 2024 & the production should not exceed the quantity of ROM – 5,935m³ (Recovery @30% of Black Granite =1480 m³& Waste/ reject @ 70% = 3455 m³). The ultimate depth of mining upto 30m BGL.

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

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

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

In this connection, the proposal was again placed in this 337th SEAC Meeting held on 13.12.2022. Based on the presentation and document furnished by the project proponent, SEAC after detailed deliberation observed that the proponent has not


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furnished the details sought by the SEIAA vide its minutes of 568th Authority meeting held on 08.11.2022 & 09.11.2022 and replies furnished were not satisfactory.

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

Subsequently, the subject was placed in 582th authority meeting held on 09.01.2023. The authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 13.12.2022.

The proposal was again placed for appraisal in 366th meeting of SEAC held on 30.03.2023. During committee meeting the PP has submitted the copy of Certified Compliance Report (CCR) Dt:15.12.2022 from IRO (SEZ), MoEF&CC, GOI in regard to queries raised by 337th SEAC Meeting held on 13.12.2022 and the SEAC noted that in the said certified compliance report it was reported that the PP has not obtained Consent to Establish (CTE) and Consent to Operate (CTO) from TNPCB for the earlier EC period.

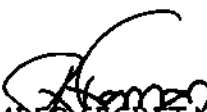
Hence, the SEAC has decided to seek explanation of project proponent for non-fulfilment of compliance cited in the CCR regarding (i) the failure to obtain the CTO/CTE (ii) failure to carry out the plantation (iii) free silica report of the persons employed in the mine during the previous EC period.

The Proposal was placed in 383rd SEAC meeting held on 15.06.2023. During committee meeting the PP has submitted the copy of Certified Compliance Report IRO / TNPCB.

SEIAA Minutes:

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

1. Certified compliance report obtained from IRO, Chennai/MoEF & CC (or) the Concerned DEE/TNPCB.
2. From the KML file, it was noted that no provision has been made to show the safety berm, possessing at least the dimension of bench width fulfilling the legal provisions of MMR 1961. Hence the PP shall furnish a valid scheme mining plan &


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sections approved by the AD (Geology & Mining) indicating proper bench geometry and fencing photographs.

3. Details of copy of correspondence of no. of permits issued AD (Geology & Mining) for the previous EC period for taking decision.

The project proponent furnished reply on 25.07.2023. The proposal was again placed 408th SEAC Meeting held on 08.09.2023 and during the meeting the Committee noted that the project proponent was absent for the meeting. Hence the subject was not taken up for discussion.

Agenda No: 408-24

(File No: 6239/2018)

Existing Limestone Mine over an extent of 4.71.5 Ha at S.F.Nos. 116/1(P), 123/2B(P), 123/2C, 123/2D, 123/2E1B, 123/2E1C, 123/2E1G(P), 123/2E1D & 123/2E1F(P) of Chinnagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu by Tvl. Mahalakshmi Mines & Pulverisers - For Environmental Clearance (Under Violation Category) (SIA/TN/MIN/ 69745/2018 Dt. 08.12.2021).

The proposal was earlier placed in the 256th SEAC meeting held on 24.03.2022. 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, Tvl. Mahalakshmi Mines & Pulverisers has applied for Environmental Clearance under violation for the Existing Limestone Mine over an extent of 4.71.5 Ha at S.F.No. 116/1(P), 123/2B(P), 123/2C, 123/2D, 123/2E1B, 123/2E1C, 123/2E1G(P), 123/2E1D & 123/2E1F(P) of Chinnagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued vide Lr.No.SEIAATN/F.No.6239/ToR-327/2018 dated 11.05.2018.
4. Public hearing was conducted on 23.09.2021.
5. The salient features of the proposed quarry as follows




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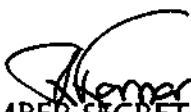
File No	SA/TN/MIN/69745/2018 DL		EC
	08.12.2021		
S. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Tvl. Mahalakshmi Mines & Pulverisers, Mr. M. Natesan Itteri Road, Nethimedu, Salem-636 002.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Limestone Mine
3.	S.F Nos. of the quarry site with area break-up	:	S.F.No. 116/1(P), 123/2B(P), 123/2C, 123/2D, 123/2E1B, 123/2E1C, 123/2E1G(P), 123/2E1D & 123/2E1F(P)
4.	Village in which situated	:	Chinnagoundanur
5.	Taluk in which situated	:	Sankari
6.	District in which situated	:	Salem
7.	Extent of quarry (in ha.)	:	4.71.5Ha
8.	Latitude & Longitude of all corners of the quarry site	:	11°28' 39.14"N to 11°28' 47.27"N 77°48'27.88"E to 77°48'36.98"E
9.	Topo Sheet No.	:	58E/15
10.	Type of mining	:	Opencast method Mining
11.	Life of Project	:	20 years
	Lease Period	:	20 years and continue for 50 years as per amended MMDR Act, 2015 (04.02.1989 to 03.02.2039)
	Mining Plan Period	:	5 years (2019-2024)
12.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources (RoM)	:	As modified by SEAC ROM 18,13,590(MT)


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			Production @ 30%	Production @ 30%
			Mineral Rejects @ 70%	Mineral Rejects @ 70%
	Minable Resources (RoM)	:	ROM- 5,17,910(MT)	ROM- 5,17,910(MT)
			Production @ 30%	Production @ 30%
			Mineral Rejects @ 70%	Mineral Rejects @ 70%
	Annual Peak Production	:	ROM- 51,840(MT)	ROM- 51,840(MT)
			Production @ 30%	Production @ 30%
			Mineral Rejects @ 70%	Mineral Rejects @ 70%
	Maximum Depth in meters	:	50m BGL	
13.	Depth of water table	:	52 – 55m BGL	
14.	Man Power requirement per day:	:	24 Nos.	
15.	Water requirement: 1. Drinking water 2. Domestic 3. Industrial, Green Belt & Dust suppression	:	3.0 KLD 1.0 KLD 2.0 KLD	
16.	Power requirement	:	TNEB	


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17.	Precise area communication approved by the Commissioner Geology & Mining.	:	Rc. No. 7582/MM1/99, dated 06.12.2006 for a period of 20 years (04.02.1989 to 03.02.2009).	
18.	Mining Plan approved by Commissioner Geology & Mining.	:	IBM vide letter No. TN/SLM/LST/ROMP-1549.MDS dated 09.04.2019	
19.	Deputy Director, Dept. of Geology & Mining 500m Cluster Letter	:	Roc.No.235/2015/Mines-A, Dated: 30.01.2017.	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 09.05.2019	
21.	Project Cost (excluding EMP cost)	:	Rs 33.80.000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits. Lime Stone Mine
		:	Max Total RoM	257285(MT) of ROM and 77186 (MT) of Production@ 30% and 180100 (MT) of Mineral Rejects @70%
		:	Annual Max RoM	51840 (MT) of ROM and 15552 (MT) of Production @ 30% and 36288 (MT) of Mineral Rejects @ 70%
		:	Max Depth in mtrs	50 m BGL
23.	EMP cost (in Rs. Lakh).	:	Capital Cost - Rs.12,66,000 Recurring Cost- Rs. 10,16,235	

24.	CER cost (in Rs. Lakh).	:	Rs. 5,00,000 /- as accepted by the PP
25.	Tor Issued		Lr.No.SEIAA-TN/F.No.6239/TOR-327/2018 Dated 11.05.2018
26.	Public Hearing		23.09.2021
27.	EIA Report Submitted		28.01.2022

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

- Suriyamalai reserve forest is located at a distance of 1.3 km. The project proponent shall obtain ground truth letter from DFO/Revenue Department clearly indicating the distance from the proposed site to the nearest point of Reserve Forest and shall obtain No objection certificate from Wild Life Warden, Salem.
- The project proponent shall revise afforestation cost in EMP.
- Since the project comes under violation category, the project proponent shall furnish status report on credible action initiated by the state Government under the provision of section 19 of the Environment (protection) Act, 1986.
- The proponent shall Re-work Environmental damage assessment as per the guidelines and formula prescribed by MoEF for the violation projects.

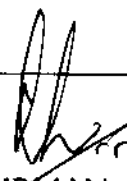
Again, this proposal was placed in the 306th SEAC meeting held on 25.08.2022. The project proponent requested SEAC to defer the proposal to submit some additional documents. SEAC, therefore, decided to defer the proposal.

The PP has furnished replies to all the points raised by SEAC and the same was placed in the 408th SEAC meeting held on 08.09.2023.

SL No	Query	Reply
1	Suriyamalai reserve forest is located at a distance of 1.3 km. The project proponent shall obtain ground truth letter from DFO/Revenue Department	DFO Letter obtained and submitted to SEIAA Office on 03.08.2023 for location of Forest at 1.60 km.


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	clearly indicating the distance from the proposed site to the nearest Point of Reserve Forest and shall obtain No objection certificate from Wild Life Warden, Salem.	
2	The project proponent shall revise afforestation cost in EMP.	Afforestation cost has been revised in EMP and submitted to SEIAA Office on 03.08.2023.
3	Since the project comes under violation category, the project proponent shall furnish status report on credible action initiated by the state Government under the provision of section 19 of the Environment (protection) Act, 1986	Credible action has been taken and the penalty levied by the TNPCB for Rs 1 lakh was paid by the PP.
4	The proponent shall Re-work Environmental damage assessment as per the guidelines and formula prescribed by MoEF for the violation projects.	Re-work Environmental damage assessment has been prepared and submitted to SEIAA Office on 03.08.2023.

The SEAC assessed the project based on Ecological damage, remediation plan and natural & community resource augmentation plan prepared and submitted by the NABET consultant on behalf of the proponent as per the guidelines mentioned in the MoEF & CC Notifications dated:14.03.2017 and 08.03.2018. The extract from the report is as follows,

S.No	Environmental Component	Remediation Plan / Activity Description	Budgetary Provision			Total Rs.Lakhs
			I	II	III	
1	Land Environment	Alignment of benches in the mined-out pit	0.35	0.35	0.35	1.0
2	Air Environment	Conducting Medical Camp for the workers worked during violation period	0.1	0.1	0.1	0.30


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3	Water Environment	Construction of rain water Harvesting pit	0.035	0.035	0.035	0.10
4	Ecology and Biodiversity	Greenbelt development around mining lease boundary	0.1	0.1	0.1	0.30
5	Socio economic Environment	Conducting medical camp for the nearest village people. Provision of SI fencing around mining lease boundary Plantation of tree saplings in Govt. school and offices and along village road	0.5	0.5	0.5	1.5
Total			1.085	1.085	1.03	3.2

Natural Resource Augmentation Plan

S.No	Activity Proposed	Budgetary Provision Rs.Lakhs			Total Rs.Lakhs
		I	II	III	
1	Development of Rain water harvesting pit in the houses of nearest village (10 Houses)	0.1	0.1	0.1	0.3
2	Installing seven numbers of 40watt solar light pole One 40-watt solar light pole = Rs.30,000	0.9	0.6	0.6	2.1
3	Plantation in common areas of villages like bus stops, Govt hospitals, VAO offices (200 trees)	0.2	0.2	0.2	0.6
4	Providing two numbers of one years taller saplings to 50 houses	0.1	0.05	0.05	0.20
Total		1.3	0.95	0.95	3.2

Community Resource Augmentation Plan


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S.No	Activity Proposed	Budgetary Provision Rs.Lakhs			Total Rs.Lakhs
		I	II	III	
1	Installation of RO Plant for safe drinking water supply to Government Hospital and Government schools in nearest Village (Capacity = 500 LPH-2 nos)	0.1	0.1	-	2.0
2	Developing Library facility in the nearest Government School	0.2	0.15	0.15	0.5
3	Repairing of damaged village road	0.2	0.15	0.15	0.5
4	Conducting Health and Safety Awareness Program among nearest village people	0.1	0.05	0.05	0.2
Total		1.5	0.35	0.35	3.2

Based on the presentation and the violation notification, the SEAC classified the level of damages by the following criteria:

Ecological Damage Assessment

The following methodologies were adopted for assessment of ecological damage.

1. CPCB methodology:

Environmental Compensation (DC) as derived by CPCB:

$$EC = PI \times N \times R \times S \times LF$$

Where

PI= Pollution Index

N=Number of days of violation took place

R=Rupee factor for EC

S= Scale of Operation factor

LF= Location Factor

However, in any case, minimum Environmental Compensation shall be Rs. 5000/day.

Detailed Calculation:

Environmental Compensation (EC) as derived by CPCB:


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$$EC = PI \times N \times R \times S \times LF$$

$$EC = 80 \times 305 \times 250 \times 0.5 \times 1.0 = \text{Rs. } 30,50,000 \text{ /-}$$

Thus, Environmental Compensation under this method is Rs. 30,50,000 /-

DAMAGE COST EVALUATION

The level of damages is assessed by the following criteria:

1. Low level Ecological damage: Only procedural violation – work/operation at site without obtaining EC.
2. Medium level Ecological damage:
 - a. Procedural violation started the construction at site or operation without obtaining EC.
 - b. infrastructural violation such as deviation from awarded EC, CTO & Mining Plan approvals.
 - c. Non operation of the project.
3. High level Ecological damage:
 - a. Procedural violation (started the construction or operation at site without obtaining EC).
 - b. infrastructural violation such as deviation from awarded EC, CTO & Mining Plan approvals.
 - c. Under Operation (occupied) without Statutory Approvals.

Thus, the Proposal falls in **Low Level Ecological Damage**.

As the Proposal falls in **Low Level Ecological Damage** and EMP measures were in place during the Violation Period, the Committee is of the opinion that the higher Environmental Compensation value has been arrived based on the EIA Model (as proposed by the Proponent) is Rs.9,60,000/- which is Less than the other estimation - Environmental Compensation values of Rs. 30,50,000/- arrived as per CPCB guidelines. Therefore, the value of Rs. 30,50,000/- must be compensated for Remediation, Natural Resource Augmentation and Community Resource Augmentation plans in accordance with the MoEF & CC Guidelines accordingly.


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Ecological Remediation Plan

S.No	Environmental Component	Remediation Plan / Activity Description	To be completed within 1 year from the date of issue of EC.
1	Land Environment	Alignment of benches in the mined-out pit	3.5
2	Air Environment	Conducting Medical Camp for the workers worked during violation period	1.0
3	Water Environment	Construction of rain water Harvesting pit	0.5
4	Ecology and Biodiversity	Greenbelt development around mining lease boundary	1.0
5	Socio economic Environment	Conducting medical camp for the nearest village people. Provision of SI fencing around mining lease boundary Plantation of tree saplings in Govt. school and offices and along village road	4.0
Total			10

Natural Resource Augmentation Plan

1	Development of Rain water harvesting pit in the houses of nearest village (10 Houses)	1.5
2	Installing twenty numbers of 40watt solar light pole One 40-watt solar light pole = Rs.30,000	6.0


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3	Plantation in common areas of villages like bus stops, Govt hospitals, VAO offices (200 trees)	2.0
4	Providing two numbers of one years taller saplings to 50 houses	0.5
Total		10

Community Resource Augmentation Plan

S.No.	Activity Proposed	To be completed within 1 year from the date of approval
1	Installation of RO Plant for safe drinking water supply to Government Hospital and Government schools in nearest Village (Capacity = 500 LPH-2 nos)	6.25
2	Developing Library facility in the nearest Government School	1.5
3	Repairing of damaged village road	1.5
4	Conducting Health and Safety Awareness Program among nearest village people	1.25
Total		10.5

S.No.	Activity Proposed	To be completed within 1 year from the date of approval
1	Cost of Ecological Damage Remediation Plan	10.0
2	Natural Resource Augmentation Plan	10.0
3	Community Resource Augmentation Plan	10.5
Grand Total		30.5

STATUTORY PROCEDURES TO BE FOLLOWED:

1. The Bank Guarantee for Rs. 35,50,000/- has to be given to TNPCB for successful implementation of the Schemes in 1 year period. The Bank Guarantee will be


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released after successful implementation of the Remediation Plan and Natural and Community Resource Augmentation Plan.

2. Credible Action under Section 19 of the E(P) Act shall also be complied for awarding the EC.

After detailed deliberation, the SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding ROM production of 51840 tonnes which includes 15552 tonnes of Usable Limestone and 36288 tonnes of Interstitial waste with an ultimate depth of mining 50 m below ground level subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The amount prescribed for Ecological remediation (Rs. 10.0 Lakhs), natural resource augmentation (Rs. 10.0 lakhs) & community resource augmentation (Rs. 10.5 Lakhs), totaling Rs. 30.5 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 30.5 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
3. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year from the date of issue of EC. If not, the bank guarantee will be forfeited to TNPCB without further notice.
4. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section


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19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

5. The company shall produce the 'No Dues Certificate' obtained from the State Government i.e. Department of Geology & Mining to the SEIAA before grant of EC.
6. The proposed action plan for green belt development shall be maintained in 33 % of the overall project area including the safety berms of the ultimate benches after completing the quarrying operation.
7. The PP shall install the Environmental Management Cell headed by the statutory Mines Manager of the concerned mine under violation category and the cell shall include a dedicated full-time Environmental Engineer exclusively to look into the effective implementation of Environmental Management Plan besides the reviewing the compliance reports with the regulatory authorities.
8. The PP shall carry out the scientific studies to assess the slope stability of the quarry wall benches and waste dumps within six months from the commencement of the mining operations, by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, IIT (ISM)/Dhanbad, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
9. Within one year from the commencement of mining operations, the PP shall carry out the scientific studies comprising all the operating leases located in a cluster situation, on 'Design of Controlled Blast Techniques for reducing the cumulative impact of blast-induced ground & air vibrations caused due to quarry blasting operation involving NONEL /Electronic initiation systems', by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc shall be carried out before the commencement of mining operations. A copy of such


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scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.

10. The PP shall carry out the comprehensive hydrogeological studies within a period of two years from the commencement of the mining operations to assess the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining and Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, Anna University Chennai-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chennai etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
11. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai.
12. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayat from whom any suggestion/representation has been received while processing the proposal.
13. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
14. 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.

Agenda No: 408-25

(File No: 9918/2023)

Proposed Multi Colour Granite Quarry over an extent of 1.93.0Ha at S.F.No. 1320/1A, 1320/1B1, 1320/1B2, 1322/1A, 1322/1C, 1322/1B, 1325/3A, 1325/3B, 1325/2B4, 1325/2B5 & 1325/2B6 of Thiruthangal Village, Sivakasi Taluk, Virudhunagar District,


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Tamil Nadu by Tvl. Stanco Traders-For Environmental Clearance. (SIA/TN/MIN/424931/2023, Dated:06.04.2023).


The proposal was earlier placed in the 384th Meeting of SEAC held on 16.06.2023. 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, Tvl. Stanco Traders has applied for Environmental Clearance for the Proposed Multi colour Granite Quarry over an extent of 1.93.0Ha at S.F.No. 1320/1A, 1320/1B1, 1320/1B2, 1322/1A, 1322/1C, 1322/1B, 1325/3A, 1325/3B, 1325/2B4, 1325/2B5 & 1325/2B6 of Thiruthangal Village, Sivakasi Taluk, Virudhunagar 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. Mining Lease was executed on 13.03.2006 for a period of 20 years till 12.03.2026.
4. Earlier, EC was accorded to the project proponent vide Lr.No.SEIAA-TN/F.No.4888/EC/1(a)/2902/2016 dated.17.02.2016 for a quantity of 2250m³ of multi-colour granite up to a depth of 45m with a maximum validity of 5 years.
5. CCR From MoEF&CC, IRO (SZ) vide E.P/12.1/2023-24/SEIAA/06/TN/563 Dt:09.05.2023.
6. Now, the proponent has submitted an application seeking Environmental Clearance for the 3rd scheme of mining (2021-22 to 2025-26) for the production of 20182m³ of multi-colour granite for an ultimate depth of 103m Below ground level.

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

- i) From the presentation made by the PP, it was informed that the amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 which means that the mine boundary is changed. The PP is requested to provide the


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total extent and quantity of combined/amalgamated area of five leases with specifying each G.O wise.

- ii) From the presentation made by the PP, it has been observed that amalgamation permission has been obtained from the Director of Mines Safety, DGMS, Chennai Region for combining the five leases under Reg. 111(1) of the MMR 1961 vide Lr. No. CSZ/CNR/Granite/Perm-111(1)/32/2016/479, dated. 28.03.2017 & Lr. No. CSZ/CNR/Granite/Perm-111(1)/33/2016/484, dated. 28.03.2017. The PP shall indicate whether the permission was obtained from the Directorate of Geology and Mining to carry out the quarrying operations in a single lease as per the permission granted by the DMS, DGMS/Chennai Region from 2017 and the PP shall provide the documentary proof for the amalgamation permission obtained from the Directorate of Geology and Mining and the validity of lease period.
- iii) The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.
- iv) Based on the approved scheme of mining submitted by the proponent in Parivesh Portal, it is ascertained that the proponent has achieved a depth of 47m during the earlier EC period (2016-2021) against the approved depth of 45m. Hence, the proponent shall furnish an explanation for exceeding the approved depth and the ambiguity in the existing pit depth. The PP shall provide the details of any permission obtained in the form of Modified Mining Plan approved by the competent authority for carrying out the quarrying operations for a depth of 47 m under the provisions of Granite Conservation & Development Rules, 1999 and the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016.
- v) As per the scheme of mining approval letter issued vide Rc.No.3687/MM2/2022 Dated: 10.02.2023, it is ascertained that

"...The Lessee has an undertaking vide Sworn affidavit dated 08.02.2023 to the effect that he shall abide by the final orders of the


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Hon'ble Madurai Bench of Madras High Court in W.P.No. W.P.No.10242/2020 regarding the compensation for E.C. Violation"

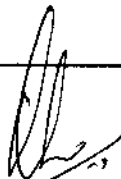
Hence, the proponent shall furnish complete details regarding the pending court case at Madurai bench of Madras High Court.

- vi) Further, during the presentation, proponent disclosed that AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.
- vii) The PP shall exhibit the technical justifications for proposing the depth of existing quarry to 103 m with maintaining the stability of the quarry wall in a safe manner.
- viii) The PP shall withdraw any duplicate files if already made with the SEIAA.
- ix) The PP shall disclose the details pertaining to the legal cases pending against the proposal if any.

The PP has furnished replies to all the points raised by SEAC and the same was placed in the 408th SEAC meeting held on 08.09.2023.

SL No	Query	Reply															
1	Amalgamation permission obtained from the Director of Mines Safety, DGMS, Chennai for combining the six Leases under Reg.111(1) of the MMR1961 which means that the mine boundary is changed. The PP is requested to provide the total extent and quantity of combined/amalgamated	Amalgamation permission for the following leases for G.O No.57, 94, 41, 33 of Stanco traders and M/s. two Gos of Standard Granites vide G.O No. 56 & 45 <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>SL. No</th> <th>Name of the PP</th> <th>G.O.No</th> <th>Extent (Ha)</th> <th>Proposed Annual Peak Production(m3)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M/s. Stanco Traders</td> <td>57</td> <td>4.41.0</td> <td>35,508</td> </tr> <tr> <td>2</td> <td>M/s. Stanco Traders</td> <td>94</td> <td>1.21.5</td> <td>13,746</td> </tr> </tbody> </table>	SL. No	Name of the PP	G.O.No	Extent (Ha)	Proposed Annual Peak Production(m3)	1	M/s. Stanco Traders	57	4.41.0	35,508	2	M/s. Stanco Traders	94	1.21.5	13,746
SL. No	Name of the PP	G.O.No	Extent (Ha)	Proposed Annual Peak Production(m3)													
1	M/s. Stanco Traders	57	4.41.0	35,508													
2	M/s. Stanco Traders	94	1.21.5	13,746													


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	area of six leases with specifying each G.O.wise.	3	M/s. Stanco Traders	33	3.29.0	14,820															
		4	M/s. Stanco Traders	41	1.93.0	12,516															
		5	M/s. Standard Granites	56	0.80.5	-															
		6	M/s. Standard Granites	45	1.47.0	-															
		Total		-	13.12.0Ha	76,590 m3															
2	SEAC seeks Permission letter from the Directorate of Geology and Mining to carry out the quarrying operations as single lease based on amalgamation permission granted by the DMS, DGMS/Chennai Region	No. The PP is not interested to make application to the Director of Geology and Mining, Chennai for Amalgamation of six leases as the conditions of circular by state Govt. is not satisfactory as expiry date of first lease shall be taken for all Leases of amalgamation.																			
3	The PP shall provide the details on the proposal given in the Second Scheme of Mining (i.e., 2013 to 2018) for which the prior EC was granted by the SEIAA and also to specify the achieved quantity against the proposed quantity.	<table border="1"> <thead> <tr> <th>YEAR</th> <th>Proposed Qty in M3 ROM</th> <th>Production in M3</th> <th>Achieved Qty in CBM</th> </tr> </thead> <tbody> <tr> <td>2016-2017</td> <td></td> <td></td> <td>4624.127</td> </tr> <tr> <td>2017-2018</td> <td></td> <td></td> <td>4027.509</td> </tr> <tr> <td>2018-2019</td> <td></td> <td></td> <td>1605.961</td> </tr> </tbody> </table>				YEAR	Proposed Qty in M3 ROM	Production in M3	Achieved Qty in CBM	2016-2017			4624.127	2017-2018			4027.509	2018-2019			1605.961
YEAR	Proposed Qty in M3 ROM	Production in M3	Achieved Qty in CBM																		
2016-2017			4624.127																		
2017-2018			4027.509																		
2018-2019			1605.961																		


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		2019-2020			
		2020-2021			
		Total			10,257.597
4	<p>In the first mining plan for the period 2006 – 2011 we have applied for the mining up to the depth of 45Mtr which was approved by the DGM, Chennai (Copy of Approved mining plan enclosed)the second scheme of mining for the period 2016-2021 we have applied for the mining up to the depth of 90Mtr (copy of deemed approval mining plan enclosed)we have not been granted any approval from the Mining Department for the Second Scheme of Mining, and the SEIAA has granted Quantity and Depth of Mining in the EC already Granted based on First Mining Plan prepared for the period 2006 – 2011,and the Scheme Mining Submitted to the DGM, Chennai was not Considered because it was Deemed Approval .(</p>	<p>The EC was granted vide Letter No. SEIAATN/F.No.4888/EC/1(a) 2902/2016 Dated 17.02.2016 for 45mtr Depth based on the Mining Plan Approved for the period 2006-2011. the second scheme of mining for the period 2016- 2021 we have applied for the mining up to the depth of 90Mtr (copy of deemed approval mining plan enclosed)</p>			


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	Copy of Deemed Approval of Second Scheme of Mining Enclosed)	
5	<p>As per the scheme of mining approval letter issued vide Rc.No.3687/MM2/2 Dated: 10.02.2023. it is ascertained that "...The Lessee has an undertaking vide sworn affidavit dated 08.02.2023 to the effect that he shall abide by the final orders of the Hon'ble Madurai Bench of Madras High Court in W.P.No.10242/2020 regarding the Compensation for E.C.Violation" Hence, the proponent shall furnish complete details regarding the pending court case at Madurai bench of Madras High Court.</p>	<p>The District Collector Virudhunagar has issued the Demand Notice for Transport Permit excessively obtained beyond the EC Quantity Granted by SEIAA vide Letter No. SEIAATN/F.No.4888/EC/1(a) 2902/2016 Dated 17.02.2016.</p> <p>The PP filed the WP No.10242/2020 against the order of the District Collector. Based on the amended EC obtained from SEIAA vide Letter No. SEIAA-TN/F.No.4888/EC/1(a) 2902/Amend/2016 Dated 18.02.2021 for ROM Quantity. 9EC Qty – Recoverable Reserves = 2250m³, Granite Waste 237050m³, ROM= 239300m³)</p> <p>The PP challenge the order of the district Collector Virudhunagar at Madurai Bench of Madras High Court. The issue is ROM Vs Production as a result of changes in Percentage of Recovery. There is no change in Run of Mine (ROM) or excavated Quantity during this Period. We have obtained Transport Permit from the DD Mines Virudhunagar within the ROM Quantity as Approved by the SEIAA vide Letter No. SEIAATN/F.No.4888/EC/1(a) 2902/Amend/2016 Dated 18.02.2021. This is explained to the Court by filing the Affidavit and through Argument by our Senior Advocate Based on the Amendment EC obtained from the SEIAA. Based on this The District Collector Virudhunagar Demand Notice is Set aside by the Madurai Bench of Madras High Court in WP. No. 10242/2020 Vide order Dt. 06.06.2023. the Court order has been sent to District Collector Virudhunagar for the Closure of his Demand notice (Copy of Madurai Bench of Madras High Court order dated 06.06.2023 Enclosed)</p>


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6	Further, during the presentation, proponent disclosed that the AD/Mines levied penalty for excess quantity mined. Hence, the proponent shall submit the details regarding the quantity for which penalty was levied.	Extent	Qty (M3)	Rate /Cu.m (Rs)	Total Penalty Amount (Rs)
		1.93 Ha	8611.794	2065	1,77,83,355
7	The PP shall exhibit the technical justifications for proposing the Depth of existing Quarry to 103mtr with maintaining the stability of the quarry wall in a safe manner.	Safe benches each of 6m height and 6m width have been designed as per Reg. 106 (2) (b) of MMR,1961 and it has been approved by the DGM, Chennai.			
8	The PP shall withdraw any duplicate files if already made with the SEIAA.	The duplicate files have been withdrawn.			
9	The PP shall disclose the details pertaining to the legal cases pending against the proposal if any.	There is no legal case pending against the PP.			

Further, the SEAC noted the following from the presentation made by the PP.

Descripti on	As per EC	As per the AMP	Actually Achieved	Remarks
ROM	Not mentione d in the EC	4500m ³	20,514 m ³	As against the quantity of 4500m ³ actual mined quantity was 20514m ³ For the excess quantity mined, the Dept. of G&M has levied a penalty of Rs. 1,77,83,355. The PP has not paid



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				the penalty, and challenged in the High Court of Madurai Bench and the Bench has allowed the petition on the ground of natural justice. However, the mined quantity is within the EC ROM quantity (239300m ³).
Saleable Granite	2250m ³	2250m ³	10,257.597 m ³	
Depth	45m	45m	47m	
ROM as per Amended EC	ROM :239300 m ³ (Granite reserves 2250m ³ . Granite Waste 237050 m ³)	ROM :239300m ³ (Granite reserves 2250m ³ . Granite Waste 237050m ³)	Granite production: 10,257.597 m ³ Granite reject: 10,257m ³	


From the Presentation made by the PP and documents submitted, it is further ascertained that the proponent has exceeded the quantity and depth against the approved mining plan. In view of the above, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. The grant of Terms of Reference (TOR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.


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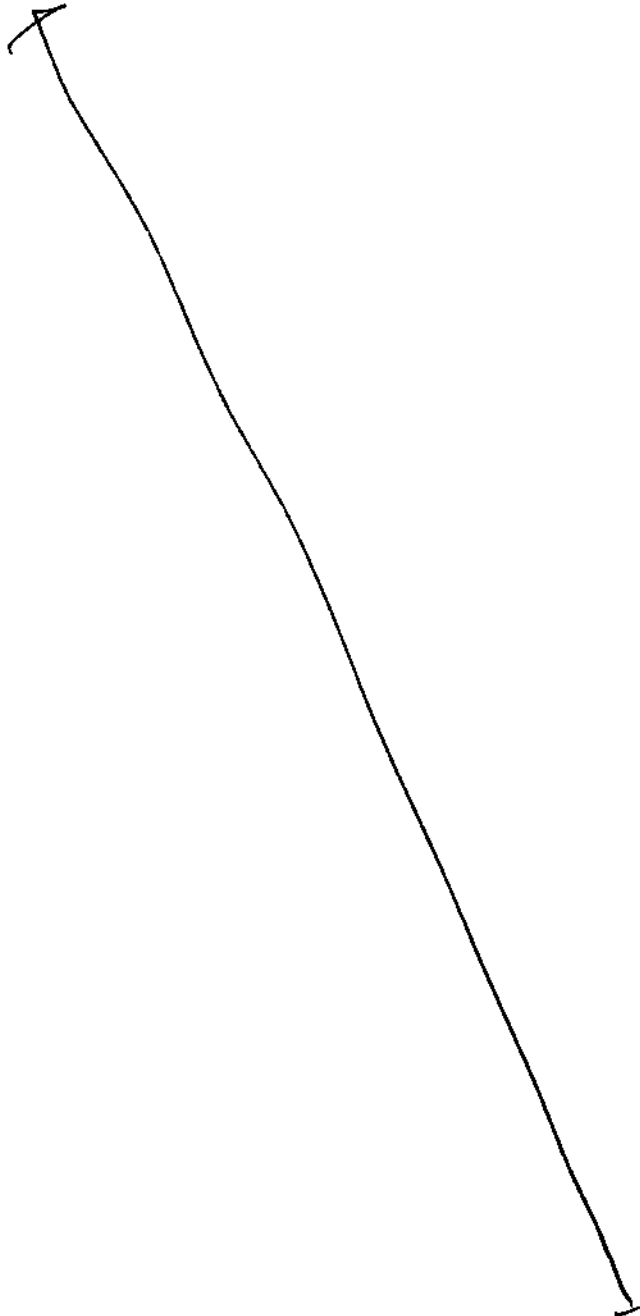

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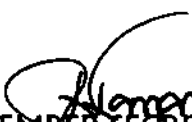
1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants within a period of one year from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.
2. The proponent shall withdraw the pending EC application SIA/TN/IMN/420624/2023, Dated 09.03.2023 (9918/2022) from PARIVESH Portal.
3. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
4. The PP shall furnish letter from AD, mines including the following details,
 - (i) Existing pit dimension through precise mine surveying (DGPS)
 - (ii) Quantity achieved Vs EC Approved Quantity
 - (iii) Balance Quantity as per Mineable Reserve calculated.
 - (iv) Mined out Depth as on date Vs EC Permitted depth
 - (v) Details of illegal/illicit mining carried out in the proposed quarry site
 - (vi) Violation in the quarry during the past working.
 - (vii) Quantity of material mined out outside the mine lease area
 - (viii) Condition of Safety zone/benches as on date
5. The project proponent besides above must submit the No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957.
6. Copy of total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.


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7. The SEAC also recommends that SEIAA may look into any other legal and regulatory issues that are applicable before issuing the post mining EC.




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ANNEXURE-I

1. 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.
2. 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.
3. 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.
4. 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.
5. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
6. 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.
7. 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.
8. 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.


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9. 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.
10. 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.
11. 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.
12. 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 20° or more or areas with a high degree of erosion on forestland.
13. 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.
14. The PP shall not use plastic carry bags within the quarry area.
15. 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.
16. 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.


GRAVEL AND EARTH & SAND QUARRY - GENERAL CONDITIONS


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1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview of Mines Act 1952.
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. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short-Term Permit (STP), Query license or any other name.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.


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8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. 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.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per


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IRC Guidelines with respect to complying with traffic congestion and density.

14. 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.
15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. 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 (TNPCCB) by the proponent without fail.
18. 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.
19. 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.
20. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the


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Precise area communication letter issued by concerned District Collector should be strictly followed.

21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
22. 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.
23. 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.

- 1) The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
- 2) 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.
- 3) The proponent shall appoint the statutory competent persons relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961, as amended from time to time.
- 4) Within a period one month from the execution of lease deed, the PP shall ensure that the persons deployed in the quarry including all the contractual employees/truck drivers shall undergo initial/periodical training in the DGMS approved GVTC situated in Trichy / Salem / Hosur.


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- 5) The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
- 6) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
- 7) The proponent shall install 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.
- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.
- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.


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- 11) The PP shall meticulously carry out the mitigation measures as spelt out in the approved EMP.
- 12) 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 should be adopted by considering the wind direction.
- 13) The Project Proponent shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and should not be diverted for other purposes. Year-wise expenditure should be included in the HYCR.
- 14) The Project Proponent shall send a copy of the EC to the concerned Panchayat/local body.
- 15) Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required, in coordination with the concerned Govt. Authority.
- 16) Perennial sprinkling arrangements shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
- 17) 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 are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.
- 18) 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.
- 19) 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. The plant species with dense/moderate canopy of native origin should be chosen. Species of


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small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

- 20) Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
- 21) **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 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.
- 23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.
- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25) 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. 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.

- 26) 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.
- 27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
- 28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29) 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.
- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
- 32) 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.


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- 33)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.
- 34)The project proponent shall ensure that the provisions of the MMDR Act, 1957&the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
- 35)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.
- 36)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.
- 37)All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
- 38)That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
- 39)As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed


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due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

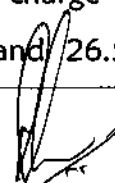
40) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

41) As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE VILLAGE		
No.	Proposed Mitigation Measure	Special Mitigation Measure
1.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.
2.	Special precautions are to be taken during blasting within danger zone such as posting guards, etc.	Blast design parameters should be mentioned in mining plan/scheme. and may be reviewed by a competent mining engineer.
3.	Blast design parameters should be mentioned in mining plan/scheme.	MCPD and total charge should be fixed such that it should not exceed 1.3 kg and 26.50 kg respectively.
4.	The recommendations of scientific organisation need to be incorporated in the mining plan/scheme before its approval.	Fresh scientific study may be conducted if mine management wants to increase the MCPD and total explosive charge above the quantity of 1.30 kg and 26.50 kg


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		respectively. Continuous monitoring using seismograph should also be done in such cases by the mine management.
5.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.
6.	Training of the blasting crew on controlled blasting practices before engaged in operation.	Training of the blasting crew on controlled blasting practices before engaged in operation.
7.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, SPCB. Report of recorded ground vibration need to be added in monthly report.
8.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.
9.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.


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10.	Electronic (or) Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.	Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.
11.	Max. number of holes in a round: 30.	Max. number of holes in a round: 40 to 60.


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TERMS OF REFERENCE (TOR) FOR GRANITE / ROUGH STONE QUARRY

1. In the case of existing/operating mines, a letter obtained from the concerned AD (Mines) shall be submitted and it shall include the following:
 - (i) Original pit dimension
 - (ii) Quantity achieved Vs EC Approved Quantity
 - (iii) Balance Quantity as per Mineable Reserve calculated.
 - (iv) Mined out Depth as on date Vs EC Permitted depth
 - (v) Details of illegal/illicit mining
 - (vi) Violation in the quarry during the past working.
 - (vii) Quantity of material mined out outside the mine lease area
 - (viii) Condition of Safety zone/benches
 - (ix) Revised/Modified Mining Plan showing the benches of not exceeding 6 m height and ultimate depth of not exceeding 50m.
2. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
3. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
4. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
5. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.


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6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. 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.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. 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.

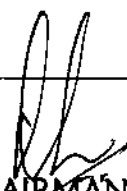

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12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
14. Quantity of minerals mined out.
 - Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. 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.
18. 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.


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19. 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 the 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.
20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
21. 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.
22. 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.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. 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


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- encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
25. 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.
 26. 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.
 27. 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.
 28. Impact on local transport infrastructure due to the Project should be indicated.
 29. 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.
 30. A detailed mine closure plan for the proposed project shall be included in EIA/EEMP report which should be site-specific.
 31. 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.
 32. 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-I 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.

33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly 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
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.


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39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. 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.
41. 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.
42. 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.
43. 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.


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Annexure II

1. stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).
2. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
3. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions


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on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.

5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.


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14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.


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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>Adenaanthera pavonina</i>	Manjadi	மஞ்சள், ஆமரகத்தாழிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாடை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aafhi	ஆஃபி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	கட்டிமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Borax caba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Purnai	புர்னை
13	<i>Cassia fistula</i>	Serakondrai	சரகொண்டரை
14	<i>Cassia roxburghii</i>	Senpondrai	சென்செண்டரை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கொங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvudi	நருவூதி
18	<i>Cretoa adansonii</i>	Mavalingum	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீரு உவா
21	<i>Diospyro sebenum</i>	Karungali	கரங்கலி
22	<i>Diospyro schloroxylon</i>	Vagarai	வாகரை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆத்ரபூவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயில் மரம், ஆயில்
27	<i>Lantana coromandelica</i>	Odhiam	ஒடியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் நெட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விளா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Mapizhamaram	மாபிழமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெலை நுனா
38	<i>Phoenix sylvestre</i>	Eachi	ஏச்சுமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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Appendix -III

Display Board

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

சுரங்கம்

சுரங்கங்களில் சுவாமி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வரலாற்றுத்துறை SEAAV, தேதி 01.01.2016, சுற்றுச்சூழல் அனுமதி தேதி வரை செயல்படுத்தக்கூடாது உண்டா.

பணிகளை பற்றி வளர்ச்சி செயல்பாட்டுக்கான அனுமதி திட்டம்	சுவாமியின் எல்லைவரையில் சுற்றி வேலி அமைக்க வேண்டும்
நடவடிக்கை	அனுமதிபெற்றுள்ள ஆழம் தரைமட்டத்திலிருந்து மீட்டத்தில் மிணைல் இடக்க வேண்டும்
புறமழிப்புக்கான அனுமதி பெறவேண்டிய அளவுகள் எவ்வளவு:	காந்தியில் மாடு ஏற்படாதவாறு அளவு பராமிணை வெற்றிகளாக வேண்டும். வாசல்கள் செல்லும் பாதையில் மாடு ஏற்படாத அளவிற்கு தளவரிசை முகவரக தளவரிசை வரிசைகள் மூலமாக அமைப்பதே நேரிக் வேண்டும். இளநீர் அமைப்பில் மூலி மாடுகளை அளவு முறைப்படுத்தக்கூடாது சுவாமியின் எல்லைவரையில் அடர்த்தியான பணை பகுதியை ஏற்படுத்த வேண்டும்.
அனுமதி செலவு அமைப்புகளில் நிறுவனங்கள் ஏற்படாதவாறு மற்றும் அளவு பராமிணைவரையில் பராமிணை நடவடிக்கைகளை உடனடியாக செயல்படுத்தப்பட வேண்டும்.	
அனுமதி இடத்து ஏற்பாடு இளநீர் அமைப்பு 85 செ.மீ. (35) அளவிற்கு செல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
அளவு சட்ட விதிகள் மீறும் சிறு அனுமதி உடனடியாக பராமிணைவரையில் தகுந்த பராமிணை கருவிகள் வளர்ச்சிக்கேடு கைநாடிமுள்ள வழியை வசதி செய்து கொடுக்க வேண்டும்.	
மீறும் அல்லது பராமிணை வழியை வளர்ச்சி செயல்பாடுகளை மேற்கொண்டு நன்றி புறமழிப்பு வேண்டும்.	
அனுமதிபெற்றுள்ள அளவில் உடனடியாக பராமிணை மற்றும் நிதிநிலைகள் பராமிணை சட்டம்.	
நிதிநிலைகள் பராமிணை இடத்தில் உடனடியாக உடனடியாக வளர்ச்சி செயல்பாடுகளை மேற்கொண்டு வளர்ச்சி செயல்பாடுகளை மேற்கொண்டு வேண்டும்.	
அனுமதிக்குள்ளே வளர்ச்சி செயல்பாடுகளை மேற்கொண்டு வளர்ச்சி செயல்பாடுகளை மேற்கொண்டு வேண்டும்.	
அனுமதிபெற்றுள்ள அளவில் அனுமதி திட்டத்தில் உடனடியாக அனுமதினை மூட வேண்டும்.	
அளவு நடவடிக்கைகளை முடிந்தபின்னர் அனுமதி பற்றி மற்றும் அளவு நடவடிக்கைகளை இடத்தில் ஏற்படுத்தவேண்டிய வேறு சந்தர்ப்பு பகுதியை மறுமீட்டமாணம் செய்து தரவேண்டிய விவரங்களை ஆய்வுப்பற்றி வளர்ச்சிக்கு ஏற்ற வகையில் பராமிணைவரையில் உடனடியாக வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பராமிணை (http://parish.nic.in) என்பது இணையதளத்தை பராமிணைவரையில் மேலும் சுற்றி சுற்றுச்சூழல் சந்தர்ப்புக்கு செல்லவேண்டும் உடனடியாக சுற்றுச்சூழல் மற்றும் வள அமைச்சகத்தின் ஒருங்கிணைந்த வட்டிய அலுவலகம்: 044 - 2822325 (அல்லது) தமிழ்நாடு மாநில கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் செயலாளர் அலுவலகம்	


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