

State Expert Appraisal Committee (SEAC)

Minutes of 484th meeting of the State Expert Appraisal Committee (SEAC) held on 19.07.2024 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Mining and CRZ Projects.

Confirmation of Earlier Minutes

The minutes of the 483rd SEAC meeting held on 18.07.2024 were circulated to the Members in advance and as there were no remarks, the Committee decided to confirm the minutes.

Agenda No: 484-01

(File No: 11016/2024)

Proposed Limekankar and Clay (others) quarry lease over an extent of 2.36.5Ha at SF.Nos. 159/4B1, 159/4B2, 159/4B3, 159/4B4, 159/4B6, 159/4B7, 159/4B9, 161/3B1, 161/3B2, 161/4B1, 161/12, 161/13, 161/14, 161/15, 161/16A, 161/16B, 161/16C, 161/17A & 161/17B of Ottakovil Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by Thiru. M. Karthikeyan - For Environmental Clearance.

(SIA/TN/MIN/479600/2024, Dated:07.06.2024).

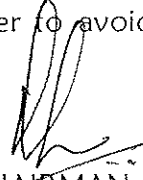
The proposal was placed in the 484th meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Karthikeyan has applied for Environmental Clearance for the Proposed Limekankar and Clay (others) quarry lease over an extent of 2.36.5Ha at SF.Nos. 159/4B1, 159/4B2, 159/4B3, 159/4B4, 159/4B6, 159/4B7, 159/4B9, 161/3B1, 161/3B2, 161/4B1, 161/12, 161/13, 161/14, 161/15, 161/16A, 161/16B, 161/16C, 161/17A & 161/17B of Ottakovil Village, Ariyalur Taluk, Ariyalur 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 PP shall not carried out any drilling and blasting activity.
4. It is noted that Solar panel Unit is located 130m South East and Dalmia Cement factory is located 110m South from the project site. In order to avoid dust


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deposition on the Solar panel, The PP shall facilitate to sprinkle water before the excavation of mineral, Sprinkling of water on the mineral heap before loading.

5. The PP shall carry out three tier plantation and sheet fencing on the south side of the Solar Panel Unit.

File No.	11016/2024 SIA/TN/MIN/479600/2024, Dated:07.06.2024	Category	B2 1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. M. Karthikeyan, S/o. Manikavasagam, No. E-2, SKRA Gandhi Nagar, Kumbakonam Taluk, Thanjavur District – 612 001.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Limekankar and Clay (others) quarry
3.	S.F Nos. of the quarry site	:	159/4B1, 159/4B2, 159/4B3, 159/4B4, 159/4B6, 159/4B7, 159/4B9, 161/3B1, 161/3B2, 161/4B1, 161/12, 161/13, 161/14, 161/15, 161/16A, 161/16B, 161/16C, 161/17A & 161/17B
4.	Village in which situated	:	Ottakovil
5.	Taluk in which situated	:	Ariyalur
6.	District in which situated	:	Ariyalur
7.	Extent of quarry (in ha.)	:	2.36.5Ha
8.	Latitude & Longitude of all corners of the quarry site	:	11°11'17.2164"N to 11°11'24.5038"N 79°06'01.8074"E to 79°06'10.7761"E
9.	Topo Sheet No.	:	58- M/04
10.	Type of mining	:	Open Cast Mechanized Mining Method
11.	Details of Environmental Setting.	:	Reserve Forest – Vinnankurichi R.F – 9.8km –North East


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			Wild Life Sanctuary: Karaivetti Birds Sanctuary – 22.0 Km – South West	
12.	NBWL Clearance/Conservation Measures	:	-	
13.	Details of Previous History	:	It is a fresh lease,	
14.	CCR If Applicable	:	-	
15.	Life of Project	:	9 Years	
	Lease Period	:	10 Years	
	Mining Plan Period	:	10 Years	
16.	Mining Plan Details	:	As per approved Mining Plan	
			LimeKankar@ 100% Recovery (Ts)	Clay and Others (Ts)
	Geological Resources (Ts)	:	95,783	16,555
	Minable Resources (Ts)	:	52,277	9,594
	Annual Peak Production in Ts	:	6,360	1,207
	Maximum Depth in meters	:	2.2m BGL [0.4m Clay (Others) + 1.8m Lime kankar]	
	Depth of water table	:	47m - 52m	
17.	Man Power requirement per day	:	11 Employees	
18.	Water requirement:		1.5 KLD	
	1. Drinking water & utilized water	:	0.2 KLD	
	2. Dust suppression	:	0.3 KLD	
	3. Green belt	:	1.0 KLD	
19.	Power requirement		TNEB	
		:	10,310 Liters of HSD will be utilized for entire life period	
20.	Precise area communication approved by the Additional	:	Letter No. 4539614/MMC.2/2023-1, Dated: 18.01.2024.	


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	Chief Secretary to Government (FAC), Natural Resources (MMC.2) Department.		
21.	Mining Plan approved by Additional Director, Commissionerate of G&M.	Rc.No. 1198/MM7/2021 Dated: 13.05.2024	
22.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	Rc.No. 121/G&M/2018 Dated: 03.05.2024	
23.	VAO Certificate Regarding Structures within 300m Radius	Letter Dated:16.05.2024	
24.	Project Cost (excluding EMP cost)	Rs.33,65,000/-	
25.	EMP cost (in Rs. Lakhs).	Rs.105 Lakhs	
26.	CER cost (in Rs. Lakhs).	Rs.5,00,000	
27.	SEAC Recommendation.	Recommended	
28.	Recommended Quantities	Validity	30 years subject to the following upper limits.
			LimeKankar@ 100% Recovery (Ts)
		Annual Max in Ts	Clay and Others (Ts)
			6,360
			1,207
		Max Depth in mtrs	2.2m BGL [0.4m Clay (Others) + 1.8m Limekankar]
29.	Standard Conditions	Annexure I	
30.	Is the depth recommended more than 40m.	NO	
31.	If 30 above is YES	Special Conditions II	


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32.	Is the proposed area located near Reserve Forest	:	NO
33.	If 32 above is YES	:	Special Conditions III
34.	Other Special Conditions	:	-

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 6360 m³ of Limekankar by maintaining the ultimate working depth of mining upto 2.2m BGL [0.4m Clay (Others) + 1.8m Limekankar] subject to the following specific conditions and it 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:

- 1) The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
- 2) The PP shall register promptly through online in the Shram Suvidha Portal which is the official portal of Ministry of Labour & Employment, Govt of India to obtain Labour Identification Number (LIN) before obtaining the CTO from the TNPCB.
- 3) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 4) The PP shall carry out the quarrying operations from the east to west direction in such a manner that the particulate matter/dust is not carried towards the existence of solar panel structures by maintaining thicker green plantation in the safety benches along with installation of a sheet fencing along the lease boundary before obtaining the CTO from the TNPCB.


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- 5) The PP shall not carry out the drilling and blasting operations during the project life.
- 6) The PP shall ensure that the trucks carrying the Limekankar and clay is adequately covered in such a manner that no spillage takes place.
- 7) As accepted by the Project Proponent the CER cost is Rs. 5 Lakhs and the amount shall be spent towards Panchayat Union Middle School, Ottakovil for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 484-02

(File No: 10988/2024)

Proposed Rough Stone and Gravel quarry over an extent of 2.36.5 Ha at S.F.Nos. 15/5, 15/7, 15/8A, 15/8B & 15/9 of Avalur Village, Walajabad Taluk, Kanchipuram District, Tamil Nadu by Thiru. S. Nallathambi – For Environmental Clearance.

(SIA/TN/MIN/478779/2024, Dated: 04.06.2024)

The proposal was placed for appraisal in this 484th meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. S. Nallathambi has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry over an extent of 2.36.5 Ha at S.F.Nos. 15/5, 15/7, 15/8A, 15/8B & 15/9 of Avalur Village, Walajabad Taluk, Kanchipuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 10 years. The approved mining plan is for 10 Years. As per the approved mining plan, the annual peak production shall not exceed 30,450 m³ of Rough Stone (4th year) and 11,552 m³ of Gravel (3rd year) for ultimate depth of 32m below ground level.

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

1. Two water bodies are located nearby the proposed quarry boundary hence PP


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is requested to submit the hydrological study report conducted by reputed Research and Academic Institutions such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, University of Madras - Dept of Geology, Guindy Campus, Periyar University-Dept of Geology, and Anna University Chennai-CEG Campus.

2. SEIAA may write a letter to the District Collector, Kancheepuram District to furnish the copy of report submitted by the Revenue Divisional Officer, Kancheepuram to the District Collector, Kancheepuram District vide letter dated 02/08/2023 and 09/11/2023 regarding Rough Stone & Gravel quarry, S.F.Nos. 15/5, 15/7, 15/8A, 15/8B & 15/9, Avalur village, Walajabad Taluk, Kanchipuram District of Thiru. S. Nallathambi,
3. As the proposed quarry site is surrounded by Government Poramboke lands classified as grazing ground Poromboke, the PP should indicate the details of access road to the proposed site and if it is through the Poromboke lands then PP shall submit permission letter from the Departments concerned.

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 PARIVESH portal.

Agenda No: 484-03

(File No: 11017/2024)

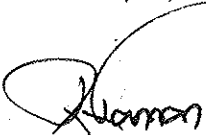
Proposed Rough Stone quarry over an extent of 0.81.0 Ha (Government Poramboke Land) at S.F.No. 54/2 (Part) of Amburpettai Village, Vaniyambadi Taluk, Tirupathur District, Tamil Nadu by Thiru. B. Venkatesan – For Environmental Clearance.

(SIA/TN/MIN/481534/2024, Dated: 18.06.2024)

The proposal was placed for appraisal in this 484th meeting of SEAC held on 19.07.2024. 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. B. Venkatesan has applied for Environmental


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Clearance for the Proposed Rough Stone quarry over an extent of 0.81.0 Ha (Government Poramboke Land) at S.F.No. 54/2 (Part) of Amburpettai Village, Vaniyambadi Taluk, Tirupathur District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The project proponent, Thiru. B. Venkatesan earlier applied seeking Environment Clearance (File No. 10828/2024 and Online Proposal No. SIA/TN/MIN/469572/2024, dated: 17.04.2024) for the Proposed Rough Stone quarry over an extent of 0.81.0 Ha (Government Poramboke Land) at S.F.No. 54/2 (Part) of Amburpettai Village, Vaniyambadi Taluk, Tirupathur District, Tamil Nadu. The proposal was placed for appraisal in the 469th meeting of SEAC held on 23.05.2024. Based on the presentation and documents furnished by the project proponent, SEAC noted that Amburpettai habitation is located at a distance of 231m, South East from the proposed mine lease area which falls within 300m radius.

Hence, this proposal attracts the following legal implications:

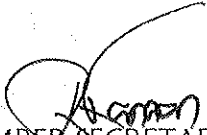
As per the amendment to Tamil Nadu Minor Mineral Concession Rules, 1959 issued vide G.O.Ms.No.88 Industries (MMC.1) Department dated 18.10.2002, sub-rule 1-A has been inserted to rule 36 which reads as follows:

"(a). No lease shall be granted for quarrying stone within 300 meters (three hundred meters) from any inhabited site."

The terminology of 'stone' and 'inhabited site' are defined in sub-rule of TNMMCR 1959 as follows:

"(ii-a) 'stone' shall mean rough stones including khandas, boulders, size-reduced (broken or crushed) materials including metal jelly, ballasts, mill stones, hand chakais and building and road construction stones other than black, red, pink, grey, green, white or other coloured or multi coloured granites or any other rocks suitable for use as ornamental and decorative stones"

(iii) 'inhabited site' shall mean a village site or town site or a house site as referred to in the revenue records or a house site or layout approved


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by a Local Body or Town or Country or Metropolitan Planning Authority, where the said Body or Authority is created under a statute and empowered to approve such an area as a house site or layout area.

The Committee, therefore, decided not to recommend the proposal for grant of Environmental Clearance.


Subsequently, the subject was placed in the 728th Authority meeting held on 11.06.2024. The authority noted that the subject was appraised in the 469th SEAC meeting held on 23.05.2024.

The Authority, after discussions, accepted the decision of SEAC, rejected the proposal and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per 469th SEAC minutes. Further, Authority decided to close and record this proposal.

Rejection Letter was granted to the proponent vide Letter No. SEIAA-TN/ F.No.10828/2024 dated: 19.06.2024.

4. Now, the project proponent applied to obtain prior EC as a fresh proposal as the Geo-Coordinates was changed. The project proponent has furnished the approved revised mining plan vide Rc.No.18/2024 (Mines), dated: 14.06.2024 for the newly demarcated location in Amburpettai Village, S.F.No. 54/2 (Part) over an extent of 0.81.0 Ha. The Dept. of Geology and Mining change the lease area orientation by rotate the lease of 90° towards clockwise direction.
5. The precise area communication was issued for the period of 10 years. The approved mining plan is for 5 Years. As per the approved mining plan, the annual peak production shall not exceed 18,148 m³ of Rough Stone for this production plan ultimate depth of 20m (10m above ground level + 10m below ground level).
6. The salient features of the proposal are as follows:

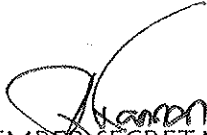
File No.	11017 / 2024	Category	B2
	481534 / 2024		1(a)
Sl. No	Salient Features of the Proposal		


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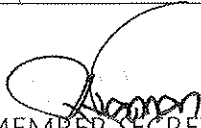
1.	Name of the Owner/Firm	:	Thiru. B. Venkatesan, S/o. Balakrishnan, No.92/46A, Nehru Street, Kathari Post, Natarampalli Taluk, Tirupathur District - 635 852.						
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone						
3.	S.F Nos. of the quarry site	:	54/2 (Part)						
4.	Village in which situated	:	Amburpettai						
5.	Taluk in which situated	:	Vaniyambadi						
6.	District in which situated	:	Tirupathur						
7.	Extent of quarry (in ha.)	:	0.81.0 Ha (Government Poramboke Land)						
8.	Latitude & Longitude of all corners of the quarry site	:	12°39'58.09"N to 12°40'1.24"N 78°38'8.20"E to 78°38'12.96"E						
9.	Topo Sheet No.	:	57 – L/10						
10.	Type of mining	:	Opencast Semi-Mechanized Mining						
11.	Details of Environmental Setting.	:	<p><u>Reserve Forest:</u> Neknamalai R.F - 2.25km - East</p> <p><u>Wildlife Sanctuary:</u> Koundinya Wildlife Sanctuary - 9.90km - NW</p> <p><u>Nearest Habitation:</u> Amburpettai - 303m - SE</p> <p><u>Water bodies:</u> Periya Eri - 2.11km - SE Palar River - 3.15km - NW</p> <p><u>Structures:</u></p> <table border="1"> <thead> <tr> <th>Distance</th> <th>Number & Type of Structures</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Distance	Number & Type of Structures	Direction			
Distance	Number & Type of Structures	Direction							


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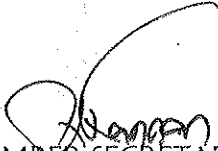
		0m-100m	Labour Shed-1 Crusher-1	NE & NW
		100m-200m	Crusher-1, Crusher Office-1 Existing quarry-2	NW, NW, NW, North
		200m-300m	Labour Shed-2 Existing quarry-2	NW, North, NE
		300m-400m	Amburpettai Village House-1	SE, SW
		400m-500m	Govindapuram Village, Farm House-5 Existing quarry-1	NE, SW, North
12.	NBWL Clearance/Conservation Measures	NA		
13.	Details of Previous History	<p>PP earlier applied seeking Environment Clearance (File No. 10828/2024 & Online Proposal No. 469572/2024)</p> <ul style="list-style-type: none"> • Proposal placed in the 469th SEAC Meeting Dated 23.05.2024 – SEAC decided not to recommend the proposal since Amburpettai habitation is located at a distance of 231m, South East from the proposed mine lease area which falls within 300m radius. • Placed in the 728th SEIAA Meeting Dated 11.06.2024 – Authority accepted the decision of SEAC, rejected the proposal and decided 		


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			to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per 469 th SEAC minutes. Further, Authority decided to close and record this proposal.
			<ul style="list-style-type: none"> Rejection Letter was granted to the proponent vide Letter No. SEIAA-TN/ F.No.10828/2024 dated: 19.06.2024.
14.	CCR If Applicable	:	NA
15.	Life of Project	:	10 years
	Lease Period	:	10 years
	Mining Plan Period	:	5 years
16.	Mining Plan Details	:	As per approved Mining Plan
	Geological Resources m ³ (RoM)	:	As modified by SEAC
		:	Rough Stone
	Minable Resources m ³ (RoM)	:	Rough Stone
		:	1,73,198 m ³
	Annual Peak Production in m ³	:	Rough Stone
:		70,383 m ³	
Maximum Depth in meters	:	Rough Stone	
	:	18,148 m ³	
17.	Depth of water table	:	20m (10m above ground level + 10m below ground level)
18.	Man Power requirement per day:	:	50m-55m
19.	Water requirement:	:	16 Nos.
	1. Drinking & Domestic	:	3.0 KLD
	2. Dust Suppression	:	1.0 KLD
	3. Green belt	:	1.0 KLD
20.	Power requirement	:	TNEB


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		56304 Liters of HSD						
21.	Precise area communication approved by the Assistant Director, Dept. of Geology & Mining	Na.Ka.No.18/2024 (Kanimam) Dated:15.03.2024						
22.	Mining Plan approved by the Assistant Director, Dept. of Geology & Mining	Rc.No.18/2024 (Mines), dated: 14.06.2024						
23.	500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining	Rc.No.18/2024 (Mines), dated: 28.03.2024						
24.	VAO Certificate Regarding Structures within 300m Radius	: Letter dated 01.04.2024						
25.	Project Cost (excluding EMP cost)	: Rs. 82,50,000/-						
26.	EMP cost (in Rs. Lakhs).	: Capital Cost - Rs. 25.88 Lakhs Recurring Cost - Rs. 10.52 Lakhs						
27.	CER cost (in Rs. Lakhs).	: Rs. 5,00,000/-						
28.	SEAC Recommendation.	: Recommended						
29.	Recommended Quantities	: <table border="1"> <tr> <td></td> <td>Rough Stone</td> </tr> <tr> <td>Annual Max RoM in m³</td> <td>18,148 m³</td> </tr> <tr> <td>Ultimate Depth in mtrs</td> <td>20m (10m above ground level + 10m below ground level)</td> </tr> </table>		Rough Stone	Annual Max RoM in m ³	18,148 m ³	Ultimate Depth in mtrs	20m (10m above ground level + 10m below ground level)
			Rough Stone					
		Annual Max RoM in m ³	18,148 m ³					
Ultimate Depth in mtrs	20m (10m above ground level + 10m below ground level)							
30.	Standard Conditions	: Annexure I						
31.	Is the depth recommended more than 40m	: NO						
32.	If 30 above is YES	: Special Conditions II						
33.	Is the proposed area located	: NO						


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	near Reserve Forest		
34.	If 32 above is YES	:	Special Conditions III
35.	Other Special Conditions	:	As below

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 18,148 m³ of Rough Stone by maintaining this production plan ultimate depth of mining up to 20m (10m above ground level + 10m below ground level) subject to the following specific conditions and it 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:

- 1) The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
- 2) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 3) The PP shall register promptly through online in the Shram Suvidha Portal which is the official portal of Ministry of Labour & Employment, Govt of India to obtain Labour Identification Number (LIN) before obtaining the CTO from the TNPCB.
- 4) The PP shall carry out the quarrying operations from the top to downwards in the hillock by maintaining adequate benches incorporating a dedicated, proper haul road of possessing gradient of not more than 1 in14 with safety bunds.
- 5) Since the school is situated within a radial distance of 530 m, the PP shall carry out only one blast per day for not more than 30 to 40 holes in a round, with maximum charge of 375g/hole with muffle technique by keeping the adequate


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number of guards at the boundary of danger zone (i.e., 500m) and at the school to ensure that no other persons present within the danger zone.

- 6) However, 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 after obtaining the prior permission from the Director of Mines Safety/Chennai Region, to design the controlled blast parameters including the type of explosive, maximum charge per delay & maximum total charge (kg) per round, maximum number of holes per round, etc along with indicating the statutory competent person responsible for the blasting operation, for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the quarry, by involving Research and Academic Institutions 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.
- 7) The PP shall ensure that the transport of materials shall not be carried out during school hours from 8AM-10AM and during 3PM -5PM (or as specified by the school administration).
- 8) The PP shall not carry out the deep hole larger diameter blasting and the secondary blasting of oversize fragments /boulders during the life of the lease period
- 9) 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 Panchayat Union Primary school, Kurumpatti Village, Vaniyambadi Taluk, Tirupathur District before obtaining CTO from TNPCB.


Agenda No. 484-04

File No: 10977/2024

Proposed Rough stone and Gravel Quarry lease over an extent of 1.91.0Ha (Patta land) at S.F. No. 392/2(P) & 392/3(P) of Akkaraipatti Village, Rasipuram Taluk, Namakkal


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District, Tamil Nadu by Thiru.D.Gowrishankar – Environment Clearance.
(SIA/TN/MIN/477083/2024 dt 29.05.2024)

The proposal was placed in this 484th meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent made a detailed presentation.

The SEAC noted the following:

1. The project proponent, Thiru.D.Gowrishankar has applied seeking Environmental Clearance for the Proposed Rough stone and Gravel Quarry lease over an extent of 1.91.0Ha (Patta land) at S.F.No. 392/2(P) & 392/3(P) of Akkaraipatti Village, Rasipuram Taluk, Namakkal District, Tamil Nadu.
2. The project/activity is covered under category “B2” of Item 1 (a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006, as amended.
3. The precise area communication was issued for the period of 10 Years. The approved mining plan is for the period of 10 years & production should not exceed 2,63,085m³ of Rough Stone & 28,288m³ of Gravel. The annual peak production is 39,130m³ of Rough Stone & 10,880m³ of Gravel. The depth of mining is 47m BGL in Ten years.
4. As committed by the PP, the following site-specific Mitigation Measures were stated:

“There are 10 Structures situated 150m from the project site, comprising 4 houses, 6 cattle sheds and rest rooms, considering occupational health and safety, the following mitigations are proposed:

- *Erection of sheet fencing on the south side is proposed (cost included in the EMP), followed by line drilling on the southern side prior to blasting.*
- *The project proponent owns the 1.5Ha southern land parcel (S.F.No.392(P)), which will be used for plantation activities to control vibration and dust.*
- *A small hillock, approximately 16 meters in height from the general ground level, is situated between the lease area and the structures, serving as a natural barrier between the lease area and structure.*


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- Besides by adopting control blasting using NONEL explosives will reduce the ground vibration and fly rocks.
- The rough stone material will be transported to the crusher situated on the north side. Proponent maintained the crusher using acoustic barriers sprinkling water along the haul roads 4 times per day."

5. The other Salient Features of the proposal are as follows:

File No.	10997	Category	B2
	477083		1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru.D.Gowrishankar, S/o.Duraisamy, No.7/180-1, Palakadu, Vinayagapuram, Athanur Village, Rasipuram Taluk, Namakkal District – 636 301.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone and Gravel Quarry
3.	S.F Nos. of the quarry site	:	392/2(P) & 392/3(P)
4.	Village in which situated	:	Akkaraipatti Village
5.	Taluk in which situated	:	Rasipuram Taluk
6.	District in which situated	:	Namakkal District
7.	Extent of quarry (in ha.)	:	1.91.0Ha (Patta land)
8.	Latitude & Longitude of all corners of the quarry site	:	11°27'40.9666"N to 11°27'48.4478"N 78°05'21.5219"E to 78°05'26.8521"E
9.	Topo Sheet No.	:	58-I/03
10.	Type of mining	:	Opencast Mechanized mining
11.	Details of Environmental Setting.	:	Nearest Water Bodies: Semoor Periya Lake- 680m – NW Thirumanimutharu River – 1.9km – W


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		Nearest Wildlife Sanctuary Vellore Birds Sanctuary – 52.3km – SW Nearest Reserve Forest Palanthinnippatti R.F.-1.77km NE Sathiyamangalam Tiger Resever – 70.8km- NW	
12.	NBWL Clearance/ Conservation Measures	Not Applicable	
13.	Details of Previous History	: It is a fresh lease	
14.	CCR If Applicable	: Not Applicable	
15.	Life of Project	: 10 Years	
	Lease Period	: 10 Years	
	Mining Plan Period	: 10 Years	
16.	Mining Plan Details	Scheme of Mining : Plan (5 years)	Rc.No. 684/Mines/2023, Dated:07.02.2024
	Geological Resources m ³ (RoM)	Rough Stone	8,45,460 m ³
		Gravel	37,576 m ³
	Mirable Resources m ³ (RoM)	Rough Stone	2,63,085 m ³
		Gravel	28,560 m ³
	Annual Peak Production in m ³	Rough Stone	39,130m ³
Gravel		10,880m ³	
Maximum Depth in meters	: Depth	47m BGL	
17.	Depth of water table	: 68m BGL	
18.	Man Power requirement per day:	: 25 Nos	
19.	Water requirement:	1.0KLD	
	1. Drinking & Domestic	: 0.2KLD	
	2. Dust Suppression	: 0.5KLD	
	3. Green belt	: 0.3KLD	


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20	Power requirement	:	2,15,184 Litres of HSD	
21	Precise area communication approved by the District Collector, Dept. of G&M	:	Rc.No. 684/Mines/2023, Dated:29.11.2023	
22	Mining Plan approved by Assistant Director, Dept. of Geology & Mining.	:	Rc.No. 684/Mines/2023, Dated:07.02.2024	
23	500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining.	:	Rc.No. 684/Mines/2023, Dated:12.02.2024	
24	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:23.01.2024	
25	Project Cost (excluding EMP cost)	:	Rs. 80.23/- Lakhs	
26	EMP cost (in Rs. Lakhs).	:	Rs. 241 Lakhs Capital Cost-Rs. 31,79,300/- Recurring Cost- Rs. 15,10,591/- per annum	
27	CER cost (in Rs. Lakhs).	:	Rs.5,00,000/-	
28	SEAC Recommendation.	:	Recommended	
			Validity: 30 years subject to the following Upper limits	
			Annual Peak (m ³)	39,130m ³
			Max Ultimate depth	47m BGL
29	Standard Conditions	:	Annexure I	
30	Is the depth recommended more than 40m.	:	YES ✓	NO


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31.	If 30 above is YES	:	Special Conditions II
32.	Is the proposed area located near Reserve Forest	:	YES ✓ NO
33.	If 32 above is YES	:	Special Conditions III
34.	Other Special Conditions	:	

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 39,130m³ of rough stone and 10,880 m³ of Gravel by maintaining the ultimate depth of mining upto 47m BGL, subject to the following specific conditions and it 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:

- 1) The prior Environmental Clearance granted for this mining project shall be valid subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC.
- 2) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
- 3) 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.
- 4) The PP shall register promptly through online in the Shram Suvidha Portal which is the official portal of Ministry of Labour & Employment, Govt of India to obtain Labour Identification Number (LIN) before obtaining the CTO from the TNPCB.
- 5) The PP shall abide by the mitigation and restoration measures provided in the Environment Management plan prepared for the project life.


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- 6) The PP shall abide by all the conditions as stipulated in accordance with the provisions of MMR 1961 and DGMS Circular No.7 of 1997 while carrying out the controlled blasting operations through a statutorily competent persons appointed by him.
- 7) The proponent shall carryout suppression of dust generated due to transport vehicles by continuous water spraying using tankers.
- 8) The PP shall fulfil the requirements of the provisions of Mines Act 1952, the regulations of MMR 1961 and the DGMS Circulars, the Environment Act & Rules, 1986, Explosives Act 1884, Explosive rules 1983 and other laws, orders pertaining to the geometry of quarry and its operation & mine closure activities without any deviation.
- 9) As accepted by the Project Proponent the CER cost of Rs.5,00,000/- and the amount shall be spent for the Government High School, Elur, Namakkal District before obtaining CTO from TNPCB.

S.No.	Description	CER Cost INR
1	Renovation of existing toilets and its maintenance	Rs.5,00,000/-
2	Plantation along the School Boundary @ 250 Nos	
3	Providing Environmental related books to School Library	
4	Providing Benches, Desks & Lights at the School	
5	Providing Electric motor for borehole at the School	
TOTAL		Rs.5,00,000/-

Agenda No:484-05

(File No:10998/2024)

Proposed Rough stone and Gravel quarry over an Extent 4.37.5 Ha at S.F.Nos. 3/1A, 3/1B, 3/2 & 5/2 of Sirumailur Village and S.F.Nos.86/1, 86/2 & 87/1 (P) of Sithalapakkam Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu by Thiru.M.R.Govindan - For Environmental Clearance. (SIA/TN/MIN/455409/2024, Dated: 18.07.2024).


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The proposal was placed in the 484th Meeting of SEAC held on 19.07.2024. 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.R.Govindan has applied for Environmental Clearance for the Proposed Rough stone and Gravel quarry over an Extent 4.37.5 Ha at S.F.Nos. 3/1A, 3/1B, 3/2 & 5/2 of Sirumailur Village and S.F.Nos.86/1, 86/2 & 87/1 (P) of Sithalapakkam Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

During the meeting, the SEAC noted that there is an existing quarry in the same cluster namely Tvl. Murugappa Blue Metal over an extent of 1.39.81 Ha in S.F.No. 15/1 (P), 2 (P), 3 (P), 4 (P), 5 (P), 6 (P), 7, 8, 9, 10, 11, 12, 13A, 13B, 14, 15A, 15B, 16, 16/1, 2, 3 (P), 4 (P), 5 (P), 6 (P) & 7 of Sirumailour Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu. ToR has been issued for the same vide Lr.No.SEIAA-TN/F.No.9806/ToR-1456/2023 dated: 10.05.2023. This quarry has not been considered in the cluster letter and if considered the proposal will come under B1 category. Hence the Committee directed the Proponent to withdraw this online application and apply afresh application for obtaining Terms of Reference along with revised 500m cluster certificate indicating the status of other quarries (existing/abandoned/expired/proposed/instant) located in the cluster zone.

Agenda No:484-06

(File No:11013/2024)

Proposed Rough stone quarry over an Extent 0.86.0 Ha at S.F.Nos. 722/1B & 722/2 of Mecode Village, Kalkulam Taluk, Kanniyakumari District, Tamil Nadu by Thiru. A. Anikumar - For Environmental Clearance. (SIA/TN/MIN/480280/2024, Dated: 10/06/2024).

The proposal was placed in the 484th Meeting of SEAC held on 19.07.2024. During the meeting, the Project Proponent has requested for additional time to produce Certified Compliance Report for the earlier EC issued by the SEIAA. Hence, the subject was not taken up for discussion.


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Agenda No: 484 - 07

(File No: 10999/2024)

Existing Rough stone quarry lease over an extent of 1.82.0 Ha in Government Land at S.F. Nos. 70/4A(part) Boothakudi Village, Natham Taluk, Dindigul District, Tamil Nadu by Thiru. D. Nagasundaram - For Environment Clearance. (SIA/TN/MIN/467515/2024 dt 29/05/2024)

The proposal was placed in this 484th meeting of SEAC held on 19.07.2024. The Project Proponent made a detailed power point presentation on the proposed project. 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. D. Nagasundaram has applied seeking Environment Clearance for the Existing Rough stone quarry lease over an extent of 1.82.0 Ha in Government Land at S.F. Nos. 70/4A(part) Boothakudi Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification 2006, as amended.

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

1. Certified compliance report from the competent authority for the existing mining activity at the project site by the same lessee.
2. Geotagged photograph of the fencing provided at the project site.

On receipt of the details sought above, the Committee will further deliberate and decided on the future course of action.

Agenda No: 484 - 08

(File No: 11014/2024)

Proposed Ordinary Earth Quarry lease over an extent of 0.50.0 Ha in Government Rakinipati Kanmoi at S.F. Nos. 259/2, Soorakulam Group Village, Sivagangai Taluk, Sivagangai District, Tamil Nadu by Tvl. Notch India Projects, - For Environment Clearance. (SIA/TN/MIN/482208/2024 dt 19/06/2024)


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The proposal was placed in this 484th meeting of SEAC held on 19.07.2024. The Project Proponent made a detailed power point presentation on the proposed project. 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. Notch India Projects has applied seeking Environment Clearance for the proposed Ordinary Earth Quarry lease over an extent of 0.50.0Ha in Government Rakinipati Kanmoi at S.F. Nos. 259/2, Soorakulam Group Village, Sivagangai Taluk, Sivagangai 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, as amended.
3. Soil Analysis report dated 11.03.2024

File No.	10014 SIA/TN/MIN/482208/2024	Category	B2 1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	TVL. NOTCH INDIA PROJECTS Rep.by. Thiru. Meenachisundram
2.	Type of quarrying (Ordinary/ Rough Stone/ Sand/ Granite/ Limestone)	:	Earth Quarry
3.	S.F Nos. of the quarry site	:	259/2
4.	Village in which situated	:	Soorakulam Group
5.	Taluk in which situated	:	Sivagangai
6.	District in which situated	:	Sivagangai
7.	Extent of quarry (in ha.)	:	0.50.0 Ha in Government Rakinipati Kanmoi
8.	Latitude & Longitude of all corners of the quarry site	:	09°51'22.13"N to 09°51'29.33"N 78°30'37.30"E to 78°30'42.78"E
9.	Topo Sheet No.	:	58- K/09


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10.	Type of mining	:	Open cast Semi Mechanized Mining
11.	Details of Environmental Setting	:	Pirandaikulam R.F- 1.51km- NE Vettangudi Bird Sanctuary- 27.3km- N
12.	NBWL Clearance/Conservation Measures	:	NA
13.	Details of Previous History	:	New Quarry
14.	CCR, If Applicable	:	-
15.	Life of Project	:	60 Days
	Lease Period	:	60 Days
	Mining Plan Period	:	60 Days
16.	Mining Plan Details	:	Ordinary Earth
	Geological Resources m ³ (RoM)	:	25000m ³
	Mineable Resources m ³ (RoM)	:	5000m ³
	Proposed Production m ³ (RoM)	:	5000m ³
	Annual Peak Production in m ³	:	-
	Maximum Depth in meters	:	1m BGL
17.	Depth of water table	:	16- 18m
18.	Man Power requirement per day:	:	14 Nos
19.	Water requirement: 1. Drinking & Domestic 2. Dust Suppression 3. Green belt	:	1.2 kLD
20.	Power requirement	:	NA
21.	Precise area communication approved by the District Collector, Dept. of G&M	:	Rc.No.1430/Kanimam/2023 Dated:16.03.2024.
22.	Mining Plan approved by Deputy Director, Dept. of Geology & Mining.	:	Rc.No.1430/Mines/2023, Dated:06.05.2024.


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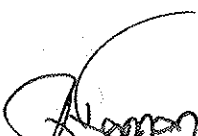
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23	500m cluster letter issued by the Deputy Director, Dept. of Geology and Mining.	:	Rc.No.1430/Mines/2023 Dated:16.05.2024.
24	VAO Certificate Regarding Structures within 300m Radius	:	10.05.2024
25	Project Cost (excluding EMP cost)	:	Rs. 2,03,620/-
26	EMP cost (in Rs. Lakhs).	:	Rs.1.91Lakh
27	CER cost (in Rs. Lakhs).	:	Rs. 50,000/- as accepted by the PP
28	SEAC Recommendation	:	Recommended
29	Recommendation Quantities	:	5000m ³ of Ordinary Earth
		:	1m (BGL)
30	Standard Conditions	:	Annexure- 1
31	Is the proposed depth more than 40m.	:	NO
32	If 31 above is YES	:	Special Conditions II
33	Is the proposed area located near Reserve Forest	:	NO
34	If 33 above is YES	:	Special Conditions III
35	Other Special Conditions	:	-

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 production quantity of 5000 m³ of Ordinary Earth & the ultimate depth of mining upto 1m below ground level for the project life of 60 days only (or) expiry date of mine lease, whichever is earlier, 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 PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
- 2) The PP shall not carry out drilling & blasting operations in the proposed quarry.


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- 3) The PP shall install a 'Bio-toilet' and Rest shelter facility for the persons employed in the mine before obtaining the CTO from the TNPCB.
- 4) As accepted by the Project Proponent the CER cost of Rs. 50,000 and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Soorakulam Village, Sivagangai Taluk & District before obtaining CTO from TNPCB.

Agenda No: 484-09

(File No: 10350/2023)

Proposed Rough Stone and Gravel quarry over an extent of 4.42.0 Ha at S.F.Nos. 91/1B, 91/1C, 91/1D(P), 91/1E, 91/1F(P), 92/1B, 92/1C, 92/1D, 92/1E, 92/1F & 95/1C of Karunsamygoundenpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu - For Terms of Reference Name Transfer from Thiru. M. Mohamed Nizam to M/s. Sahara Ultra Private Limited. (SIA/TN/MIN/480607/2024, Dated: 11.06.2024)

The proposal was placed in the 484th meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. Earlier, the project proponent Thiru. M. Mohamed Nizam has obtained Terms of Reference (ToR) along with Public Hearing vide Lr No.SEIAA-TN/ F.No.10350/SEAC/ToR-1601/2023 Dated: 06.11.2023, for the Proposed Rough Stone and Gravel quarry over an extent of 4.42.0 Ha at S.F.Nos. 91/1B, 91/1C, 91/1D(P), 91/1E, 91/1F(P), 92/1B, 92/1C, 92/1D, 92/1E, 92/1F & 95/1C of Karunsamygoundenpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu.
2. Now, the project proponent M/s. Sahara Ultra Private Limited has submitted an application in Form - 8 vide Online Proposal No. SIA/TN/MIN/ 480607/2024 dated: 11.06.2024 seeking Name Transfer of the Terms of Reference (ToR) issued dated: 06.11.2023 from Thiru. M. Mohamed Nizam to M/s. Sahara Ultra Private Limited.
3. The Transferee M/s. Sahara Ultra Private Limited has furnished the No Objection Certificate (NOC) obtained from the Transferor Thiru. M. Mohamed Nizam.


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

1. The project proponent shall furnish the precise area communication letter and approved mining plan in the name of M/s. Sahara Ultra Private Limited.

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 PARIVESH portal.

Agenda No: 484-10

(File No: 10981/2024 & Old File No: 7784/2020)

Proposed Gravel quarry over an extent of 3.47.0 Ha at S.F.Nos. 490/1B, 490/1C, 490/1A, 469/1C, 491/1 & 468/4 of Puthur Village, Kulithalai Taluk, Karur District, Tamil Nadu by Thiru. D. Moorthy - For extension of validity of Environmental Clearance. (SIA/TN/MIN/479376/2024, Dated: 06.06.2024)

The proposal was placed in this 484th meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. Earlier, the project proponent Thiru. D. Moorthy has obtained Environmental Clearance vide Lr. No.SEIAA-TN/F.No.7784/1(a)/EC.No:4588/2020 dated: 25.03.2021 for the proposed Gravel quarry over an extent of 3.47.0 Ha at S.F.Nos. 490/1B, 490/1C, 490/1A, 469/1C, 491/1 & 468/4 of Puthur Village, Kulithalai Taluk, Karur District, Tamil Nadu, for the production quantity of 56,632 m³ of Gravel up to a depth of 2m BGL, for the period of 3 years from the date of execution of the mining lease.
2. Now, the PP has applied for validity extension of EC (Form-6) vide Online Proposal No. SIA/TN/MIN/479376/2024, Dated: 06.06.2024. The PP has requested for an automatic extension of validity of EC as per the MoEF&CC Notification dated 12.04.2022 and O.M. dated 13.12.2022 stating as follows:

"As on 20.05.2024, only 30,400 m³ of Gravel has been excavated and


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26,232 m³ of Gravel remains unexcavated.

Mining Lease was executed on 14.09.2021 and EC expires on 13.09.2024.”

3. MoEF&CC Notification S.O. 1807(E) dated: 12.04.2022

4. MoEF&CC Office Memorandum dated: 13.12.2022

The SEAC noted that as per MoEF&CC Office Memorandum dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...

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

Based on the presentation made by the proponent, the SEAC confirmed that the Environmental Clearance issued earlier qualifies for ‘automatic extension’ as per the aforementioned O.M. issued by the MoEF&CC.

All other conditions mentioned in the EC vide Lr. No.SEIAA-TN/F.No.7784/1(a)/EC.No:4588/2020 dated: 25.03.2021 shall remain unchanged and unaltered.

Agenda No: 484-11

(File No: 10990/2024)

Existing Multi Colour Granite quarry lease over an extent of 1.38.5 Ha at S.F.No. 424/2A and 424/3A of K.Pitchampatti Village, Karur Taluk, Karur District, Tamil Nadu by Tvl. Madhucon Granites Ltd–For Amendment in Environmental clearance (SIA/TN/MIN/480359/2024 dated: 10/06/2024).

The proposal is placed in the 484th Meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Environmental Clearance was earlier issued to the project proponent, Tvl. Madhucon Granites Ltd for the Existing Multi Colour Granite quarry lease over an extent of 1.38.5 Ha at S.F.No. 424/2A and 424/3A of K.Pitchampatti Village, Karur Taluk, Karur District, Tamil Nadu, vide


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Lr. No. SEIAA-TN/F.No.10108/1(a)/EC. No. 6059/2023 dated 07.09.2023.

2. Now, the proponent has submitted an application in Form – 4 vide Proposal No. SIA/TN/MIN/480359/2024, dated: 10.06.2024 seeking the following amendments in the above-mentioned EC dated. 07.09.2023 stating the following,

"... We have approached the Department of Geology and Mining, Karur District for issuance of transport permits, but we have been insisted to submit the Amendment Environmental clearance for the validity of Environmental Clearance as per the MOEFCC Notification S.O. 1807(E) dated 12.04.2022 and subsequently clarification Office memorandum dated 13.12.2022 for prior EC granted for Mining plan shall be valid for the project life including production value as laid down in the Mining plan approved and renewed by competent authority.

We are writing to seek clarification regarding the validity of the Environmental Clearance (EC) granted to us following the Ministry's notification S.O. 1807(E) dated 12.04.2022. We have been granted the EC after the issuance of this notification and would like to confirm its validity status. Specifically, we wish to understand if the granted EC remains valid for the entire life of the mine as stipulated in conditions provided by your good office."

S.No	Description	As per the EC issued	Amendment requested
1.	Validity of EC	This Environmental Clearance is accorded for the quantity of RoM – 13,890m ³ which includes 8334 m ³ of granite recovery (@60%) & 5556 m ³ of granite waste (@40%) up to the depth of 48m below ground level and the annual peak production should not	The EC Validity condition as per the SEAC recommendations for the life of the mine with peak production capacity. i.e., Amendment requested for the validity as the peak production capacity as 15,400 m ³ of ROM (That includes 60% recovery = 9,240 m ³ of Granite and 40% waste = 6,160 m ³) for an ultimate depth of 48m BGL.


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		<p>exceed 8334 m³ of granite recovery.</p> <p>The Environmental Clearance issued is valid as per the approved mine plan period and as per MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022.</p>	
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During the meeting, the Proponent has represented that the SEIAA has issued the Environmental Clearance with its validity as follows:

"...for the quantity of RoM – 13,890m³ which includes 8334 m³ of granite recovery (@60%) & 5556 m³ of granite waste (@40%) up to the depth of 48m below ground level and the annual peak production should not exceed 8334 m³ of granite recovery.

The Environmental Clearance issued is valid as per the approved mine plan period and as per MoEF&CC's notification S.O.1533(E)"

Besides, the SEIAA have also mentioned the validity period in the production quantity part as follows:

"...the mining plan is for the period of five years (2018 to 2023) & production should not exceed RoM – 13,890m³ which includes 8334 m³ of granite recovery (@60%) & 5556 m³ of granite waste (@40%)....."

The PP represented that Geology & Mines Department and the TN Pollution Control Board have asked him to get clarification from the SEIAA whether the validity of EC is for a period of 5 years (2018 to 2023) or the validity of EC remains for the life including 'succeeding' schemes of mining.

Here, the SEAC has noted that the MoEF&CC Notification S.O, 1807(E) dated 12.04.2022 clearly states that.


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".....the EC issued is valid for the life of mine 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...."

Hence the SEAC, after the deliberations, decided to recommend the above amendment requested by the PP. All other conditions and validity mentioned in the EC dated. 07.09.2023 shall remain unchanged and unaltered.

Agenda No. 484 - 12

File No.10972/2024

Proposed Rough Stone Quarry over an extent of 11.77.0 Ha at S.F. Nos. 121/1A, 121/1B, 128/1, 128/2A, 128/2B, 128/2C & 128/2D, of Puliuram Village, Aruppukkottai Taluk, Virudhunagar District, Tamil Nadu by Thiru A.C.Thangam , Director , M/s. Vishnusurya Project and Infra Private Limited - Corrigendum for the Terms of Reference. (SIA/TN/MIN/478136/2024, 01/06/2024)

The proposal was earlier placed in the 395th meeting of SEAC held on 27.07.2023 and the SEAC decided to grant Terms of Reference (ToR) with Public Hearing, restricting the ultimate depth to 50m BGL subject to the conditions stated therein.

Subsequently the subject was placed before SEIAA and the SEIAA decided to issue ToR with Public Hearing for the restricted depth of 45m BGL. Accordingly, ToR with Public Hearing was issued vide T.O Lr. No. SEIAA-TN/F.No. 10175/SEAC/ToR-1534/2023 dated 09.08.2023 subject to the conditions stated therein.

Subsequently, the PP vide reference cited had made the following request:

The ultimate pit depth as per the approved mining plan is 54m BGL for the Rough stone Quarry over an extent of 11.77.00 Ha. in Puliuran village, Aruppukkottai Taluk, Virudhunagar District. The Public Hearing date is also fixed on 29.02.2024 in Puliuran village. But in the Terms of Reference (ToR) the ultimate pit depth is restricted to 45 m BGL.

In this connection, I request the Chairman, SEIAA-TN to permit the ultimate depth of mining upto 54 m as per the approved mining plan without restriction. I submit the following details to consider my request to allow mining upto 54 mtr BGL as per the approved mining plan.


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At present we are operating two rough stone quarries nearby the lease applied area viz.

1. S.F.No. 114/3 (P) & 119/1 Over an extent of 4.98.00 Ha. for five years from 11.11.2019 to 10.11.2024 in Puliuran Village, Aruppukottai Taluk, Virudhunagar District. The Environmental Clearance Lr. No. SEIAA-TN/F.No: 6946/1(a)/EC.No. 4045/2019 dated 18.10.2019 in which we have been permitted mining upto a depth of 55 m BGL. The ultimate pit depth is also 55 m BGL in the approved mining plan. This quarry is located about 400 m from the applied area in the same village Puliuran.
2. Another Rough stone Quarry we are operating in Melakandamangalam village, Aruppukottai Taluk, Virudhunagar District over an extent of 4.49.00 Ha, in SF No. 2/4B, 2/4C, 2/5, 3/2A, 3/2B1, 3/2B2, 3/3 A, 3/3B, 3/4B & 4/5 for a period of 5 years from 22.08.2022 to 21.08.2027. The Environmental Clearance Lr. No. SEIAA-TN/F.No:-8949/EC. No:5122/2022 dated 29.06.2022 in which we have been permitted mining upto a depth of 54 m BGL. The ultimate pit depth is also 54 m in the approved mining plan. This quarry is adjoining to the lease applied area.

We are operating the above two quarries systematically without any environmental problems.

The lease applied area is large extent ie, 11.77.00 Ha. as compared to the present two nearby working quarries ie, 4.98.00 Ha. and 4.49.00 Ha. with well suitable dimension (length 565 m and width 195 m) for the formation of proper benches upto the ultimate depth of 54 m BGL.

In view of the above, I request the Chairman SEIAA-TN to grant permission for the ultimate mining depth of 54 m BGL as per the approved mining plan.

Subsequently, the subject was placed before SEIAA in the 705th meeting of Authority held on 19.03.2024. After detailed discussions, the Authority decided to refer the matter to SEAC for furnishing remarks on the request made by the PP.


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Hence the subject was taken up for discussion in the 460th meeting of SEAC held on 22.04.2024. Based on the presentation and the documents furnished by the PP, the SEAC decided to recommend for the grant of the amendment to the ToR issued vide T.O Lr. No. SEIAA-TN/F.No. 10175/SEAC/ToR-1534/2023 dated 09.08.2023 for the ultimate depth up to 50m BGL. All the other conditions stipulated in the aforesaid ToR dated 09.08.2023 remain unaltered.

Subsequently, the subject was placed in 719th SEIAA meeting held on 13.05.2024. The SEIAA noted that the subject was placed in the 460th meeting of SEAC held on 24.04.2024 and the SEAC has decided to recommend for the grant of the amendment to the ToR issued vide T.O Lr. No. SEIAA-TN/F.No. 10175/SEAC/ToR-1534/2023 dated 09.08.2023 for the ultimate depth upto 50m BGL. All the other conditions stipulated in the aforesaid ToR dated 09.08.2023 remain unaltered.

The SEIAA further noted that PP has not made any online application seeking corrigendum to the ToR and hence decided to defer the subject directing the PP to apply online seeking corrigendum to the ToR.

Based on the above, the PP has submitted an online application vide SIA/TN/MIN/478136/2024, 01/06/2024, seeking corrigendum for the same.

Hence, the proposal was placed in the 484th meeting of SEAC held on 19.07.2024.

The SEAC noted the following.

1. The PP has requested for Corrigendum for the Terms of Reference issued vide Lr. No. SEIAA-TN/F.No. 10175/SEAC/ToR-1534/2023 dated 09.08.2023.
2. The PP's request was considered already and the recommendation was made in 460th SEAC meeting held on 22.04.2024.
3. The PP has since submitted an online application vide SIA/TN/MIN/478136/2024, 01/06/2024, seeking corrigendum for the same as directed by SEIAA.

SEAC, therefore, decided to forward the proposal to SEIAA for deciding on the request made by the PP.

Agenda No. 484 - 13

File No.408/2023


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Environmental Clearance issued for the proposed expansion in production/ enhancement in mining of limestone from 52,725 TPA to 62,500 TPA in mining lease area of 7.350 Ha (Mining lease - II) at S.Nos.329/1, 330/6, 331/2, 334/1, 334/3, 334/4, 335/5, 335/6, 335/7B, 345/1, 345/4, 345/5 of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District, Tamil Nadu by M/s. Lovely Chemicals – Name Transfer & Amendment in Environmental Clearance requested – Reg. (SIA/TN/MIN/209977/2021 & SIA/TN/MIN/303597/2023)

The proposal was placed in the 484th meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. Environmental Clearance was issued to the project proponent M/s. Lovely Chemicals for the proposed expansion in production/enhancement in mining of limestone from 52,725 TPA to 62,500 TPA in mining lease area of 7.350 Ha (Mining lease - II) at S.Nos.329/1, 330/6, 331/2, 334/1, 334/3, 334/4, 335/5, 335/6, 335/7B, 345/1, 345/4, 345/5 of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District vide Lr.No. SEIAA-TN/F.No. 408/1(a)/EC-1062/2014 dated.18.02.2014.
2. Subsequently, the proponent has obtained an amendment in validity in the Environmental Clearance issued vide Lr.No.SEIAA-TN/F.No.408/1(a)/ EC-Amdnt/2014 dated.01.04.2015.
3. Later, the lease has been transferred from M/s. Lovely Chemicals to M/s. The Ramco Cements Limited vide G.O. Ms No.145 dated.19.07.2019.
4. Hence, M/s. The Ramco Cements Limited, has submitted an application in Form – 7 in the PARIVESH Portal vide Proposal No. SIA/TN/MIN/209977/2021 for transfer of EC in the name of M/s. The Ramco Cements Limited from M/s. Lovely Chemicals.
5. The name transfer request was placed in the 596th meeting of Authority held on 22.02.2023 & 23.02.2023. The Authority noted that the earlier EC dated.18.02.2014 was given for an extent of 7.35.0 Ha whereas while transferring the lease, the extent was reduced to 7.34.0 Ha.


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In this regard, the authority decided that the proponent's request for transfer of EC from M/s. Lovely Chemicals to M/s. The Ramco Cements Limited cannot be processed as there is a reduction of extent in the lease.

Accordingly, the proponent (M/s. Lovely Chemicals) was requested to apply for amendment (Form – 4) in online through PARIVESH portal and subsequently name transfer shall be processed.

6. Subsequently, the proponent has submitted an application in the PARIVESH Portal in Form - 4 vide Proposal No. SIA/TN/MIN/303597/2023 seeking amendment in the EC dated. 18.02.2014 for amending the mine lease area from 7.35.0 Ha to 7.34.0 Ha stating that the small variation observed is attributable to the error involved in the conversion of the lease area from acres to hectares. In view of the above, the authority after detailed deliberations, decided to process the proponent's request of amendment and name transfer after obtaining the following details from the proponent:

- 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.18.02.2014.
- ii) The proponent shall submit a copy of the latest scheme of mining approved by IBM.

7. Subsequently, the proponent vide letter dated.10.06.2024 submitted a reply to the queries raised by the authority.

8. In this regard, the proposal along with the reply furnished by the proponent was placed in the 730th SEIAA meeting. The authority after deliberations decided to forward the proposal to SEAC for seeking remarks.

9. In view of the above, the proposal is placed in this 484th SEAC meeting.

10. The Committee noted that proponent has furnished a Certified Compliance Report obtained from IRO for the earlier EC vide EP/12.1/2023-24/SEIAA/146/TN/383 dated.21.03.2024.

11. Further, the proponent has furnished a Review of Mining Plan with PMCP for the period of 2023-24 to 2027-28 approved by Regional Controller of Mines, IBM vide Lr.No.TN/TKD/LST/ROMP-1693.MDS dated.21.12.2022


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Based on the presentation and details submitted by the proponent, the Committee, after deliberations, decided to recommend the following changes in the EC dated.18.02.2014 subject to the condition that all other conditions mentioned in the ECs dated.18.02.2014 & 01.04.2015 shall remain unaltered.

Online Proposal No.	Description	As in EC dated.18.02.2014.	SEAC Current Recommendation
SIA/TN/MIN/209977/ 2021 dated. 21.04.2021.	Application for name transfer in Form - 7	M/s. Lovely Chemicals	<u>Name Transfer</u> <u>Recommended:</u> M/s. The Ramco Cements Limited (Sivalarpatti Limestone Mine Lease – IV)
SIA/TN/MIN/303597/ 2023 dated. 27.08.2023.	Application for amendment in project extent vide Form-4	7.35.0 Ha	<u>Amendment recommended:</u> 7.34.0 Ha

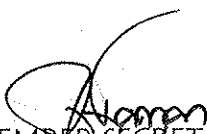
Agenda No: 484-14

(File No: 407/2010)

Proposed expansion in production/enhancement in mining of limestone from 52,725 TPA to 62,500 TPA in mining lease area of 7.675 Ha at S:Nos.329/2, 329/3, 329/8, 330/2, 330/3, 330/7, 330/8, etc of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District, Tamil Nadu - For Amendment & Name Transfer in Environmental Clearance - from M/s. Lovely Chemicals (Mine Lease-I) to M/s. The Ramco Cements Limited. (Transfer of EC Online No: SIA/TN/MIN/209736/2021, Dated:19.04.2021)
(Amendment in EC Online No: SIA/TN/MIN/303595/2023, Dated:27.08.2023)

The subject was placed in the 731st authority meeting held on 19.06.2024. Earlier the proposal was placed in the 657th authority meeting.

The authority noted the following:


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1. Environmental Clearance was issued to the project proponent M/s. Lovely Chemicals for the proposed expansion in production/enhancement in mining of limestone from 52,725 TPA to 62,500 TPA in mining lease area of 7.675 Ha at S.Nos.329/2, 329/3, 329/8, 330/2, 330/3, 330/7, 330/8, etc of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District vide Lr.No. SEIAA-TN/F.No. 407/1(a)/EC-1061/2014 dated.18.02.2014
2. Subsequently, the proponent has obtained Environmental Clearance for expansion of Sivalarapatti Limestone Mine Lease –I,Extent – 7.67.5 HA vide Lr.No.SEIAA-TN/F.No.407/1(a)/ EC-10612014 dated.16.02.2014.
3. Later, the lease has been transferred from M/s. Lovely Chemicals to M/s. The Ramco Cements Limited vide G.O. Ms No.247 dated.23.11.2020.
4. Hence, M/s. The Ramco Cements Limited, has submitted an application in Form – 7 in the PARIVESH Portal for transfer of EC in the name of M/s. The Ramco Cements Limited from M/s. Lovely Chemicals.

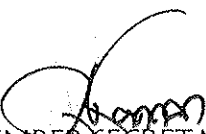
While transferring the lease, the extent has been reduced to 7.66.5 Ha by deleting the S.F.No. 329/8.The Proponent is requested to clarify the reason for reduction in the extent.

In this regard, the authority decided that the proponent's request for transfer of EC from M/s. Lovely Chemicals to M/s. The Ramco Cements Limited cannot be processed as there is a reduction of extent in the lease.

Accordingly, the proponent (M/s. Lovely Chemicals) was requested to apply for amendment (Form – 4) in online through PARIVESH portal and subsequently name transfer shall be processed.

5. Subsequently, the proponent has submitted an application in the PARIVESH Portal in Form - 4 vide Proposal No. SIA/TN/MIN/303595/2023 seeking amendment in the EC dated. 18.02.2014 for amending the mine lease area from 7.65.5 Ha to 7.67.5 Ha stating that the small variation observed is attributable to the error involved in the conversion of the lease area from acres to hectares.

In view of the above, the authority after detailed deliberations, decided to process the proponent's request of amendment and name transfer after obtaining the following details from the proponent:


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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.18.02.2014.

ii) The proponent shall submit a copy of the latest scheme of mining approved by IBM.

6. Subsequently, the proponent vide letter dated.10.06.2024, has submitted a reply to the queries raised in the 657th authority meeting.

7. In this regard, the proposal along with the reply furnished by the proponent is placed in this 731st SEIAA meeting.

The Authority after deliberations decided to forward the proposal to SEAC for seeking remarks.

Now the proposal was placed in the 484th meeting of SEAC held on 19.07.2024.

S.No.	Description	Existing EC	Name Transfer in EC
1.	Org Name	M/s.Lovely Chemicals (Mine Lease-I)	M/s.The Ramco Cements Limited


EC Letter	Reference of EC	As per EC	Amendment Requested
Lr.No.SEIAA-TN/F.No.407/1 (a)/EC-Amdnt/2014 dated 01.04.2015	Subject, Page 1	"... in the existing mining lease area of 7.675 hectares (Mining Lease-I) at S.Nos.329/2,329/3, 329/8, 330/2, 330/3, 330/7, 330/8 etc. of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District.."	"... in the existing mining lease area of 7.665 hectares (Sivalarpatti Limestone Mine Lease-III) at S.Nos. 329/2,329/3, 330/2, 330/3, 330/7, 330/8 etc. of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District.."


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	Paragraph 2, Page 1	"..in the existing mining lease area of 7.675 hectares (Mining Lease-I) at Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District.."	"..in the existing mining lease area of 7.665 hectares (Sivalarpatti Limestone Mine Lease-III) at Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District.."
Lr.No.SEIAA-TN/F.No.407/1 (a)/EC- 1061/2014 dated 18.02.2014	Subject, Page 1 of 12	"... in the existing mining lease area of 7.675 hectares (Mining Lease-I) of M/s. Lovely Chemicals at S.Nos.329/2, 329/3, 329/8, 330/2, 330/3, 330/7, 330/8, 331/1, 331/2, 333/3, 333/4, 334/5, 334/6 & 345/1(pt) of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District"	"... in the existing mining lease area of 7.665 hectares (Sivalarpatti Limestone Mine Lease-III) of The Ramco Cements Ltd. at S.Nos.329/2, 329/3, 330/2, 330/3, 330/7, 330/8, 331/1, 331/2, 333/3, 333/4, 334/5, 334/6 & 345/1(pt) of Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District"
	Section 2.0, Page 1 of 12	"The existing mine lease area is 7.675 hectares and there is no change in the extent of existing mine lease area under the enhancement mining proposal."	"The existing mine lease area is 7.665 hectares and there is no change in the extent of existing mine lease area under the enhancement mining proposal."


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Section 4.0, Page 2 of 12	"As per the mine layout plan furnished, there is another mine lease area-II of M/s. Lovely Chemicals, having an extent of 7.350 hect overlapping with this mine lease area-I."	"As per the mine layout plan furnished, there is another mine Sivalarpatti Limestone Mine Lease-IV of The Ramco Cements Ltd, having an extent of 7.340 hect overlapping with this Sivalarpatti Limestone Mine Lease-III."
Section 5.0, Page 2 of 12	"The existing dumps are common for both mine lease areas I & II."	"The existing dumps are common for both Sivalarpatti Limestone Mine Lease-III & IV"
Section 10.0, Page 3 of 12	".. in the existing mine lease-I of M/s. Lovely Chemicals located at S.Nos. 329/2, 329/3, 329/8,330/2,330/3,330/7,330/8,331/1,331/2,333/3,333/4,333/5,334/2,334/5,334/6 & 345/1(pt)..."	"....in the existing Sivalarpatti Limestone Mine Lease-III of The Ramco Cements Ltd located at S.Nos.329/2,329/3,330/2,330/3,330/7,330/8,331/1,331/2,333/3,333/4,333/5,334/2,334/5,334/6& 345/1(pt)..."

Based on the presentation made by the proponent, the SEAC carefully examined the proposal and decided to recommend the name transfer and above said amendments as requested by the PP. All the other conditions stipulated in EC vide Letter No.SEIAA-TN/F.No.407/1(a)/EC-1061/2014 dated:18.02.2014 will remain unaltered.

Agenda No: 484-15

(File No: 10531/2023)

Proposed Gravel quarry lease over an extent of 1.68.5Ha at SF.Nos. 897/1, 897/3 & 897/4 of Arasiramani Bit-II Village, Sankari Taluk, Salem District, Tamil Nadu by Thiru.K.M.Murugan - For Environmental Clearance.


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(SIA/TN/MIN/451566/2023, Dated:07.11.2023)

The SEAC noted the following:

1. The Project Proponent, Thiru.K.M.Murugan has applied for Environmental Clearance for the Proposed Gravel quarry lease over an extent of 1.68.5Ha at SF.Nos. 897/1, 897/3 & 897/4 of Arasiramani Bit-II Village, Sankari Taluk, Salem 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. Earlier, the proposal was placed in the 439th meeting of SEAC held on 10.01.2024. Based on the presentation and documents furnished by the project proponent, SEAC decided to direct the PP to submit the following additional details;
 - a. Since Village starts at 50m and school is located at 230m, the PP was requested to submit revised mining plan from competent authority. Further Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent held on 10.01.24.
4. Earlier, the proposal was placed for appraisal in the 456th meeting of SEAC held on 28.03.2024. Based on the presentation & details furnished by the project proponent, the Committee decided to recommend granting of Environmental Clearance to the proposal subject to the conditions stated therein.
5. Subsequently, the proposal was placed in the 715th SEIAA meeting held on 29.04.2024. The Authority noted that the subject was appraised in 456th SEAC meeting held on 28.03.2024. The Committee noted that, SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.

The Authority, during deliberations noted the following,

- i. It seems a School is located at 230 m, PP shall furnish the details of No. of students studying in the school and furnish the details whether that school falls in the safer zone or away from safer zone.
- ii. It seems that the recommended production quantity and annual peak production is varied from revised mining plan production quantity.


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In view of these, the Authority decided to refer back the proposal to SEAC for re-appraisal on the above said points.

6. In view of the above, the proposal is again placed in this 469th SEAC meeting on 23.05.2024.

The PP has submitted furnished the reply as follows,

S. No	ADS QUERY	REPLY Furnished by PP
1.	It seems a school is located at 230m pp shall furnish the details of No. of student studying in the school and furnish the details whether that school falls in the safer zone or away from safer zone.	<ul style="list-style-type: none"> ➤ It is a Panchayat Union Elementary school with 2 classrooms. ➤ 1 Boys toilet and 1 Girls toilet is in good condition. ➤ Total Student strength is 12 out of which 4 Boys and 8 Girls. ➤ CPCB report on the matter of M. Haridasan and others versus state of Kerala Dated: 09.07.2020 has said that the minimum distance of 100m is enough for without blasting. ➤ It is a gravel quarry lease involving JCB and tipper. ➤ The school at 230m is in the safe zone. Moreover, the wind pattern is usually in India and the lease area is easterlies and westerlies. ➤ The school is located in western side of the lease area at 230m and also provides the additional advantage of the mining operation.
2.	It seems that the recommended production quality and annual	<ul style="list-style-type: none"> ➤ In 456th SEAC Minutes the quantity recommended is 23008m³ of gravel


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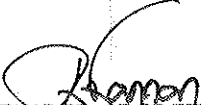
<p>peak production is varied from revised mining plan production quantity.</p>	<p>mentioned in the old mining plan. The revised mining plan was prepared by leaving a safety distance of 247m from the nearest habitation - Ellapalayam village and the quantity is calculated as 13524m³ for a depth of 2m BGL and the same was approved by Dept of Geology and Mining. As per MCR 1960 amended in 2017 if the revised mining plan is approved the old or previous mining plan is automatically invalid. So, please consider the quantity mentioned in the approved revised mining plan and Issue EC for the gravel quarry.</p>
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Now the PP has submitted the revised mining plan and it was found the applicant has obtained permission to quarry 13,524 cu.m.of Gravel in the proposed area after omitting the S.F.No. 897/1 (0.57.0) to a depth of 2 meter BGL.

7. Subsequently, the proposal was placed in the 728th SEIAA meeting held on 10.06.2024. The Authority noted that the subject was appraised in 469th SEAC meeting held on 23.05.2024. 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 conditions stated therein. After detailed discussions, the Authority noted that, though the students strength is 12, this proposal attracts the following legal implications:

(i) Under the provisions of Tamil Nadu Minor Mineral Concession Rules, 1959, Rule 36 (1-A) (a) says

".... No lease shall be granted for quarrying stone within 300 meters (three hundred meters) from any inhabited site: Provided that the exiting quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai".


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Similarly, Rule 36 (1-A) (c) also indicates

"... No new layout, building plans falling within 300 metres from any quarry should be given approval by any agency unless prior clearance of the Director of Geology and Mining is obtained. On receipt of proposals for according clearance, the Director of Geology and Mining (DGM) shall decide upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such ,clearance...."

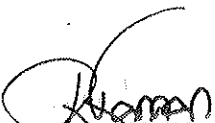
The mining method is opencast-Semi mechanized mining which involves blasting and wet drilling procedures and this method of extraction gives rise to including noise pollution, air pollution, damage to biodiversity and habitat destruction and Movements of stone carrying trucks will be threatened to school students.

Hence the interest of Children and their health, need for considering may be examined.

In view of these, the Authority decided to refer back the proposal to SEAC for re-appraisal on the above said points.

8. Now the proposal was again placed in the 484th meeting of SEAC held on 19.07.2024.
9. The reply furnished by the proponent for the queries raised by SEIAA is as follows:

S. No	ADS QUERY	REPLY
1.	The mining method is opencast- semi mechanized mining which involves blasting and wet drilling procedures and this methods of extraction given rise to including noise pollution air pollution damage to biodiversity and habitat destruction and movements of	<ol style="list-style-type: none">1. SEAC had recommended the file by reducing the lease boundary in the southern side for considering the safety of the panchayat union elementary school located at a distance of 404m.2. The wind direction usually in East to west and vise versa in annum.


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	<p>stone carrying trucks will be threatened to school students. Hence the interest of children and their health, need for considering may be examined. In view of these, the authority decided to refer back the proposal to SEAC for re-appraisal on the above said points.</p>	<ol style="list-style-type: none"> 3. The school and village is in southern side will not affect by the way of pollution due to this is gravel quarry. 4. This is the Gravel quarry lease for a depth of 2m below ground level from the surface involving excavator and tipper. 5. No wet drilling and blasting proposed and nowhere the drilling and blasting was mentioned in the any of the following documents such as <ul style="list-style-type: none"> • Mining Plan • Revised mining plan • Prefeasibility report • Affidavit. 6. The Government school is located at 403m from the revised boundary of the lease area.
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The Committee after carefully examined the queries raised by the Authority & the replies furnished by the proponent and after detailed deliberations decided to reiterate the recommendations already made in the 469th SEAC meeting held on 23.05.2024 including all the conditions prescribed therein.

Agenda No:484-16

(File No: 10730/2024)

Proposed Rough Stone and Gravel Quarry over an extent of 4.49.5Ha at S.F.Nos. 230/1, 230/2, 230/3, 230/4, 230/5, 230/6 & 230/7 of Nedungulam Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu by Tvl. Krishna Blue Metals -For Environmental Clearance. (SIA/TN/MIN/464432/2024, Dated: 29.02.2024).

The proposal was earlier placed in the 461st Meeting of SEAC held on 25.04.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The Project Proponent, Tvl. Krishna Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 4.49.5Ha at S.F.Nos. 230/1, 230/2, 230/3, 230/4, 230/5, 230/6 & 230/7 of Nedungulam Village, Sathankulam Taluk, Thoothukudi 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.

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 shall not exceed 1,62,160 m³ of Rough stone & 28,056 m³ of Gravel for the ultimate depth of mining up to 47m BGL for the project life of 5 years (or) expiry date of mine lease but subject to a maximum of thirty years, whichever is earlier, from the date of lease execution, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022 and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the specific conditions stated therein:

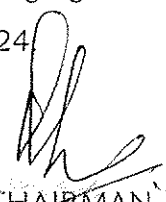
Subsequently, the subject was placed in the 720th Authority meeting held on 03.05.2024. After detailed discussions, the Authority decided to obtain the following details from the PP for further course of action.

- Since waterbodies are situated nearby. The PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry for ensuring the safety of the persons working in the mine and to determine impacts of the mining operation on the ground water conditions in the waterbodies, 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.
- The PP shall obtain a letter from the Concerned Director of Agriculture stating that proposed mining activity has no impact on the surrounding Agriculture.

The Proponent had submitted a reply vide its letter dated:07.06.2024


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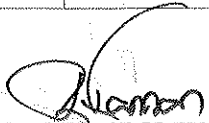
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Hence, the subject was again placed in the 728th Authority meeting held on 10.06.2024. The Authority after detailed discussions, decided to refer back the proposal to SEAC-TN to obtain its remarks on the reply submitted by the Proponent to take further course of action.

Now, the proposal was again placed in the 484th Meeting of SEAC held on 19.07.2024. The Project proponent made a presentation along with the clarifications for the above shortcomings observed by the SEIAA.

S.No	Query raised by the SEIAA	Reply submitted by the PP
1.	<p>Since waterbodies are situated nearby, The PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry for ensuring the safety of the persons working in the mine and to determine impacts of the mining operation on the ground water conditions in the waterbodies, 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.</p>	<p>We wish to bring your kind notice that our proposal is for quarrying of Roughstone and Gravel and Hard Batholith Charnockite formation with inference of Ground water occurrence in the aquifer deep seated beyond the depth of 64m which is submitted in the PFR in comparison with the secondary data of Ground water resource department and primary data of Hydrogeological study by a NABET Consultant.</p> <p>We herewith bring to your notice that based on the availability constraints of the universities proposed in the SEIAA Query could not be made possible and got an opinion from one of the reputed university i.e., Periyar University, Salem and there report is submitted for kind consideration.</p> <p>Also, hereby affirm and undertake that the necessary studies from the universities suggested by SEIAA query</p>

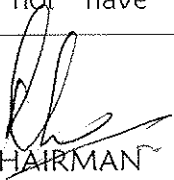

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		shall be carried out during the course of quarrying operations and submit the report in the HYCR.
2.	The PP shall obtain a letter from the Concerned Director of Agriculture stating that proposed mining activity has no impact on the surrounding Agriculture.	<p>We request the Honorable SEAC/SEIAA to please consider our report with respect to impact analysis on the surrounding lands around the proposed project area based on the land classifications and purpose of usage certified by the village administrative officer.</p> <p>We submit for your kind consideration the list of land classification/ usage purpose of the S.F.Nos surrounding our project site vide Adangal documents. Land classification for which no records were available in adangal but based on the project site visit and confirmation with project proponent those survey nos are plantain leaves and coconut plantation (Seasonal).</p> <p>Now based on the available records and ground truthing carried out by land use Land cover survey by M/s. Geo Exploration and Mining Solutions a NABET Accredited consultant it is inferred from the study that the surrounding lands on the southern, eastern and western side a dry barren lands with seasonal plantation on the northern side shall not have any</p>


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		<p>significant impact on the agriculture around the area. As, the project site is a small scale mining for quarrying of Rough stone and Gravel and the anticipated impacts are a minor contribute towards Air pollution by ways of dust propagation which is already mitigated by ways of robust and effective EMP implementation plan with budget allocation specifically in terms of green belt development in the safety barrier and water sprinkling activities on the working face.</p>
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The SEAC carefully examined the replies and documents submitted by the PP and decided to reiterate its recommendation already made in the 461st Meeting of SEAC held on 25.04.2024. All the conditions recommended will also remain unchanged.

Agenda No. 484 - 17

File No: 10831/2024

Proposed Rough stone and Gravel Quarry lease over an extent of 3.15.48 Ha at S.F.No. 192/7A2, 192/7B1, 192/7B2, 192/8A1, 192/8A2, 192/8A3A, 192/8A3B, 192/8B, 192/8C, 192/9A, 192/9B and 192/10 of Peranakavur Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu by Tmt. R.Lavanya – Environment Clearance.

(SIA/TN/MIN/468848/2024 dt 09/04/2024)

The proposal was earlier placed in the 469th meeting of SEAC held on 23.05.2024. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent made a detailed presentation.

The SEAC noted the following:

1. The project proponent, Tmt. R.Lavanya has applied seeking Environmental Clearance for the Proposed Rough stone and Gravel Quarry lease over an extent


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of 3.15.48 Ha at S.F.No. 192/7A2, 192/7B1, 192/7B2, 192/8A1, 192/8A2, 192/8A3A, 192/8A3B, 192/8B, 192/8C, 192/9A, 192/9B and 192/10 of Peranakavur Village, Uthiramerur Taluk, Kancheepuram District, Tamil Nadu.

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

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 conditions stated therein.

Subsequently the subject was placed in the 728th meeting of SEIAA held on 10.06.2024. The SEIAA noted that the subject was appraised in the 469th meeting of SEAC held on 23.05.2024 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.

After detailed discussions, the SEIAA decided to refer back the subject to SEAC to furnish remarks on the following:

1. On perusal of the KML file it was noticed that there is habitation at a distance of 187m North east of the mine lease area.
2. As water bodies are located near the project site the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry for ensuring the safety of the persons working in the mine and to determine impacts of the mining operation on the ground water conditions in the waterbodies, 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 and furnish the study report.
3. The PP shall necessarily upload the PPT and the new documents presented before the Committee on the PARIVESH portal.

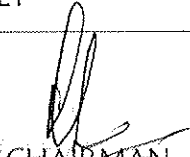
Now, the proposal was placed in this 484th meeting of SEAC held on 19.07.2024.

The Project Proponent made a detailed presentation on the proposed project. The SEAC noted the reply furnished by Project Proponent, which is as follows:


S.No	SEIAA QUERY	REPLY
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1.	On perusal of the KML file it was noticed that there is habitation at a distance of 187m North east of the mine lease area.	<ul style="list-style-type: none"> • We wish to bring your kind notice and records that there is no Habitation at a distance of 187m North East from the mine lease area. • As per the structure study reported in the PPT there are a total of four structures i.e., Mine shed, Store room and Garden sheds within the radius of 300m (structure study details in 469th SEAC meeting PPT Slide no 22 &23). • From the query raised by SEIAA, we again cross checked and correlate that on the western side at a distance of 230 and 170m which we have already reported as a shed could be the only possibilities of structure and we are submitting the detailed photographs and the usage purpose of the sheds. The shed was previously used for making sculptures and now used to store agriculture goods. • There is no Habitation within the radius of 300m the nearest habitation is 430m South west mentioned in the slide No 21 of the 469th SEAC Meeting PPT.
2	As water bodies are located near the project site the PP shall carry out the scientific studies to	<ul style="list-style-type: none"> • We hereby request the Honourable SEAC/SEIAA to consider the Hydrogeological study report


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<p>assess the hydrogeological condition of the quarry for ensuring the safety of the persons working in the mine and to determine impacts of the mining operation on the ground water conditions in the waterbodies, 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 and furnish the study report.</p>	<p>carried out by a NABET Accredited consultancy – M/s. Geo Exploration and Mining Solutions, Salem as there was an availability constraint with the listed academic institutions.</p> <ul style="list-style-type: none"> • A preliminary hydrogeological study was also submitted along with the Form – I & Pre- Feasibility report and now we are herewith submitting the detailed report (report details furnished in the following side No 12-14 and the hard copy of the same is also submitted) with inference on the impact of quarrying on the Hydrogeological regime of the project area for your kind consideration. • The study report clearly indicates that the project site is on a massive hard batholith formation of Charnockite group and the depth of the water table in the region is beyond 64m below the ground level and there are no fractures, fissures or lineaments encountered during the study in the project area for a depth of 100m below the ground level. Also, a surrounding study of few existing quarries in the region were taken into consideration and it is evident that those existing quarries
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		<p>have reached and an average depth of 35m to 40m and have not intersected the ground water table.</p> <ul style="list-style-type: none"> • It is affirm that the Hydrogeological studies will be carried out by the reputed institute during the course of quarrying action and the report of the same shall be submitted in the HYCR.
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The SEAC carefully examined the queries raised by SEIAA and the replies submitted by the PP and decided to reiterate its recommendations already made in the 469th meeting of SEAC held on 23.05.2024. All the other conditions remain unaltered.

Agenda No: 484 - 18

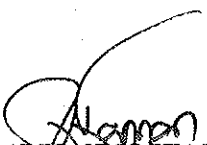
(File No: 10689/2024)

Proposed Beach Front Development at Mudaliarkuppam Village at S.No: 241/5 of Mudaliarkuppam Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by M/s. Tamil Nadu Tourism Development Corporation (TTDC) – For CRZ Clearance.
(SIA/TN/INFRA2/456810/2024 dated 01.02.2024)

The proposal was earlier placed in the 450th meeting of SEAC held on 07.03.2024. 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, M/s. Tamil Nadu Tourism Development Corporation (TTDC) has applied seeking CRZ Clearance for the Proposed Beach Front Development at Mudaliarkuppam Village at S.No: 241/5 of Mudaliarkuppam Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu.
2. G.O.(Ms.) No.85 Tourism, Culture and Religious Endowments(T3-2) Department dated 31.03.2022.
3. Hon'ble NGT(SZ) orders dated 28.04.2023 in O.A. 15 of 2023


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4. Recommendations for CRZ clearance vide SCZMA EF&CC, GoTN Lr. No. P1/1796/2023 dated 28.11.2023 along with supporting documents.
5. The project/activity does not attract the provisions given under the EIA Notification, 2006 as amended.

The SEAC further noted that the project/activity is a permitted activity in CRZ - III (NDZ) zone as stated in the Sl.No. 4(i)(a) and 8(III-A)(iii)(a) of CRZ Notification 2011 as amended:

4. Regulation of permissible activities in CRZ – The following activities shall be regulated except those prohibited in para 3 above, –
 - (i) (a) clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities;

8. Norms for Regulation of Activities Permissible Under this Notification, –

III. CRZ-III, –

A. Area up to 200mts from HTL on the landward side in case of seafront and 100mts along tidal influenced water bodies or width of the creek whichever is less is to be earmarked as — “No Development Zone (NDZ)”,

(iii) however, the following activities may be permitted in NDZ–

(a) agriculture, horticulture, gardens, pasture, parks, play field, and forestry;

Need for the project

The Mudaliarkuppam boat house is presently operated by TTDC with the facilities such as Restaurant, Ticket Counter, Community Hall, Parking, Washrooms, Jetty and dock area. The tourist counts during the year 2019-20 indicates that there were 41,088 domestic and 399 International Tourists. Hence, the present facilities are insufficient during peak visiting period. The tourists are allowed to access the nearby activities. In view of the above, the TTDC has proposed Beach Front Development at Mudaliarkuppam boat house with various facilities.

The Tourism, Culture and Religious Endowments Department has issued orders allotting a sum of Rs.1.20 crores to the said development activities based on the announcement made by the Hon'ble Minister for Tourism in the year 2021-22, vide G.O. (Ms.) No.85, Tourism, Culture and Religious Endowments (T3-2) Department, dated 31.03.2022


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Project description

The TTDC has proposed beach front development with the various facilities entirely falls under CRZ-III (NDZ) as follows.

Sl. No.	Name of the facilities	Area
1	Outdoor activities	465 Sq.m
2	Children Play area	280 Sq.m
3	Thatch Sitout	135 Sq.m
4	Prefab Restroom	50 Sq.m
5	Volley Ball Court	165 Sq.m
6	Volley Ball Court	165 Sq.m

The proposed development falls within the following CRZ classifications.

Description	CRZ Classification	Area in Sq.m	Total Area in Sq.m
Project Site	CRZ-IB	14608.56	40984.05
Boundary	CRZ-III (NDZ)	25250.98	
	CRZ-IVB	1124.51	
Proposed Facilities	CRZ-III A (NDZ)	2503.95 (Boundary Area) and 1260 (Facility area)	2503.95 (Boundary area)

The project site area of the proposed Mudaliarkuppam project is 40,984.05 Sq.m in which the proposed activities will be carried out in an area of 2503.95 Sq.m wherein the actual coverage area will be 1260 Sq.m.

Location of the project


The proposed project site is falling in Mudaliarkuppam Village, Chengalpattu district and the latitude is 12°19'55.84"N and longitude is 80°3'15.36"E.

Manpower requirement

For the proposed temporary structure, the employment potential during the construction phase will be average 50 workers per day and the operational phase 25 people is expected to generate employment.


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Water requirement

Water consumption during construction phase will be supplied through tankers based on the requirement. For domestic, water requirement would be 7 m³/day.

Source of Electricity

The power requirement during construction phase will be met through DG Set and during operation phase will be met from TNEB.

Solid Waste

Domestic Solid Waste generation about 10 kg/day will be disposal through municipality. Sewage water is disposed to septic tanks with the capacity of 3000 litre.

Hon'ble NGT (SZ) orders

An Application No.15 of 2023 was filed by Thiru Kannappan and Thiru Panneer on the illegal construction of toilets, compound wall etc., along the banks of the estuary in the area

- h) All activities shall be in conformity with the provisions of the CRZ Notification, 2011
- The project proponent should submit bi-annual report on the project progress to DCZMA.
- j) No storage reservoir for sea water shall be permitted.
- k) The project proponent shall establish only the proposed facility as proposed.

Provisions as per the CRZ Notification, 2011

- As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- Para 3 (xiii), Dressing or altering the sand dunes, hills, natural features including landscape changes for beautification, recreation and other such purpose, is prohibited activities.
- However, as per Para 8 III CRZ-III (ii) (a), agriculture, horticulture, gardens, pasture, parks, play field, and forestry are the permissible activities in CRZ (No Development Zone) area.

Based on the proposal submitted and the presentation made, the SEAC decided to call for the following additional details from the PP:


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1. The PP shall obtain letter from the Wild Life Warden, Chennai stating that the proposed project site is not a breeding and nesting site of Olive Ridley turtle.
2. The PP shall obtain letter from the PWD department detailing the coastal sand dunes present at the proposed project site.
3. PP shall furnish disaster management plan prepared exclusively for the proposed project site.
4. 50 -year history of soil erosion details of the proposed project site.
5. Land document for this S.F.No. 241/5.

On receipt of the details sought above, the Committee will further deliberate and decide on future course of action. The PP vide letter dated 15.07.2024 has furnished the reply and therefore the subject was placed in this 484th meeting of SEAC held on 19.07.2024. The Project Proponent made a detailed presentation on the queries raised by the Committee.

Sl. No	Query raised by SEAC	Reply furnished by the PP
1.	The PP shall obtain letter from the Wild Life Warden, Chennai stating that the proposed project site is not a breeding and nesting site of Olive Ridley turtle.	The proposed project site is not a breeding and nesting site of Olive ridley sea turtle based on MoEF&CC approved CRZ agency Institute of Remote Sensing (IRS), Anna University prepared Coastal Regulation Zone (CRZ) Map 2011 (Authorized Letter Enclosed).
2.	The PP shall obtain letter from the PWD department detailing the coastal sand dunes present at the proposed project site.	The proposed project site is approximately 480 m away from the sand dunes based MoEF&CC approved CRZ agency Institute of Remote Sensing (IRS), Anna University prepared Coastal Regulation Zone (CRZ) Map 2011 (Authorized Letter Enclosed).
3.	PP shall furnish disaster management plan prepared exclusively for the proposed project site.	The disaster management plan is furnished herewith. (Pg. Nos. 16 & 21 of the PPT)


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4.	50 -year history of soil erosion details of the proposed project site.	Letter was issued by National Centre for Coastal Research (NCCR) stating that the proposed site is low eroding coast and therefore no significant impacts on the soil erosion at the site (Authorized Letter Enclosed).
5.	Land document for this S.F.No. 241/5.	Letter submitted.

The SEAC further noted that TNSCZMA vide proceedings Letter No. P1/1796/2023 Dated 28.11.2023 has furnished its recommendations for CRZ clearance under the provisions given under CRZ Notification, 2011 as amended subject to the conditions stated therein. Based on the presentation and the documents furnished by the PP, the SEAC decided to recommend for the grant of CRZ clearance for the proposed project subject to the conditions as recommended by the TNSCZMA, standard conditions stipulated by MoEF & CC for Beach front and fore shore activities and adventure sports and the following:

1. The PP shall comply with all the conditions stipulated in the Hon'ble NGT(SZ) orders dated 28.04.2023 in O.A. 15 of 2023, DCZMA Letter No. DEE/TNPCB/MMN/DCZMA/2023 dated: 17.07.2023 and TNSCZMA Letter No. P1/1796/2023 dated: 28.11.2023.
2. No permanent structures shall be built at the project site.
3. There shall be no sea water or ground water extraction during construction and operational phases.
2. The construction in CRZ area shall be strictly in accordance with the provisions of Coastal Regulation Zone Notification, 2011 and as amended from time and time.
3. The PP shall ensure that the activities do not have significant impact on the shoreline abutting the project site and on the ecologically sensitive areas along the stretch. There shall be no dressing or alteration of sand dunes, natural features including landscape changes for beautification, recreation and other such


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purpose.

4. The proponent shall ensure that no treated or untreated sewage is let outside the project site or find access to marine area and other nearby water-bodies under any circumstances other than the permitted mode of disposal.
5. The proponent shall periodically test the water sample for the general water quality core parameters including fecal coliform within the proposed project site through TNPCB lab /NABL accredited laboratory and submit report to the concerned authorities.
6. The diesel generator sets , if used during constructional and operational phases should be of low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
7. The PP shall ensure the spent/used oil and other hazardous wastes are handed over only to the TNPCB authorized recyclers.
8. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
9. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
10. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
11. The project proponent shall adhere to provide adequate parking space for all the visitors including clean traffic plan as committed.
12. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of CRZ clearance and stoppage of work.

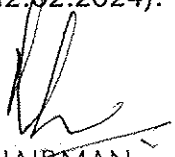
Agenda No: 484-19

(File No: 10688/2024)

Proposed Development of Muthukuda Beach as Tourism Destination at S.F.No. 85/25 of Nattanipurasakkudi Part-II Village, Avudayarkovil Taluk, Pudukkottai District, Tamil Nadu by M/s. Tamil Nadu Tourism Development Corporation (TTDC) - For Clearance under CRZ Notification 2011. (SIA/TN/INFRA2/456986/2024 dated:12.02.2024).


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The proposal was earlier placed in the 450th Meeting of SEAC held on 08.03.2024. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Tamil Nadu Tourism Development Corporation (TTDC) has applied for CRZ Clearance for the Proposed Development of Muthukuda Beach as Tourism Destination at S.F.No. 85/25 of Nattani purasakkudi Part-II Village, Avudayarkovil Taluk, Pudukkottai District, Tamil Nadu.

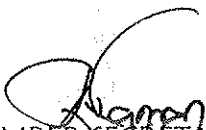
2. CRZ Classification and cost of the project

The proposed site is falls in CRZ-IA (50m mangrove buffer), CRZ-IB (Inter-tidel Zone), CRZ-III (No Development Zone), CRZ-IVB (Water area) and also outside CRZ areas and the total cost of the project is Rs.3.06 crores.

3. Project description:

The project of Proposed Development of Muthukuda Beach as Tourism Destination at S.F.No. 85/25, Nattani purasakkudi Part II Village, Avudayarkovil Taluk, Pudukkottai District has proposed various activities such as

Description	CRZ Classification	Proposed facilities details	Area in Sq.m	Total Area in Sq.m
Proposed Site Boundary	CRZ-IA (50m Mangrove Buffer Zone)	Overall facilities	110.92	37780
	CRZ-IB		8799.13	
	CRZ-III (NDZ)		22367.42	
	Outside CRZ		6502.53	
Temporary construction of Floating Boat Jetty	CRZ-IA (50m Mangrove Buffer Zone)	Proposed Floating Boat Jetty	41.11	144.34
	CRZ-IB		38.29	
	CRZ-III (NDZ)		18.33	


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	CRZ-IVB		46.61	
Proposed facilities (Car Parking area, Children activities area and play area, Entrance area and Gazebos in picnic area)	CRZ-III (NDZ)	Visitors Parking area, Pathway, Walkway	2651.04	3067.99
	Outside CRZ	Pathway, Walkway	416.95	
Proposed construction (Admin block, Visitors Hall, Pre-fab toilet block)	Outside CRZ	Admin block, Visitors Hall, Pre-fab toilet blocks - 2 Nos.	555.33	555.33

➤ The total project area of the site is 37780 sq.m. and the CRZ attracted area is 31277.47 sq.m.

4. Provisions as per the CRZ Notification, 2011

- i. As per CRZ Notification, 2011, Para 3 (i) (a), Clearance shall be given for any activity within the CRZ only if it requires waterfront and foreshore facilities.
- ii. Para 3 (iv), land reclamation, bunding or disturbing the natural course of seawater is prohibited except, required for setting up, construction or modernization or expansion of foreshore facilities like ports, harbours, jetties, wharves, quays, slipways, bridges, sealink, road on stilts, and such


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as meant for defence and security purpose and for other facilities that are essential for activities permissible under this notification.

- iii. Para 8(i) I CRZ-I(ii)(b), construction of dispensaries, schools, public rainshelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub-station which are required for the local inhabitants may be permitted on a case to case basis by CZMA.
- iv. Para 8(i) III CRZ-III A (iii) (a), agriculture, horticulture, gardens, pasture, parks, play field, and forestry are permissible.
- v. Para 8(i) III CRZ-III A (iii) (J), construction of dispensaries, schools, public rain shelter, community toilets, bridges, roads, provision of facilities for water supply, drainage, sewerage, crematoria, cemeteries and electric sub-station which are required for the local inhabitants may be permitted on a case to case basis by CZMA.
- vi. As per Para 4(i) and 4.2. (ii) (c) of the said Notification, the proposal may be recommended to SEIAA, for issuing Clearance.

5. Recommendations of the DCZMA

This subject was placed before the DCZMA of Pudukkottai District on 11.08.2023 and the DCZMA has recommended the proposal to the Tamil Nadu State Coastal Zone Management Authority subject to the conditions stated therein.

6. Recommendations of the TNSCZMA


This subject was placed before the 122nd meeting of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) held on 09.11.2023 and the Authority scrutinized the replies submitted by the Proponent on the remarks of the Technical Expert Committee, during their presentation. Accordingly, the Authority decided to recommend the proposal to SEIAA for issuing CRZ Clearance, with the conditions stated therein.

Based on the documents furnished and the presentation made by the proponent, the SEAC, after detailed deliberations, decided to obtain the following details.

1. The Proposed facility i.e., Car Parking area should be located outside the CRZ area.


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2. The Proponent shall furnish the details about the Mangrove Forest located nearby and the Proponent shall study the impacts of proposed recreation activity on the Mangrove Forest.
3. The implications of the proposed activity on the movement of fishing vessels and other fishing related activities.

On receipt of the above details, the proposal was again placed in the 484th Meeting of SEAC held on 19.07.2024. The Project proponent made a presentation along with the clarifications for the above query raised by the SEAC.

S.No	Query raised by the SEAC	Reply submitted by the PP
1.	The Proposed facility i.e., Car Parking area should be located outside the CRZ area.	The car parking area was shifted to the non CRZ zone as suggested by the committee. Revised map is submitted.
2.	The Proponent shall furnish the details about the Mangrove Forest located nearby and the Proponent shall study the impacts of proposed recreation activity on the Mangrove Forest.	a) Details of Mangrove Forest and Impacts of proposed recreation activity on the Mangrove Forest is submitted. b) In addition, Project Approval Letter from the Forest department is submitted.
3.	The implications of the proposed activity on the movement of fishing vessels and other fishing related activities.	The implications of the proposed activity on the movement of fishing vessels and other fishing related activities are submitted.

Based on the presentation & details furnished by the project proponent, the Committee after detailed deliberations, decided to recommend the proposal for grant of CRZ Clearance under CRZ Notification 2011, subject to the conditions imposed by DCZMA, TNSCZMA, standard conditions imposed by MoEF&CC in addition to the following specific conditions:

1. The project proponent should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
2. The Proponent shall ensure that marine ecosystem is undisturbed.


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3. The proposed activity should in no way cause any hindrance to the Mangrove Forest located 70 m away from the proposed project site.
4. The proposed activity should in no way cause any impact on the movement of fishing vessels and other fishing related activities.
5. The project proponent shall provide biotoilets for the treatment and disposal of sewage generated. The treated water shall be used for green belt developed within the premises.
6. No ground water from CRZ area shall be tapped for the project.
7. All the solid waste will be generated from the proposed activity shall be handled as per the Solid waste Management Rules 2016.
8. The project proponent shall undertake the establishment only after getting the required Clearances from Competent authorities such as Planning Permission, Plan Approval etc., including the clearance under CRZ Notification, 2011 and other statutory clearances.
9. The proposed construction shall comply with the Construction and Demolition Waste Management Rules, 2016.
10. The proponent shall comply with the Environmental Management Plan during construction and operational phases (Rs. 5,48,000/-).
11. As accepted by the Project Proponent the CER cost is Rs. 6,12,000/- and the amount shall be spent towards Construction of library and toilets nearby Government Schools as committed by the PP during the appraisal without deviation, within 1 year from the date of issue of Clearance.

Agenda No: 484 – TA - 01

(File No: 10547/2023)


Existing Grey Granite over an extent of 34.35.5Ha in S.F.No.283(Part) in Sulamalai Village, Bargur Taluk, Krishnagiri District by M/s. Tamil Nadu Minerals Limited - For Corrigendum in Terms of Reference. (SIA/TN/MIN/487363/2024, Dated: 12.07.2024)

The proposal was placed for appraisal in this 484th meeting of SEAC held on 19.07.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:


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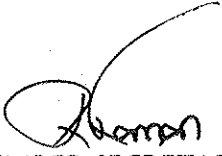
1. Earlier, the project proponent M/s. Tamil Nadu Minerals Limited has obtained Terms of Reference vide Lr.No. SEIAA-TN/F.No.10547/2023/Violation/ToR-1649/2023, dated: 10.01.2024 for the Existing Grey Granite over an extent of 34.35.5Ha in S.F.No.289(Part) in Sulamalai Village, Bargur Taluk, Krishnagiri District, Tamil Nadu.
2. Now, the project proponent has applied for Corrigendum in Terms of Reference (Form-13) vide Online Proposal No. SIA/TN/MIN/487363/2024, Dated: 12.07.2024 as follows:

As per ToR dated: 10.01.2024	Corrigendum Sought
SF.No.289(Part)	283(Part)

Based on the presentation & PP's request, SEAC carefully examined & decided to recommend the following corrigendum in the ToR issued earlier vide Letter dated 10.01.2024 subjects to the following condition:

As per ToR dated: 10.01.2024	Corrigendum Recommended
SF. No. 289(Part)	SF No. 283(Part)

- i. All other conditions stipulated in the ToR given vide Lr. No. SEIAA-TN/F.No.10547/2023/Violation/ToR-1649/2023, dated: 10.01.2024 shall remain unchanged and unaltered.


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ANNEXURE-I

SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED WITHIN 1 KM FROM THE RESERVE FORESTS

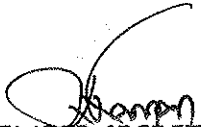
1. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
2. The proponent shall construct and maintain proper fencing all around the 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.


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GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

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.
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.


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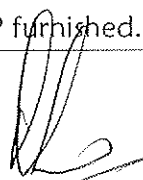

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9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent 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 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 (TNPCB) 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 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.


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ROUGH STONE/JELLY/BLUE METAL QUARRY

- 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.
- 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



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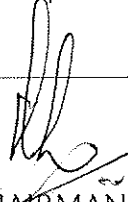

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AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.

- 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.
- 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.


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- 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 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.

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 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.


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SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS		
Sl. No	Existing (or) Virgin Quarry	
	Wind Mills located at a distance of 150 m to 300 m	Wind Mills located beyond 300 m Up to 500 m
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 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.


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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.
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.
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.


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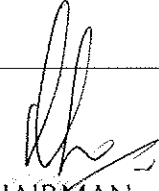
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7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope 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.
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.


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- 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.
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



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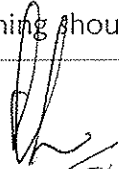
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pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the 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 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


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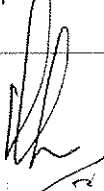
secured and furnished to the effect that the proposed mining activities could be considered.

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/EMP 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.
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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Appendix - I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	வீல்வம்
2	<i>Adenaanthera pavonina</i>	Marjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புள்ளை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweetenia</i>	Purasamaram	புரசு மரம்
16	<i>Cochilospermium religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Nanuvuli	நருவளி
18	<i>Creteva adansonii</i>	Mavalingum	மாவினங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சீறு உசா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆசா
26	<i>Holoptelia integrifolia</i>	Aavili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odham	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhry	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila marani	விளை மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிரம்பா, பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Mankara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வேள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஏச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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


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Appendix –II


Display Board

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

-----சுரங்கம்

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

பசுமை பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	சுவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும் சுரங்கப்பாதையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாசு ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
நடப்பட்டு பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை:	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இரைச்சல் அளவையும் தூசி மாசுபாட்டையும் குறைப்பதற்காக சுவாரியின் எல்லையை சுற்றி அடர்த்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாரும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டி.சி.பி.எஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு க்காதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலையை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கு சென்சைஸில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	


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