

State Expert Appraisal Committee (SEAC)

Minutes of 425th meeting of the State Expert Appraisal Committee (SEAC) held on 23.11.2023 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Mallgai, Saidapet, Chennai 600 015 for consideration of Building and Construction Projects, Metallurgical Industries and Mining projects.

Confirmation of Earlier Minutes

The minutes of the 424th (Part – 2) SEAC meeting held on 18.11.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 10403 - 01

(File No: 10403/2023)

Proposed Construction of Dormitory buildings of the Industrial units for the manufacture of Electronic Hardware by M/s. Delta Electronics India Pvt. Ltd at Survey No. 16-1B2B (Part), 16-3(Part), SIPCOT Industrial Park, Kurubarapalli Village, Krishnagiri Taluk & District, Tamil Nadu - For Environmental Clearance. (SIA/TN/INFRA2/444094/2023, Dated: 14.09.2023)

The proposal was placed in 425th SEAC meeting held on 23.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Delta Electronics India Pvt. Ltd has applied for Environmental Clearance for the Proposed Construction of Dormitory buildings of the Industrial units for the manufacture of Electronic Hardware at Survey No. 16-1B2B (Part), 16-3(Part), SIPCOT Industrial Park, Kurubarapalli Village, Krishnagiri Taluk & District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Total plot area is 66692.19Sq.m & the built – up area is 114256.82Sq.m.
4. Earlier the proposal was placed in 418th SEAC meeting held on 19.10.2023. The SEAC noted that the EIA Co-ordinator has not attended the meeting. Hence the


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subject was not taken up for discussion and the committee deferred the proposal.


Now the proposal was again placed in 425th SEAC meeting held on 23.11.2023. SEAC noted the following.

1. The environmental clearance is sought for Proposed Construction of Dormitory buildings of the Industrial units for the manufacture of Electronic Hardware by M/s. Delta Electronics India Pvt. Ltd at Survey No. 16-1B2B (Part), 16-3(Part), SIPCOT Industrial Park, Kurubarapalli Village, Krishnagiri Taluk & District, Tamil Nadu.
2. M/s EHS360 LABS PVT LTD is the EIA Consultant for the project.
3. Total plot area of the project is 66692.19 Sq.m and built-up area is 114256.82 Sq.m respectively.
4. Maximum number of floors will be 8 Nos, maximum height of the building will be 38.6 m.
5. Total Saleable DU's (dwelling units) is Nil.
6. The project proposal falls under Category-8(a) of EIA Notification, 2006 (as amended).

Based on the documents submitted and presentation made by the project proponent along with the consultant, SEAC decided to call for the following additional details to appraise the proposal further.

- (a) The proponent shall submit details of temporary sheds noticed within the site and the purpose for which they are used. The sheds which are within the proposed area are temporary sheds.
- (b) From the KML file it is seen that there are trees on the proposed land. The details should be enumerated and reported.
- (c) PP shall submit a plan to use a minimum of 50% of roof area for Solar panels.
- (d) PP shall also submit a plan to use 100% of roof area of the industrial shed operated by the PP for Solar panels.


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- (e) PP shall submit a revised Water Balance Chart based on the discussions in the Committee.
- (f) E-Waste generation data to be included and appropriate EMP to be revised.
- (g) PP shall revise the Organic Waste Converter capacity as discussed in the Committee.
- (h) PP has come forward to spend an amount of Rs. 3.6 Crores towards CER. PP is requested to submit a detailed action plan in this regard.

Agenda No: 425 – 02.

(File No: 10119/2023)

Existing Grey Granite quarry lease over an extent of 2.02.5Ha at S.F. No: 416/2A and 147/2B of Veppalampatty Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu by M/s. Sri Balaji Land Promoters Pvt Ltd –For Environmental Clearance. (SIA/TN/MIN/432607/2023 Dt. 08.06.2022).

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

The SEAC noted the following:


1. The project proponent, M/s. Sri Balaji Land Promoters Pvt Ltd has applied for Environmental Clearance for the Proposed Grey Granite quarry lease over an extent of 2.02.5Ha in S.F. No: 416/2A and 147/2B, Veppalampatty Village, Pochampalli Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. The Mining Lease was issued for the period of 20 Years. The approved current scheme mining plan for the period of 5 Years & production should not exceed ROM of 27225m³ & 6805m³ of Granite (Recovery 25 %) & 20420m³ of Granite Waste (Reject 75%)]. The annual peak production is ROM of 5459m³ & 1365m³ of Granite (Recovery 25%) & 4094m³ of Granite Waste (Reject 75%)]. The depth of mining is 34m BGL.

Sl. No	Salient Features of the Proposal
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1.	Name of the Owner/Firm	:	M/s. Sri Balaji Land Promoters Pvt Ltd No.358. Ganapathy Colony. 2 nd Street, Ekkatuthangal. Chennai-32.		
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Grey Granite		
3.	S.F Nos. of the quarry site with area break-up	:	416/2A and 147/2B		
4.	Village in which situated	:	Veppalampatty		
5.	Taluk in which situated	:	Pochampalli		
6.	District in which situated	:	Krishnagiri		
7.	Extent of quarry (in ha.)	:	2.02.5Ha		
8.	Latitude & Longitude of all corners of the quarry site	:	12°21'28.5077"N to 12°21'37.7043"N 78°20'16.2146"E to 78°20'20.0589"E		
9.	Topo Sheet No.	:	57 L/07		
10.	Type of mining	:	Open Cast Mechanized of Mining		
11.	Life of Project	:	20 Years		
	Lease Period	:	20 Years		
	Mining Plan Period	:	5 Years		
12.	Mining Plan Details	:	As per approved scheme of mining plan		
	Geological Resources (RoM) m ³	:	ROM (m ³)	Recovery (m ³)	Reject (m ³)
			7,36,630 m ³	1,84,158 m ³	5,52,472 m ³
	Mineable Resources (RoM) m ³	:	ROM (m ³)	Recovery (m ³)	Reject (m ³)
1,90,790			47,698 m ³	1,43,092	


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			m3		m3
	Annual Peak Production in m3	:	ROM (m ³)	Recovery (m ³)	Reject (m ³)
			5459 m3	1365 m3	4094 m3
	Maximum Depth in meters	:	34m		
13.	Depth of water table	:	59m-64m BGL (59m during Rainy Season & 64m during summer Season)		
14.	Man Power requirement per day:	:	31 Nos		
15.	Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt	:	2.5 KLD 1.5 KLD 0.50 KLD 0.50 KLD		
16.	Power requirement	:	TNEB		
17.	Approved Mining Lease by Industries Dept.	:	G.O.3(D)No.24, Industries (MME.2) Department, dt: 15.02.2016		
18.	Approved Mining Plan by Commissioner, Department of G&M.	:	Rc.No.7960/MM4/2022, date: 03.11.2022		
19.	500m Cluster Letter by Deputy Director, Department of G&M, Krishnagiri District.	:	Rc.No.1031/2020/Mines, Dated: 28.04.2023		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Nils		
21.	Project Cost (excluding EMP cost)	:	Rs.238.39 Lakhs		


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22.	EC Recommendation	1st Five Years as per approved mining plan				
		:	ROM (m ³)	Recovery (m ³) (25%))	Reject (m ³) (75%)	
		:	Max Total RoM in m ³	27225 m ³	6805 m ³	20420 m ³
		:	Annual Max RoM in m ³	5459 m ³	1365 m ³	4094s m ³
		:	Max Depth in mtrs	34 m		
23.	EMP cost (in Rs. Lakh).	:	Capital Cost: Rs.1640750/- Recurring cost: Rs.1185325/-			
24.	CER cost (in Rs. Lakh).	:	Rs. 5 Lakhs			

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 5459 m³ of ROM by restricting the ultimate depth of mining upto 34m BGL** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


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2. The PP shall carry out the required number of plantations as committed in the EMP around the periphery of the lease boundary without deviation before the obtaining the CTO from the TNPCB.
3. For securing the safety of persons employed in the mine, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
4. Since the waterbodies are situated at a distance of 150 m, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within 2 years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
5. The PP shall strictly adhere with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
6. The PP shall ensure that the Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral reject (Granite waste) dumps. The water so collected in such sump should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly de-silted and maintained properly.


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7. 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, Venganur Village before obtaining CTO from TNPCB.

Agenda No: 425 - 03

(File No: 10316/2023)

Proposed Rough stone and Gravel Quarry Project over an Extent of 3.42.7Ha of patta lands in S.F.Nos.455/1 (P), 455/2(P) and 456/1B (P) of Kasthuriengapuram Part -I Village, Tisayanvilai Taluk, Tirunelveli District, Tamil Nadu by Thiru.J.Dinesh Kumar –For Environmental Clearance. (SIA/TN/MIN/439921/2023 Dt. 09.08.2023).

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

The SEAC noted the following:

1. Earlier appl No. SIA/TN/MIN/284059/2022dt: 19.07.2022 was appraised (File No. 9436/2022) vide 366th SEAC meeting held on 30.03.2023. Based on the presentation & documents furnished and the Committee carefully examined the points raised by SEAC and it has been observed that there are a few structures including a windmills and a Poultry farm structure are located at a distance of 100 m and 120m from lease area which attracts the provisions of Rule 36 (1-A) (a) of the Tamil Nadu Minor Mineral Concession Rules, 1959 states
"No lease shall be granted for quarrying stone within 300 meters (three hundred meters) from any inhabited site....."
Therefore SEAC decided not recommended the proposal for grant of Environmental Clearance.
2. Now, The project proponent, Thiru.J.Dinesh Kumar has applied with revised documents like Precise area Communication letter, Modified mining plan etc., for Environmental Clearance for the Rough stone and Gravel Quarry Project over an Extent of 3.42.7Ha of patta lands in S.F.Nos.455/1 (P), 455/2(P) and 456/1B (P) of Kasthuriengapuram Part -I Village, Tisayanvilai Taluk, Tirunelveli District, Tamil Nadu.
3. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.


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4. The precise area communication was issued for the period of 5 years. The approved mining plan is for the period of 1st five years & production should not exceed 515720m³ of Rough Stone & 48024m³ of Gravel. The annual peak production is 106630m³ of Rough Stone (4th Year) & 21672m³ of Gravel (1st Year). The depth of mining is 42m BGL.
5. The PP have informed that the PP had freshly applied with the reduced lease area of extent to facilitate a safe distance of 160 m from the windmill structure through fresh precise area communication and revised Mining Plan duly approved by the competent authority.

Based on the presentation and documents furnished by the project proponent, after long deliberations, the SEAC decided to obtain the following details from the PP.

1. Details regarding the abandoned 'Poultry farm' structure located at 172m from the proposed lease area.

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

Agenda No: 425 – 04.

(File No: 10337/2023)

Existing Grey Granite quarry lease over an extent of 1.00.0 Ha in S.F.No. 1/3B (Part), 2/2, 4/1 and 5/1 of Sivampatti Village, Bargur (formerly Pochampalli) Taluk, Krishnagiri District, Tamil Nadu by Thiru. M.U. Munaff – For Environmental Clearance. (SIA/TN/MIN/440861/2023 Dt. 18/08/2023).

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

The SEAC noted the following:

1. Earlier, The PP has applied for ToR under Violation vide online Proposal No SIA/TN/MIN/27464/2018 dated: 28.06.2017.
2. Quarry Lease Granted vide G.O. (3D) No. 5, Industries (MME2) Department Dated 28.01.2008 for a period of 20 years (05.04.2008 to 04.03.2028).


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3. Now, The project proponent, Thiru. M.U. Munaff has applied for Environmental Clearance for the Existing Grey Granite quarry lease over an extent of 1.00.0Ha in S.F.No.1/3B(Part), 2/2, 4/1 and 5/1 of Sivampatti Village, Bargur (formerly Pochampalli) Taluk, Krishnagiri District, Tamil Nadu.
4. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to defer the appraisal to provide an opportunity to the PP for presenting the status on the application (SIA/TN/MIN/440861/2023 Dt. 18/08/2023) made to obtain the ToR under Violation category which is currently under the examination of SEIAA. On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.

Agenda No: 425 – 05.


(File No: 10344/2023)

Proposed Rough stone & Gravel quarry lease over an extent of 1.61.0Ha in S.F.No: 84/2F, 2G, 2H, 2I in Kallanai Village, Kalligudi Taluk, Madurai District, Tamil Nadu by Thiru.S.Rathinam – For Environmental Clearance. (SIA/TN/MIN/440583/2023, Dt.16/08/2023).

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

The SEAC noted the following:

1. The project proponent, Thiru.S.Rathinam has applied for Environmental Clearance for the Rough stone & Gravel quarry lease over an extent of 1.61.0 Ha in S.F.No: 84/2F, 2G, 2H, 2I in Kallanai Village, Kalligudi Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.


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The project proponent was absent for the meeting. Hence the SEAC decided to defer the subject to a later date directing the project proponent to furnish the reason for not attending the meeting.

Agenda No: 425-06

(File No: 10338/2023)

Proposed Rough Stone Quarry over an extent of 1.93.0 Ha at S.F.Nos. 92/1A, 92/1B2 & 93/3B of Bukkasagaram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.G.Prakash - For Environmental Clearance. (SIA/TN/MIN/431093/2023, Dated: 27.05.2023).

The proposal was placed in the 425th Meeting of SEAC held on 23.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.G.Prakash has applied for Environmental Clearance for the Proposed Rough Stone Quarry over an extent of 1.93.0 Ha at S.F.Nos. 92/1A, 92/1B2 & 93/3B of Bukkasagaram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The project proponent was absent for the meeting. Hence the SEAC decided to defer the subject to a later date directing the project proponent to furnish the reason for not attending the meeting.

Agenda No: 425 - 07

File No: 10039/2023

Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 3.86.0 Ha at SF. No. 1273 of Kunnur Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. S. Deivendran - For Environmental Clearance. (SIA/TN/MIN/428713/2023, Dated: 09.05.2023)

The proposal was placed in the 425th SEAC meeting held on 23.11.2023. The project proponent has given a detailed presentation. The details of the project furnished by


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the proponent are given in the website (parivesh.nic.in). The project proponent gave detailed presentation.

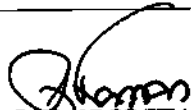
The SEAC noted the following:

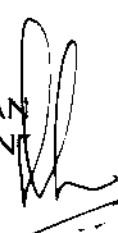
1. The Project Proponent, Thiru. S. Deivendran has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 3.86.0 Ha at SF. No. 1273 of Kunnur Village, Andipatti Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 10 years and the proposed mining plan for Five years & the production should not exceed 4,14,750m³ of Rough Stone & 71,400m³ of Gravel. The Annual peak production 84050m³ of Rough Stone & 52,224m³ of Gravel. The ultimate depth is 30 metres below ground level.
4. Earlier, the proposal was placed in the 277th SEAC meeting held on 26.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the SMTR (Srivilliputhur Megamalai Tiger Reserve) is located within 10 KM from the project site. The ESZ for the Reserve is yet to be notified. The Committee, therefore, decided to **not recommend** the proposal.
5. Subsequently, PPCF vide letter Ref.No. WL5/29838/2022 dated: 28.12.2022 had clarified as below

"... Hence, default 10 Kms of Eco Sensitive Zone Notification for Srivilliputhur Megamalai Tiger Reserve is not applicable and fresh Eco Sensitive Zone notification is also not required, since the above said two sanctuaries Eco Sensitive Zone notification have already been issued by the Government of India."

The proposal is for mining of Rough Stone & Gravel Quarry and the salient features of the proposal are as follows:

File No	10039/2023	Category	B2
	428713/2023		1(a)


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Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. S. Deivendran, S/o.Suppuraj, No 22, Telephone Nagar, Bommaiyagoundanpatti, Theni Taluk & District.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone & Gravel Quarry
3.	S.F Nos. of the quarry site with area break-up	:	1273
4.	Village in which situated	:	Kunnur
5.	Taluk in which situated	:	Andipatti
6.	District in which situated	:	Theni
7.	Extent of quarry (in ha.)	:	3.86.0Ha
8.	Latitude & Longitude of all corners of the quarry site	:	09°57'38.06"N to 09°57'46.15"N 77°31'14.09"E to 77°31'23.00"E
9.	Topo Sheet No.	:	58 - G/09
10.	Type of mining	:	Opencast Semi-Mechanized Mining
11.	Life of Project	:	5 years
	Lease Period	:	10 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone Rough Stone
		:	17,35,200 m ³
		:	Gravel Gravel
	:	1,15,680 m ³	
Minable Resources m ³ (RoM)	:	Rough Stone Rough Stone	


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		5,52,450m ³	
		Gravel	Gravel
		71,400 m ³	
	Annual Peak Production in m ³ :	Rough Stone	Rough Stone
		84,050m ³	
		Gravel	Gravel
		52,224m ³	
	Maximum Depth in meters	: 30m BGL	
13.	Depth of water table	: 56m in rainy season & 59m in summer season	
14.	Man Power requirement per day:	: 24 Nos	
15.	Water requirement: 1. Drinking & utilized water 2. Dust suppression 3. Green belt	: 2.08 KLD 1.08 KLD 0.5 KLD 0.5 KLD	
16.	Power requirement	: TNEB 89,669 Litres of HSD	
17.	Precise area communication approved by the Assistant Director (I/c), Dept of G&M	: Na.Ka.No.809/Kanimam/2021, dated: 28.10.2021	
18.	Mining Plan approved by Assistant Director, Dept of Geology & Mining.	: Rc.No.809/Mines/2020, dated: 30.10.2021	
19.	Department of G&M, Assistant Director, 500m Cluster Letter	: Rc.No.809/Mines/2021, dated: 30.10.2021	
20.	VAO Certificate Regarding Structures within 300m	: Letter Dated: 08.11.2021	

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	Radius				
21.	Project Cost (excluding EMP cost)	:	Rs. 80,44,000		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total RoM in m ³	4,14,750m ³	71,400m ³
		:	Annual Max RoM in m ³	84,050m ³	52,224m ³
:	Max Depth in mtrs	30m BGL			
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 14,13,000 Recurring Cost – Rs. 14,80,320		
24.	CER cost (in Rs. Lakhs).	:	Rs. 5,00,000		

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the **annual peak production capacity** of not exceeding **84,050m³ of Rough stone & 52,224m³ of Gravel** by maintaining the depth of mining up to **30m BGL** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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



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2. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
3. **Since the structures are situated within a radial distance of 500 m**, the PP shall carry out the scientific studies **within a period of six months** from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
4. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) and the Director of Mines Safety, Chennai Region **at the time of lease execution**.
5. For securing the safety of persons employed in the mine, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.


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6. Since the waterbodies are situated nearby, the PP shall **annually** carry out the scientific studies to assess the hydrogeological condition of the quarry for determining the influence of mining operation on the extent of ground water and the impacts on the agricultural activities within 1 km radius from the mine, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Dept of Civil Engg - Environmental Engineering (EE) Group/IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
7. As accepted by the Project Proponent an amount of Rs. 5 Lakhs shall be included in EMP and the same shall be spent for the activities as committed towards Wildlife Protection activities in consultation with DFO, Theni for Srivilliputhur Megamalai Tiger Reserve before obtaining CTO from TNPCB.

Agenda No: 425 - 08

File No: 10053/2023

Proposed Gravel quarry lease area over an extent of Extent 1.94.56 Ha at SF. No. 1515/1C1, 1515/2A, 1515/2B1 & 1515/2C1 of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru. V. Sellapandian - For Environmental Clearance.

(SIA/TN/MIN/428487/2023, Dated: 16.05.2023)

The proposal was placed in the 425th SEAC meeting held on 23.11.2023. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The project proponent gave detailed presentation.

The SEAC noted the following:

1. The Project Proponent, Thiru. V. Sellapandian has applied for Environmental Clearance for the Proposed Gravel quarry lease area over an extent of Extent


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1.94.56 Ha at SF. No. 1515/1C1, 1515/2A, 1515/2B1 & 1515/2C1 of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 3 years and the proposed mining plan for Three years & the production should not exceed 28,380 m³ of Gravel. The Annual peak production 9,460m³ of Gravel. The ultimate depth is 2 metres below ground level.
4. Earlier, the proposal was placed in the 292nd Meeting of SEAC held on 07.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the SMTR (Srivilliputhur Megamalai Tiger Reserve) is located within 10 KM from the project site. The ESZ for the Tiger Reserve is yet to be notified. The Committee, therefore, decided to not recommend the proposal.
5. Subsequently, PPCF vide letter Ref.No. WL5/29838/2022 dated: 28.12.2022 had clarified as below

"... Hence, default 10 Kms of Eco Sensitive Zone Notification for Srivilliputhur Megamalai Tiger Reserve is not applicable and fresh Eco Sensitive Zone notification is also not required, since the above said two sanctuaries Eco Sensitive Zone notification have already been issued by the Government of India."

The proposal is for mining of Gravel Quarry and the salient features of the proposal are as follows:


File No	10053/2023	Category	B2
	428487/2023		1(a)
Sl. No	Salient Features of the Proposal		


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1.	Name of the Owner/Firm	:	Thiru.V.Sellapandian, S/o.Velmayil, No.1-3-85, Koorachavadi Street, Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Gravel Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	1515/1C1, 1515/2A, 1515/2B1 & 1515/2C1	
4.	Village in which situated	:	Kamayagoundanpatti	
5.	Taluk in which situated	:	Uthamapalayam	
6.	District in which situated	:	Theni	
7.	Extent of quarry (in ha.)	:	1.94.56Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	09°43'46.72"N to 09°43'56.01"N 77°19'50.41"E to 77°19'56.18"E	
9.	Topo Sheet No.	:	58 - G/06	
10.	Type of mining	:	Opencast Shallow Mining without drilling & Blasting	
11.	Life of Project	:	3 years	
	Lease Period	:	3 years	
	Mining Plan Period	:	3 years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Gravel 43,800 m ³	Gravel -
	Minable Resources m ³ (RoM)	:	Gravel 28,380 m ³	Gravel -
	Annual Peak Production in m ³	:	Gravel	Gravel
		:		


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			9,460m ³	-
	Maximum Depth in meters	:	2m BGL	-
13	Depth of water table	:	30m bgl	
14	Man Power requirement per day:	:	7 Nos	
15	Water requirement: 4. Drinking & utilized water 5. Dust suppression 6. Green belt	:	1.5 KLD 0.5 KLD 0.5 KLD 0.5 KLD	
16	Power requirement	:	TNEB 4,730 Litres of HSD	
17	Precise area communication approved by the Assistant Director, Dept of G&M	:	Na.Ka.No.331/Kanimam/2019, dated: 22.02.2022	
18	Mining Plan approved by Assistant Director, Dept of Geology & Mining.	:	Roc.No.331/2019 - Mines, dated: 09.03.2022	
19	Department of G&M, Assistant Director, 500m Cluster Letter	:	Roc.No.331/2019 - Mines, dated: 15.03.2022	
20	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 10.03.2022	
21	Project Cost (excluding EMP cost)	:	Rs. 10,72,120	
22	EC Recommendation	:	Validity	30 years subject to the following upper limits.


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			Gravel
		: Max Total RoM in m ³	28,380 m ³
		: Annual Max RoM in m ³	9,460m ³
		: Max Depth in mtrs	2m BGL
23	EMP cost (in Rs. Lakhs).	: Capital Cost – Rs. 8.22 Lakhs : Recurring Cost – Rs. 3.04 Lakhs	
24	CER cost (in Rs. Lakhs).	: Rs. 2,00,000	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the **annual peak production capacity of not exceeding 9,460m³ of Gravel by maintaining the ultimate depth of mining up to 2m BGL** for a period of not exceeding 2 years from the date of lease execution and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the quarrying operation taking adequate mitigating measures to control the air, water and noise pollutions.
2. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the eco-friendly quarrying operations in securing the safety of the persons living within a radial distance of 500 m to the concerned AD (Mines) at the time of lease execution.
3. The PP shall install 'Bio-toilet' & Rest shelter facility for the convenience of the persons employed in the mine before obtaining the CTO from the TNPCB.
4. The PP shall plant not less than 1750 tree saplings around the proposed quarry site and along the transportation routes before obtaining the CTO from the TNPCB.


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5. As accepted by the Project Proponent the CER cost of Rs. 1 Lakhs and the amount shall be spent for the activities as committed towards Government High School, Kamayankowndanpatti Village before obtaining CTO from TNPCB.
6. In addition to that, PP shall remit an amount of Rs 1 Lakhs towards the conservation measure for Srivilliputhur Megamalai Tiger Reserve in consultation with DFO, Theni and the same shall be included in the EMP.

Agenda No: 425 - 09

File No: 10340/2023

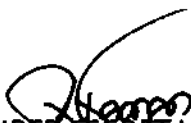
Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 1.60.5 Ha at SF. No. 633/4 & 634/5 of Kasthambadi Village, Polur Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. K. Rajendiran - For Environmental Clearance. (SIA/TN/MIN/439195/2023, Dated: 09.08.2023)

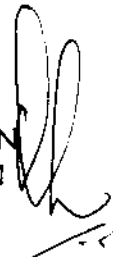
The proposal was placed in the 425th SEAC meeting held on 23.11.2023. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The project proponent gave detailed presentation.

The SEAC noted the following:

1. The Project Proponent, Thiru. K. Rajendiran has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 1.60.5 Ha at SF. No. 633/4 & 634/5 of Kasthambadi Village, Polur Taluk, Tiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years and the proposed mining plan for Five years & the production should not exceed 1,42,160m³ of Rough Stone& 23,872m³ of Gravel. The Annual peak production 28,690m³of Rough Stone& 12,994m³ of Gravel. The ultimate depth is 27 metres below ground level.

The proposal is for mining of Gravel Quarry and the salient features of the proposal are as follows:


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File No	10340/2023	Category	B2
	439195/2023		1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. K. Rajendiran, S/o.Karthikeyan, No.2/296C, Dhanalakshmi Nagar, V.C.Mottur, Vannivedu, Walajah Taluk, Ranipet District.
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone & Gravel Quarry
3.	S.F Nos. of the quarry site with area break-up	:	633/4 & 634/5
4.	Village in which situated	:	Kasthambadi
5.	Taluk in which situated	:	Polur
6.	District in which situated	:	Tiruvannamalai
7.	Extent of quarry (in ha.)	:	1.60.5 Ha
8.	Latitude & Longitude of all corners of the quarry site	:	12°35'51.49"N to 12°35'55.72"N 79°11'53.18"E to 79°12'00.18"E
9.	Topo Sheet No.	:	57 - P/02
10.	Type of mining	:	Opencast Semi-Mechanized Mining
11.	Life of Project	:	5 years
	Lease Period	:	5 years
	Mining Plan Period	:	5 years
12.	Mining Plan Details	:	As per approved Mining Plan As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone Rough Stone
		:	4,00,250 m ³ -
		:	Gravel Gravel


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		32,020 m ³	-
	Minable Resources m ³ (RoM) :	Rough Stone	Rough Stone
		1,42,160m ³	-
		Gravel	Gravel
		23,872m ³	-
	Annual Peak Production in m ³ :	Rough Stone	Rough Stone
		28,690 m ³	-
		Gravel	Gravel
		12,994m ³	-
	Maximum Depth in meters :	27m BGL	-
13.	Depth of water table :	53m in rainy season & 56m in summer season	
14.	Man Power requirement per day:	23 Nos	
15.	Water requirement: 7. Drinking & utilized water 8. Dust suppression 9. Green belt	5.0 KLD 2.0 KLD 1.5 KLD 1.5 KLD	
16.	Power requirement :	TNEB 1,17,708 Litres of HSD	
17.	Precise area communication approved by the Assistant Director, Dept of G&M :	Na.Ka.No.144/Kanimam/2023, dated: 28.06.2023	
18.	Mining Plan approved by Deputy Director, Dept of Geology & Mining. :	Rc.No.144/Kanimam/2023, dated: 13.07.2023	
19.	Department of G&M, Deputy Director, 500m Cluster Letter :	Rc.No.144/Kanimam/2023, dated: 13.07.2023	


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20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 14.07.2023		
21.	Project Cost (excluding EMP cost)	:	Rs. 64,13,000		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Grave I
			Max Total RoM in m ³	1,42,160m ³	23,872m ³
			Annual Max RoM in m ³	28,690m ³	12,994m ³
		:	Max Depth in mtrs	27m BGL	
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 25.20 Lakhs Recurring Cost – Rs. 24.63 Lakhs		
24.	CER cost (in Rs. Lakhs).	:	Rs. 8,00,000		

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the **annual peak production capacity** of not exceeding **28,690m³ of Rough Stone & 12,994m³ of Gravel** by maintaining the ultimate depth of mining up to 27m BGL and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


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2. The PP shall complete the installation of garland drainage system around the periphery of the mine lease along with settlement tank at the appropriate place before obtaining the CTO from the TNPCB.
3. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
4. **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 a prior permission from the Director of Mines Safety/Chennai Region, to design the controlled blast parameters for reducing the cumulative blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry and adjacent operating other quarries, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
5. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living including the village roads exists within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
6. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry walls for evaluating the possibility of amalgamation with the adjacent operating quarry and other protective measures to be undertaken including common barrier within a period one year from the date of lease execution


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after obtaining a prior permission from the Director of Mines Safety/Chennai Region, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

7. Since the waterbodies/tanks are situated nearby, the PP shall **annually** carry out the scientific studies to assess the hydrogeological condition of the quarry for determining the influence of mining operation on the extent of ground water and the impacts on the agricultural activities within 1 km radius from the mine, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Dept of Civil Engg - Environmental Engineering (EE) Group/IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation
8. As accepted by the Project Proponent the CER cost of Rs. 8 Lakhs and the amount shall be spent for the activities as committed towards Government High School, Kasthambadi Village. before obtaining CTO from TNPCB.

Agenda No: 425 - 10

(File No.10040/2023)

Proposed Quartz and Feldspar Quarry lease area over an extent of 2.07.5Ha at S.F No.326/1 of Vaigundam Village, Sankari Taluk, Salem District, Tamil Nadu by M/s. Vels Minerals LLP - For Environmental Clearance.

(SIA/TN/MIN/427807/2023, dated: 03.05.2023).

The proposal was placed for appraisal in the 425th Meeting of SEAC held on


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23.11.2023. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **M/s. Vels Minerals LLP** has applied for Environmental Clearance for the Proposed Quartz and Feldspar Quarry lease area over an extent of 2.07.5Ha at S.F No.326/1 of Vaigundam Village, Sankari Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proponent, **M/s. Vels Minerals LLP** applied for Environmental Clearance for quarrying Quartz & Feldspar over an extent of 2.07.5Ha at S.F No.326/1 of Vaigundam Village, Sankari Taluk, Salem District (same area) vide the following proposal no.


Offline Proposal No.	Online Proposal No.
File No.9335/2022	SIA/TN/MIN/278290/2022 dated.16.06.2022.

The proposal was placed in the 327th SEAC meeting held on 10.11.2022. During deliberations, the Committee noted that the following were situated near the project site:

1. One village temple within 50m radius.
2. In 50 – 100m radius – 16 Houses and 1 Farm House.
3. In 100 – 200m Radius – 28 Houses, 9 Farm Houses and 1 Temple.
4. In 200 – 300m Radius – 5 Houses and 3 Farm Houses.
5. The Mettukkadu hamlet is a part of Vaigundham village. It is located at a distance of 57m from the mine lease area. Further, there are 49 Household and 139 people are living in this village. Among 139 people 78 are male and 61 are female.

Further, SEAC observed the following legal provisions:

1. The Rule 36 (1-A) of Tamil Nadu Minor Mineral Concession Rules, 1959 as amended appropriately later states:


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(a) "No lease shall be granted for quarrying stone within 300m from any inhabited site"

(iii) "Inhabited site means a village site or town site or house site or layout approved by a local body or town or country or metropolitan planning authority where the said Body or Authority is located under a state and empowered to approve such an area as a house site or layout area....."

2. Further, the Reg. 109 of Metalliferous Mines Regulations 1961 (MMR 1961) states that

"..... Workings under railways and roads, etc. – (1) **No workings shall be made and no work of extraction or reduction of pillars shall be conducted at, or extended to, any point within 45 metres of any railway, or of any public works in respect of which this regulation is applicable by reason of any general or special order of the Central Government, or of any public road or building, or of other permanent structure not belonging to the owner of the mine, without the prior permission in writing of the Chief Inspector and subject to such conditions as he may specify therein.....**"

From the presentation made and documents submitted by the PP, it has been observed that there are 49 dwellings, 13 farm houses and 2 temples situated within 300 meters from the boundary of the proposed quarry lease hold area violating the provisions of the Tamil Nadu Minor Mineral Concession Rules, 1959. Hence the SEAC after having the detailed discussions decided **not to recommend** the proposal for Environmental Clearance.

4. Subsequently, the proponent re-applied for Environmental Clearance in the same area by modifying mining plan with a safety distance of 100m from the Temple with manual method of Mining vide Proposal No. mentioned below:

Offline Proposal No.	Online Proposal No.
File No.10040/2022	SIA/TN/MIN/427807/2023 dated.03.05.2023.


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5. Further, the proponent filed a Writ Petition before the Hon'ble Madras High Court in W.P.No.22959 of 2023 on 28.07.2023, to consider the proposal and grant Clearance within stipulated period.
6. The proponent, was informed by this office vide Lr.No.SEIAA-TN/F.No.10040/2023 dated.01.08.2023 that the rejected proposal will not be re-considered at SEIAA-TN.
7. Considering the letter from SEIAA dated.01.08.2023, the Hon'ble Madras High Court closed the above Writ Petition.
8. Subsequently, the proponent approached the Hon'ble NGT and the Hon'ble NGT(SZ) in Appeal No.17 of 2023 (SZ) set aside the SEIAA letter dated.01.08.2023 and directed as follows vide its order dated.29.08.2023: *"...We direct the SEIAA-Tamil Nadu to reconsider the appellant's application fresh without being influenced by any of the comments made in this order, within the statutory time prescribed..."*
9. In response to the Hon'ble NGT (SZ) order dated.29.08.2023, the proposal is placed for appraisal in this 425th SEAC meeting.
10. The Committee during detailed deliberations, noted the following points:
 - i) The proponent has made only minor changes in the Mining Plan by leaving a safety distance of 100m from the temple and proposing manual mining method for a depth of 24 m in the medium hard formation for a small area of extent.
 - ii) The village is situated very near to the project site and there were around 49 households with a population of 139 Nos.
 - iii) The submitted proposal is devoid of :- (1) sustainable mining practices & plan, and (2) assessment of mining operations vis-à-vis environmental impacts for the village located nearby.
 - iv) Silicosis is a notified disease under Mines Act 1952 and the Factories Act 1948, commonly occurs from the mining operations of quartz and feldspar.
 - v) Dust pollution and subsequently adverse impact on health of

workers and nearby population (habitations & dwellings) were not very far from the proposed mining area.

- vi) Due to considerable number of transport vehicles, the roads situated in and around the village gets chocked, traffic jams occurs i.e. roads are not wide in the existing village road for such high traffic load vehicular emissions also add to air pollution.
- vii) The dumps of the huge quarry (quartz) fines/fine chips may propagate the airborne silica particulates which pose dangerous health situation for the nearby population such as irreversible nature of diseases like silicosis.
- viii) In the Modified Mining Plan, it is observed that drilling, breaking, haulage, crusher house which are considered to be the main high risk zones of silicosis, are planned for the proposed quarry.

Further, the SEAC observes the significant extracts of Special Report dated 23-08-2011 furnished to the Parliament through the Col by the National Human Rights Commission (NHRC), which has been working on the problem of silicosis for quite some time:

"....2.4 "The silica particles inhaled are so small that they can only be seen with a microscope. At the same time, they are so light that they can remain airborne for a long time. As a result, silica can travel long distances in the air and affect populations not otherwise considered to be at risk. Research studies conducted by the World Health Organization, India Council of Medical Research and the National Institute of Occupational Health have time and again brought forth the fact that silicosis is not only a serious threat to the health of those who are engaged in occupations that are potentially exposed to crystalline silica dust but is a constant health hazard for people living in the vicinity where these occupations are carried out....."

"....2.6 "Silicosis is both a health issue and a human rights issue. It has an impact not only on the right to life but also on the right to live with


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*dignity of all those affected and their families. The Government agencies and employers under whose jurisdiction any such occupation is carried out in the absence of preventive measures and which causes **silicosis**, are responsible for serious violation of human rights of the affected workers and their families. Furthermore, there is an important issue of social security in terms of taking care of not only the medical expenses but also the basic day-to-day needs for survival of these workers and their immediate family members...*"

Considering the health conditions of large population existing at a distance of just 100 m away from the mine lease boundary, the Committee noted that the elimination of blasting activity alone by the proponent as indicated in the modified mining plan will not nullify the impact of quartz & feldspar quarrying operation for a depth of 24 m, and even the manual mining operation induces propagation of airborne silica to the surrounding environmental settings includes a larger habitation located nearby leads to a disastrous impact on their health.

Hence, considering the health of the people residing in the village and the environmental degradation in a fresh & virgin land, the Committee after detailed deliberations decided **not to recommend the proposal** for grant of Environmental Clearance.

Agenda No: 425 - 11

(File No.10341/2023)

Proposed Rough Stone and Gravel Quarry lease area over an extent of 2.83.70 Ha at S.F Nos.365/1A and 365/1B1 of Kuchanur Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru. S. Sivakumar - For Environmental Clearance. (SIA/TN/MIN/438908/2023 dated: 10.08.2023).


The proposal was placed for appraisal in the 425th Meeting of SEAC held on 23.11.2023. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **Thiru. S. Sivakumar** has applied for Environmental


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Clearance for the Proposed Rough Stone and Gravel Quarry lease area over an extent of 2.83.70 Ha at S.F Nos.365/1A and 365/1B1 of Kuchanur Village, Uthamapalayam Taluk, Theni 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.

Based on the presentation made and documents submitted and from the KML file uploaded in the PARIVESH Portal, SEAC noted the following.

- i) The applied site is a fresh & virgin area, hitherto unmined.
- ii) The soil of the proposed area appears to be rich in organic content.
- iii) Coconut farms planted in an area of possessing more than 100 Ha is situated adjacent to the project site.
- iv) No other quarries are situated within 500m radius from the proposed area.

Hence the Committee observed that opening of this land, will lead to extensive environmental degradation, will lead to loss of rich top soil and will affect the coconut farms surrounding the proposed site. Considering these reasons, the SEAC after detailed deliberations, **decided not to recommend the proposal for grant of Environmental Clearance.**

Agenda No: 425- 12

(File No: 10370/2023)

Proposed Expansion of Steel Melting Shop & Steel Rolling Mill in the existing unit at S.F.No. 15/1A, 15/3A, 15/2, 1 5/4, 15/6, 15/7, 15/9, 15/8, 15/5, 15/1B, 15/3B, 14/4, 14/3, 14/2, 14/1A, 12/2 of Periyapuliyur Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by M/s. Pashupati Metallics - For Terms of Reference.

(SIA/TN/IND1/437200/2023, Dated: 19.07.2023)

Earlier the proposal was placed in the 418th SEAC Meeting held on 19.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Pashupati Metallics has applied for Terms of Reference for the Proposed Expansion of Steel Melting Shop & Steel Rolling


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Mill in the existing unit at S.F.No. 15/1A, 15/3A, 15/2, 15/4, 15/6, 15/7, 15/9, 15/8, 15/5, 15/1B, 15/3B, 14/4, 14/3, 14/2, 14/1A, 12/2 of Periyapuliur Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.

2. The project activity is covered under Category "B1" of Item 3(a) "Metallurgical Industries (Ferrous & Non-Ferrous)" of the Schedule to the EIA Notification, 2006.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Now the proposal was placed in the 425th SEAC Meeting held on 23.11.2023. The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Agenda No: 425 - 13

(File No: 10377/2023)

The Existing Hospital Building with Doctor's Quarters & Medical Store with a Built-up Area of 33560.86 sq.m (Under Violation) at S.F.No. 3/6(P), 3/7(P), 3/8, 3/9, 3/11, 6/1, 6/7A and 6/7B Ward No:K (11) Block No:1 Mettupalayam Road, Sangnanur Village, Coimbatore Corporation, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Ganga Medical Centre and Hospital Private Limited - For Terms of Reference Under Violation.

(SIA/TN/INFRA2/441986/2023, Dated: 28.08.2023)

Earlier the proposal was placed in the 418th SEAC Meeting held on 19.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Ganga Medical Centre and Hospital Private Limited has applied for Terms of Reference Under Violation for the Existing Hospital Building with Doctor's Quarters & Medical Store with a Built-up Area of 33560.86 sq. m at S.F.No. 3/6(P), 3/7(P), 3/8, 3/9, 3/11, 6/1, 6/7A and 6/7B


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Ward No:K (11) Block No:1 Mettupalayam Road, Sanganur Village, Coimbatore Corporation, Coimbatore North Taluk, Coimbatore District, Tamil Nadu.

2. The project activity is covered under Category "B1" of Item 8(a) "Building and Construction projects" of the Schedule to the EIA Notification, 2006.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

The PP states that due to un-avoidable circumstances, the PP was unable to attend 418th SEAC Meeting.

Now the proposal was placed in the 425th SEAC Meeting held on 23.11.2023. The committee noted that the PP has already filed an application (file.No.6555) for which obtaining EC is in under process. Now the PP filed another application for other location nearby. The Committee when viewing kml file noted that both the boundaries are overlapping. The EIA coordinator stated that he is unaware of the earlier proposal and therefore unable to offer any explanation. Hence SEAC decided that both the EIA coordinators shall attend the meeting and explain the facts along with the PP. Hence the committee decided to defer the proposal.

Agenda No: 425-14

(File No: 10055/2023)

Proposed Earth quarry lease over an extent of 1.19.0 Ha at S.F.No. 1352 of Mottanuthu Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. R.Murugan- For Environmental Clearance. (SIA/TN/MIN/429999/2023, dated 24.05.2023)

The proposal was placed in the 425th SEAC Meeting held on 23.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.R.Murugan has applied for Environmental Clearance for the proposed Earthquarry lease over an extent of 1.19.0 Ha at S.F.No. 1352 of Mottanuthu Village, Andipatti Taluk, Theni District, Tamil Nadu.


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

File No	10055/2023	Category	B2
	SIA/TN/MIN/429999/2023, dated 24.05.2023		
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru.R.Murugan, S/o.Ramaiah, Ward-27, Othaveedu, Patharakalipuram, Chinnamanur Town, Uthamapalayam Taluk, Theni District
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Earth quarry
3.	S.F Nos. of the quarry site with area break-up	:	1352
4.	Village in which situated	:	Mottanuthu
5.	Taluk in which situated	:	Andipatti
6.	District in which situated	:	Theni
7.	Extent of quarry (in ha.)	:	1.19.0Ha
8.	Latitude & Longitude of all corners of the quarry site	:	09°54'52.87"N to 09°54'56.62"N 77°32'57.20"E to 77°33'01.99"E
9.	Topo Sheet No.	:	58 G/09
10.	Type of mining	:	Opencast Shallow Mining
11.	Life of Project	:	2 Years
	Lease Period	:	2 Years
	Mining Plan Period	:	2 Years
12.	Mining Plan Details	:	As per approved Mining Plan

		Earth	
	Geological Resources m ³	: 23,800m ³	
	Minable Resources m ³	: 17,700m ³	
	Annual Peak Production in m ³	: 8,850m ³	
	Maximum Depth in meters	: 2m BGL	
13.	Depth of water table	: 35m BGL	
14.	Man Power requirement per day:	: 7 Employees	
15.	Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt	: 1.5 KLD 0.5 KLD 0.5 KLD 0.5 KLD	
16.	Power requirement	: TNEB -	
17.	Precise area communication approved by the Assistant Director, Department of G&M.	: Na.Ka.No.306/Kanimam/2020,Dated : ----.01.2022.	
18.	Mining Plan approved by Assistant Director, Department of G&M.	: Roc. No.306/2020- Mines,Dated:25.02.2022	
19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	: Roc. No.306/Mines/2020, Dated:10.03.2022	
20.	VAO Certificate Regarding Structures within 300m Radius	: Letter Dated:16.02.2022	
21.	Project Cost (excluding EMP cost)	: Rs.6.93.000/-	
22.	EC Recommendation	: Validity	30 years subject to the following upper limits. Rough stone


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		: Max Total in m ³	17,700m ³
		: Annual Max in m ³	8,850m ³
		: Max Depth in mtrs	2m BGL
23.	EMP cost (in Rs. Lakh).	: Rs.5.48 Lakhs	
24.	CER cost (in Rs. Lakh).	: Rs.1.5 lakhs	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for Annual Peak excavation quantity of not exceeding 8,850m³ of Earth with maintaining an ultimate pit depth of 2m BGL subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


1. The PP shall complete the quarrying operations within a period of 2 years from the date of issue of EC.
2. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
3. The PP shall carry out the required number of plantations as committed in the EMP without deviation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. 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.
6. As accepted by the Project proponent the CER cost is Rs. 0.5 Lakhs and the same shall be spent for the Panchayat Union Primary School, Kandamanur Village and in addition to that an amount Rs.1 Lakh shall be spent towards SMTRs as a conservation measure as committed and the same shall be included in EMP, before obtaining CTO from TNPCB.

Agenda No: 425- 15

(File No: 10335/2023)


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Proposed Rough Stone quarry lease over an extent of 4.90.0Ha at SF.No. 1/7 (PART-9) of Panamarathupatty Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. K.Arjunan - For Environmental Clearance. (SIA/TN/MIN/431262/2023, Dated: 28.05.2023)

The proposal was placed in the 425th meeting of SEAC held on 23.11.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. K.Arjunan has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 4.90.0Ha at SF.No. 1/7 (PART-9) of Panamarathupatty Village, Salem 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. The PP obtained EC from DEIAA vide Lr.No.DEIAA-DIA/TN/MIN/15255/2018-SLM-EC.No.26/2018 dated 10.06.2018.

Based on the presentation and details furnished by the project proponent, **SEAC decided to defer and call for additional particulars as follows,**

1. The PP shall submit Certified Compliance Report obtained from the office of the IRO, MoEF& CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any.

Hence, the proponent is advised to submit the additional documents/ information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.

Agenda No: 425- 16

(File No: 10342/2023)

Proposed Rough Stone quarry lease over an extent of 2.69.8Ha at SF.No. 680/3(P) and 680/5 of Poolancheri Village, Musiri Taluk, Tiruchirappalli District, Tamil Nadu by Thiru.P.Albert - For Environmental Clearance. (SIA/TN/MIN/439390/2023, Dated: 12.08.2023)

The proposal was placed in the 425th meeting of SEAC held on 23.11.2023. The details


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

The SEAC noted the following:

1. The Project Proponent, Thiru.P.Albert has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 2.69.8Ha at S.F.No. 680/3(P) and 680/5 of Poolancheri Village, Musiri Taluk, Tiruchirappalli 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 details furnished by the project proponent, **SEAC decided to defer and call for additional particulars as follows,**

1. The PP shall furnish the details of agricultural activities undertaken around 1km from the project site.
2. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.

Hence, the proponent is advised to submit the additional documents/ information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.

Agenda No: 425-17

(File No: 10056/2023)


Proposed Gravel quarry lease over an extent of 2.64.5 Ha at S.F.Nos. 1357/2 and 1357/1A1 of Mottanuthu Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. A. Anthonidass– For Environmental Clearance.

(SIA/TN/MIN/428830/2023, Dated: 24.05.2023)

The proposal was placed for appraisal in this 425th meeting of SEAC held on 23.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The project proponent, Thiru. A. Anthonidass has applied for Environmental Clearance for the Proposed Gravel quarry lease over an extent of 2.64.5 Ha at


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S.F.Nos. 1357/2 and 1357/1A1 of Mottanuthu Village, Andipatti Taluk, Theni 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 3 years. The approved mining plan is for 3 Years. The annual peak production shall not exceed 12.162 m³ of Gravel for an ultimate depth of 2m below ground level.
4. Thiru. A. Anthonidass earlier applied seeking Environment Clearance (File No. 9071 and Online Proposal No. SIA/TN/MIN/260644/2022 dated: 09.03.2022) for the Proposed Gravel quarry lease over an extent of 2.64.5 Ha at S.F.Nos. 1357/2 and 1357/1A1 of Mottanuthu Village, Andipatti Taluk, Theni District, Tamil Nadu. The proposal was placed in the 282nd Meeting of SEAC held on 04.06.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that the SMTR (Srivilliputhur Megamalai Tiger Reserve) is located within 10 KM from the project site. The ESZ for the Reserve is yet to be notified. The Committee, therefore, decided to **not recommend** the proposal. Subsequently, the proposal was placed in the 527th Meeting of SEIAA held on 01.07.2022. The authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 04.06.2022.
5. The salient features of the proposal are as follows:

File No	10056 / 2023	Category	B2 / 1(a)
Sl. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	:	Thiru. A. Anthonidass, S/o. Arockiyasamy, No.3/217, Sekkarapatti, Kattuvalavu, Mattukaranur, Salem District - 636 011.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Gravel


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3	S.F Nos. of the quarry site with area break-up	:	1357/2 and 1357/1A1	
4	Village in which situated	:	Mottanuthu	
5	Taluk in which situated	:	Andipatti	
6	District in which situated	:	Theni	
7	Extent of quarry (in ha.)	:	2.64.5 Ha	
8	Latitude & Longitude of all corners of the quarry site	:	09°55'17.78"N to 09°55'24.26"N 77°32'44.73"E to 77°32'53.50"E	
9	Topo Sheet No.	:	58 – G/09	
10	Type of mining	:	Opencast Semi Mechanized Mining	
11	Life of Project	:	3 years	
	Lease Period	:	3 years	
	Mining Plan Period	:	3 years	
12	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Gravel	Gravel
		:	52,900 m ³	-
	Mina ble Resources m ³ (RoM)	:	Gravel	Gravel
		:	36,486 m ³	-
	Annual Peak Production in m ³	:	Gravel	Gravel
:		12,162 m ³	-	
Ultimate Depth in meters	:	2m below ground level	-	
13	Depth of water table	:	35m below ground level	
14	Man Power requirement per day:	:	7 Nos.	
15	Water requirement:	:	1.5 KLD	
	1. Drinking water	:	0.5 KLD	
	2. Utilized water	:	-	


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	3. Dust suppression 4. Green belt	0.5 KLD 0.5 KLD	
16	Power requirement	: 6080 Liters of HSD	
17	Precise area communication approved by Assistant Director, Department of G&M	: Na.Ka.No.882/Kanimam/2021, Dated:11.02.2022	
18	Mining Plan approved by Assistant Director, Department of G&M	: Roc. No. 882/2021 - Mines, dated:18.02.2022	
19	Department of G&M, Assistant Director 500m Cluster Letter	: Roc. No. 882/2021 - Mines, dated:21.02.2022	
20	VAO Certificate Regarding Structures within 300m Radius	: Letter dated 18.02.2022	
21	Project Cost (excluding EMP cost)	: Rs. 13,47,000/-	
22	EC Recommendation	: Validity	2 years subject to the following upper limits.
			Gravel
		: Max Total RoM in m ³	36,486 m ³
		: Annual Max RoM in m ³	12,162 m ³
		: Max Depth in mtrs	2m below ground level
23	EMP cost (in Rs. Lakh).	: Capital Cost – Rs. 9.35 lakhs Recurring Cost – Rs. 3.31 lakhs	
24	CER cost (in Rs. Lakh).	: Rs. 2,00,000/-	


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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 12,162 m³ of Gravel by maintaining the ultimate depth of mining upto 2m below ground level for a period of not exceeding 2 years from the date of issue of EC and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The PP shall complete the quarrying operations within a period of 2 years from the date of issue of EC.
2. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
3. The PP shall carry out the required number of plantations as committed in the EMP without deviation.
4. The PP shall not carry out drilling & blasting operations in the proposed quarry.
5. 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.
6. As accepted by the Project Proponent the CER cost of Rs. 2 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, S.Kathirnarasingapuram Village, Andipatti Taluk, Theni District, before obtaining CTO from TNPCB.

Agenda No: 425-18

(File No: 10336/2023)

Proposed Multi-Coloured Granite quarry over an extent of 1.78.0 Ha at S.F.Nos. 44/2B, 44/2C, 44/2D and 44/2E of Veeriyampalayam Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by Thiru. M. Gandhi – For Environmental Clearance. (SIA/TN/MIN/430946/2023, Dated: 26.05.2023)

The proposal was placed for appraisal in this 425th meeting of SEAC held on 23.11.2023. 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. The project proponent, Thiru. M. Gandhihas applied for Environmental Clearance for the Proposed Multi-Coloured Granite quarry over an extent of 1.78.0 Ha at S.F.Nos. 44/2B, 44/2C, 44/2D and 44/2E of Veeriyampalayam Village, Krishnarayapuram Taluk, Karur 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.

During the meeting, the Committee noted that the project proponent was absent for the meeting. Hence the subject was not taken up for discussion. Further, SEAC decided that the proponent shall furnish the reason for absence.

Agenda No: 425-19

(File No: 10343/2023)

Proposed Rough Stone and Gravel quarry over an extent of 3.91.5 Ha at S.F.Nos. 66/3, 73/1, 73/2, 74/2 and 76 of Kulasekarapatti Village, Tenkasi Taluk, Tenkasi District, Tamil Nadu by Thiru. P. Kovilpichai– For Environmental Clearance.

(SIA/TN/MIN/440503/2023, Dated: 16.08.2023)

The proposal was placed for appraisal in this 425th meeting of SEAC held on 23.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The project proponent, Thiru. P. Kovilpichai has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry over an extent of 3.91.5 Ha at S.F.Nos. 66/3, 73/1, 73/2, 74/2 and 76 of Kulasekarapatti Village, Tenkasi Taluk, Tenkasi 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 5 years. The approved mining plan is for 5 Years. The annual peak production shall not exceed 44,180 m³ of Rough Stone for an ultimate depth of 27m below ground level.
4. Earlier, EC was accorded to the proponent vide Lr. No.SEIAA-TN/F.No.4466/EC/1(a)/2582/2015 dated: 21.12.2015 for the quantity of 28372 cu.m of Earth upto


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a depth of 2m.

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:

- i) The PP shall obtain Certified Compliance Report (CCR) from Integrated Regional Office, MoEF&CC, Chennai for the earlier Environmental Clearance obtained from SEIAA-TN.
- ii) As the Nellai Wildlife Sanctuary is located within 10 km of the proposed site, PP shall obtain letter from DFO for mitigation measures.

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: 425-20

(File No: 7385/2020)

Proposed Multicoloured Granite quarry lease area over an extent of 2.00.0 Ha at S.F.No. 23(P) of Pattanam Village, Rasipuram Taluk, Namakkal District, Tamil Nadu by M/s. The Joint Commissioner / Executive Officer, Arulmighu Meenakshi Sundareswarar Temple, Madurai - For extension of validity of Environmental Clearance. (SIA/TN/MIN/305405/2023, dated: 06.10.2023)

The proposal was placed in this 425th meeting of SEAC held on 23.11.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The proponent M/s. The Joint Commissioner / Executive Officer, Arulmighu Meenakshi Sundareswarar Temple, Madurai has obtained Environmental Clearance vide Lr. No.SEIAA-TN/F.No.7385/1(a)/EC.No:4189/2020 dated: 18.05.2020 for the Proposed Multicoloured Granite quarry lease area over an extent of 2.00.0 Ha at S.F.No. 23(P) of Pattanam Village, Rasipuram Taluk, Namakkal District, Tamil Nadu, for the period of 1 year.



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2. Subsequently, Extension of validity of EC was issued vide Lr. No.SEIAA-TN/ F.No.7385/1(a)/EC.No: 4189/2020/A/ dated: 30.10.2021 with validity upto 17.05.2022.
3. Further, Extension of validity of EC was issued vide Lr. No.SEIAA-TN/ F.No.7385/1(a)/EC.No: 4189/2020/A/ dated:18.08.2022 with validity upto 05.05.2023.
4. Now, the proponent has applied for extension of validity of earlier issued EC in Form-6 vide SIA/TN/MIN/305405/2023, dated: 06.10.2023. The PP has furnished the copy of G.O. (3D) No.10 Dated: 20.09.2023 issued by the Additional Chief Secretary to Government (FAC), Natural Resources (MMB.2) Department stated as follows

“Government hereby grant extension permission to the Joint Commissioner / Executive Officer, Arulmighu Meenakshi Sundareswarar Temple, Madurai for the balance quantity of 2492.643 cbm in the permitted area in S.F.No.23 (Part), over an extent of 2.00.0 hectares of Government poramboke lands in Pattanam village, Rasipuram taluk, Namakkal district for a period of one year as a special case from the date of issue of order or till the required quantity is mined, whichever is earlier subject to the conditions detailed at para 2 above along with the condition that Environmental Clearance should be obtained before commencing the mining operation”.

5. The PP has obtained EC for the production quantity of 2778 cu.m of Multicoloured Granite. The PP has stated that only 285.357 cu.m was quarried. So, the PP has once again requested for another extension of validity of EC for quarrying the remaining quantity of 2492.643 cu.m.
6. Earlier, the proposal for extension of validity of earlier issued EC was placed in the 668th Authority meeting held on 01.11.2023. After detailed discussion, the authority has decided to forward the proposal to SEAC for remarks and recommendations.


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The SEAC noted that as per O.M. 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 decided to confirm that the PP is eligible to get the benefit of 'automatically extension to the respective increased validity' as per the afore mentioned OM issued by the MoEF& CC.


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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.

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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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'


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incorporating the benches & accessible haul road approved by the concerned AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.

- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
- 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


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noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.

- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species with dense/moderate canopy of native origin should be chosen. Species of 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


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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.

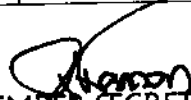

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SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS

Sl. No	Existing (or) Virgin Quarry	
	Wind Mills located at a distance of 150 m to 300 m	Wind Mills located beyond 300 m Upto 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.
7.	Submission of monthly report on	Submission of monthly report on blast


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	blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB.	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.

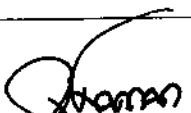

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TERMS OF REFERENCE (ToR) FOR GRANITE / ROUGH STONE QUARRY

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


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the proposed site.

7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
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,


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13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
14. Quantity of minerals mined out.
- Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment, and the remedial measures for the same.
19. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of the Mines Act'1952 and the MMR, 1961 for

carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.


20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to 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,


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- its land use, R&R issues, if any, should be provided.
26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
 27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
 28. Impact on local transport infrastructure due to the Project should be indicated.
 29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
 30. A detailed mine closure plan for the proposed project shall be included in EIA/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


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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


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for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

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

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


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Annexure II

Standard Environmental Clearance Conditions prescribed by MoEF&CC for Construction Projects.

1. Statutory Compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawing of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department shall be obtained, as applicable, by project proponents from


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the respective competent authorities.

9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

2. Air quality monitoring and preservation:

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3. The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.
4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
5. Sand, murrum, loose soil, cement, stored on site should be covered adequately so as to prevent dust pollution.
6. Wet jet shall be provided for grinding and stone cutting.
7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.


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8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring and Preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the


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quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water

- shall not be withdrawn without approval from the Competent Authority.
13. All recharges should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.
 15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
 17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
 18. No sewage or untreated effluent water would be discharged through storm water drains.
 19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.
 21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban


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Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. The proponent shall provide solar panels covering a minimum of 50% of terrace area as committed.
4. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.


5. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
6. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.
7. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase shall be


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disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained.

Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
5. A wide range of indigenous plant species should be planted as given in the Appendix-I, in consultation with the Government Forest/Horticulture Departments and State Agriculture University.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
2. Vehicles hired to bring construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or


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proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues:

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

10. Corporate Environment Responsibility:

1. The PP shall complete the CER activities, as committed, before obtaining CTE.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and

balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).

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

11. Miscellaneous:

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


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

requisite data / information/monitoring reports.

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


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Appendix -I
List of Native Trees Suggested for Planting

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

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40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முள்ளை
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	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjita roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மனிப்பங்கள் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Pirav maram	பீராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yettu	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தான்றி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் மருது
57	<i>Toona 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	வெப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்புளி


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Appendix -III


Display Board

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

-----சுரங்கம்

சுரங்கங்களில் சூவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது. தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகனம் பகுதி வளர்ச்சி	சூவாரியின் எல்லைவரை சுற்றி வேலி அமைக்க வேண்டும்
வேம்பாட்டுக்கான சுரங்கத் திட்டம்	சுரங்கப்பாதையின் ஆழம் தளமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்
நடப்பட்டு	சுரங்கத்தில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை.	வசகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்
	இரைச்சல் அளவையும் தூசி மாகபட்டையும் குறைப்பதற்காக சூவாரியின் எல்லைவரை சுற்றி அடர்த்தியான பகனம் பகுதியை ஏற்படுத்த வேண்டும்
	சுரங்கத்தில் வெடி வைக்கும்பொழுது திடஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுரங்க பறகாதவாரும் பாதுகாப்பு நடவடிக்கைகளை உள்விடமாக செயல்படுத்தப்பட வேண்டும்
	சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
	சுரங்க சட்ட விதிகள் 1988ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு கசாதாரமுள்ள கழிப்பறை வசதிகளை செய்ய தர வேண்டும்.
	கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைவரை தொடர்ந்து தனது பராமரிக்க வேண்டும்
	சுரங்கப்பணிகளால் அகலில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.
	தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி தீரின் தாத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.
	சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்லும் 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 மறுகட்டுமாணம் செய்ய தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகனம்பகுதியை உருவாக்க வேண்டும்.
	முழுமையான நிபந்தனைகளை அறிய பாதிவேறு (http://parish.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகள்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறுப்பாளர் அலுவலகம்


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