

State Expert Appraisal Committee (SEAC)

Minutes of 443rd meeting of the State Expert Appraisal Committee (SEAC) held on 08.02.2024 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building and construction project and Mining projects.

Confirmation of Earlier Minutes

The minutes of the 442nd SEAC meeting held on 01.02.2024 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 443-01

(File No: 10235/2023)

Proposed Rough stone Quarry lease over an extent of 3.42.0 Ha at S.F.Nos. 103 (Part - 6) of Madathahalli Village, Pappireddipatti Taluk, Dharmapuri District, Tamil Nadu by Thiru. M.Santhamurthy - For Environmental Clearance.

(SIA/TN/MIN/437225/2023, dated: 19.07.2023)

The proposal was placed in 443rd SEAC meeting held on 08.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. M.Santhamurthy has applied for Environmental Clearance for the Proposed Rough stone Quarry lease over an extent of 3.42.0 Ha at S.F.Nos. 103 (Part - 6) of Madathahalli Village, Pappireddipatti Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 10 years. The mining plan is for 5 years & production should not exceed 1,92,266m³ of Rough stone. The annual peak production should not exceed 39,310m³ of Rough stone. The ultimate depth of mining is 75m AGL.
4. Earlier Environmental clearance obtained vide Lr.No. 12/DEIAA-


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DPI/EC.No.12/2018, Dated: 31.10.2018 for a quantity of 1,92,266Cbm up to a Depth - 110m (95m AGL + 20m BGL).

5. Earlier the proposal was placed in 412th SEAC meeting held on 04.10.2023. Based on the presentation and documents furnished by the proponent, committee noted the following.

1. The proponent shall obtain letter from DFO regarding the reserve forest in which the proposed site is located.

Now the proposal was placed in 443rd SEAC meeting held on 08.02.2024. Based on the presentation and documents furnished by the proponent, Committee noted the following significant observations:

1. As per the A-Register submitted by the proponent in Parivesh portal, the SF No. 103 has been classified as "Malai" (Hill) and the letter issued by the DFO is also not clear.
2. Based on the records, it is ascertained that the mine was operated by the PP in the last tenure with EC issued by DEIAA Dated: 31.10.2018, without conforming to the Mining Plan approved by Dept. of Geology & Mining.
3. The previous quarry operations are not being carried on in a scientific & systematic manner by not following the provisions of the Mines Act 1952, and MMR 1961 & Mines Rules 1955.
4. The quarry has been mined out for a depth of 15 m without any benches & required safety berms / barrier appears to be very unsafe wall.
5. The Competent Authority has clearly demarcated the lease area at the time of execution of lease. Here, the PP has allowed the quarry operation to breach the rules of TNMMCR'1959 by violating the lease conditions through 'encroachment' into the non-leased area at one side of the North.
6. Further, it has been found that the topsoil/overburden excavated during mining was dumped and heaped outside the mine lease area is clearly a breach of provisions of the Mineral Concessional Rules.
7. Besides, the dump is not properly secured to prevent escape of material by taking necessary arrangements for prevention of washing off top soil which may cause

degradation of environment and to incite causation of floods in such hilly terrains.

8. The location of the above stone quarry certainly breach the provisions of Environmental Protection Act, 1986. Contrary to the Circular issued by the Competent Authority wherein there is no specific distance maintained between the Reserve Forest area and the mining lease area. In many NGT cases, it has been insisted that

"...a minimum distance is required to be maintained from the forest area to maintain the ecology on the forest preservation that discussion should not be interfered with without any expert report. The intention of the any Act or Byelaw should not be frustrated by reducing the minimum distance up to zero or without any parameter..."

"....It is the primary duty of the State to conserve the natural resources for our future generation too. The citizens must be in a position to enjoy the resources without causing damage to the environment and the ecology. There must be an institutional framework and enforcement mechanism to prevent illegal and excess quarrying. The mining should be undertaken by the State without any adverse impact on the environment...."

9. The water bodies, lake, air and land all these are the public properties and should be made available to all for maintaining the health and environment. This Doctrine of public trust and precautionary measures were discussed in public interest litigation no. 87/ 2006; Bombay Environmental Action Group Vs. State of Maharashtra 2018 SCC online Bombay 2680.2019(1) Bombay CRI and it was held as follows:

"Apex Court observed thus:

"2. The Indian society has, for many centuries, been aware and conscious of the necessity of protecting environment and ecology. Sages and saints of India lived in forests. Their preachings contained in vedas, upanishads, smritis, etc. are ample evidence of the society's respect for plants, trees, earth, sky, air, water and every form of life. The main motto of social life is to live in harmony with nature. It


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was regarded as a sacred duty of everyone to protect them. In those days, people worshipped trees, rivers and sea which were treated as belonging to all living creatures. The children were educated by elders of the society about the necessity of keeping the environment clean and protecting earth, rivers, sea, forests, trees, flora, fauna and every species of life."

In the case of M.C. Mehta (Badhkal and Surajkund Lakes matter) v. Union of India, the Apex Court held thus: "10. In M.C. Mehta v. Union of India [(1987) 4 SCC 463] this Court held as under:

".....The 'Precautionary Principle' has been accepted as a part of the law of the land. Articles 21, 47, 48-A and 51- A(g) of the Constitution of India give a clear mandate to the State to protect and improve the environment and to safeguard the forests and wildlife of the country. It is the duty of every citizen of India to protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures. The "Precautionary Principle" makes it mandatory for the State Government to anticipate, prevent and attack the causes of environment degradation...."

*".....It is often said that **development and protection of environment are not enemies but are two sides of the same coin**. If without degrading the environment or by minimizing the adverse effects thereupon by applying stringent safeguards, it is possible to carry on developmental activities applying the principle of sustainable development, in that eventuality, development has to go on because one cannot lose sight of the need for development of industry, irrigation resources, power projects, etc. including the need to improve employment opportunities and the generation of revenue."*

*"However, **Life, public health and ecology have priority over unemployment and loss of revenue problem...."***


10. In Hira Nath Mishra & Ors. Vs. The Principal, Rajendra Medical College, Ranchi & Anr. AIR 1973 SC 1260, the Hon^{ble} Supreme Court held that principles of natural justice are not inflexible and may differ in different circumstances. Rules of natural justice cannot remain the same applying to all conditions.

11. It is significant to mention that the NGT 29 Act, 2010 was enacted for effective and expeditious disposal of cases relating to environmental protection and conservation of forests and other natural resources including enforcement of any legal rights relating to environment.
12. Even though the mining lease has been granted by the Competent Authority as a matter of Government Policy through Tender cum Auction for a period of 10 years and the Committee has observed in Union of India Vs. Dinesh Engineering Corpn. & Anr. (2001) 8 SCC 491 the Supreme Court exhibited as follows:

".....Where the decision of the authority is in regard to a policy matter, this Court will not ordinarily interfere since these policy matters are taken based on expert knowledge of the persons concerned and courts are normally not equipped to question the correctness of a policy decision. But then this does not mean that the courts have to abdicate their right to scrutinize whether the policy in question is formulated keeping in mind all the relevant facts and the said policy can be held to be beyond the pale of discrimination or unreasonableness, bearing in mind the material on record..... Any decision, be it a simple administrative decision or a policy decision, if taken without considering the relevant facts, can only be termed as an arbitrary decision. If it is so, then be it a policy decision or otherwise, it will be violative of the mandate of Article 14 of the Constitution...."

After the long deliberations, noting the observation in the Common Order issued as a part of judgement pronounced before the Madurai Bench of Madras High Court by the Honourable JUSTICE G.R. SWAMINATHAN that:

".....Mountains, forests, hills, hillocks and rivers are Nature's gifts and it is the duty of the Government and the administration to ensure that they are preserved for future generations. This principle of inter-generational equity has been highlighted in a catena of cases. At the same time, we cannot lose sight of the harm caused to the present generation....."


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the Committee decided to invalidate the EC issued by DEIAA Dated: 31.10.2018 and further decided **not to recommend** the proposal for grant of Environmental Clearance considering the environmental setting of the mine site.

Agenda No: 443 - 02

(File No: 10298/2023)

Proposed Rough stone Quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 158/1(Part2) (Bit-II) of Periyagoundapuram Village, Vazhapadi Taluk, Salem District, Tamil Nadu by Tmt. R. Vijaya - For Environmental Clearance.

(SIA/TN/MIN/439289/2023, dated: 04.08.2023)

The proposal was placed in 443rd SEAC meeting held on 08.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. R. Vijaya has applied for Environmental Clearance for the Proposed Rough stone Quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 158/1(Part-2) (Bit-II) of Periyagoundapuram Village, Vazhapadi Taluk, Salem 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 for 5 years. The mining plan is for 5 years & production should not exceed 4,07,401m³ of rough stone. The annual peak production should not exceed 89,745m³ of rough stone. The ultimate depth of mining is 56m (21m AGL+ 35m BGL).
4. Existing pit letter vide Roc.182/2020/Mines-A dated 30.11.2020 which interalia states

The Precise area communicated land scape is an already leased out quarry, which was previously held under quarry lease for a period 02.05.2011 to 01.05.2016.

The quarry pit found in the area in the following dimensions.

Pit	L	X	W	X	D
I	112 m	X	73m	X	20
II	70 m	X	65m	X	6


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5. Earlier the proposal was placed in 414th SEAC meeting held on 06.10.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following additional documents to consider the proposal.

- (i) As other proposals in the same cluster have been treated under B1 category and given ToR, the proponent shall submit necessary clarification and submit revised 500m cluster certificate from the Department.
- (ii) The proponent shall submit revised section by providing adequate safety distance for the existing high walls and consequent revised quantity duly approved by the competent authority.

S. No	QUERY	Reply
1	As other proposals in the same cluster have been treated under B1 category and given ToR, the proponent shall submit necessary clarification and submit revised 500m cluster certificate from the Department.	<p>We wish to bring your kind notice that there are two existing quarries in the cluster namely</p> <p>Tmt. R.Vijaya (Extent 0.66.5 Ha) & Tmt. Hemaladha (Extent 0.34.0 Ha) is now become an abandoned quarry.</p> <p>Based on the revised 500m radius cluster letter this project falls in the B2 Category considering the revised 500m radius letter we request Honorable Committee to accept our proposal under B2 Category.</p> <p>Proponent obtained revised 500m radius letter from the Assistant Geologist, Deputy Director (I/c) Rc. No. 800/2023 Mines-A Dated 23.11.2023</p>
Comparison Table		

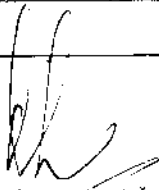

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As per the 500m Radius cluster letter Dated 29.06.2020 (B1 Category)		As per the Revised 500m Radius cluster letter Dated 23.11.2023 (B2 Category)	
Existing quarry V.Hemalatha – 02.05.2011 to 01.05.2021 R.Vijaya – 26.05.2018 to 25.05.2023		Abandoned quarry V.Hemalatha – 02.05.2011 to 01.05.2021 R.Vijaya – 26.05.2018 to 25.05.2023	
2	The proponent shall submit revised section by providing adequate safety distance for the existing high walls and consequent revised quantity duly approved by the competent authority.	Considering the safety parameters from the high wall benches necessary correction has been made in the section and the revised quantity got approval from the Competent authority vide Roc.182/2020/Mines-A dated: 04.01.2024.	

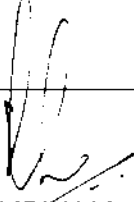
File No		10298/2023		Category	B2	
		439289/2023			1(a)	
Sl. No	Salient Features of the Proposal					
1.	Name of the Owner/Firm	:	Tmt. R. Vijaya, W/o. Rajendran No. 76. Thiyagi Natesan Street No.3, Ammapettai, Salem District – 636 003.			
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone Quarry			
3.	S.F Nos. of the quarry site with area break-up	:	158/1(Part2) (Bit-II)			
4.	Village in which situated	:	Periyagoundapuram			


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5.	Taluk in which situated	:	Vazhapadi	
6.	District in which situated	:	Salem	
7.	Extent of quarry (in ha.)	:	2.00.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	11°39'19.27"N to 11°39'25.82"N 78°16'02.06"E to 78°16'11.43"E	
9.	Topo Sheet No.	:	58 - 1/06	
10.	Type of mining	:	Opencast Mechanized Mining	
11.	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone 10,99,952m ³	Rough Stone -
	Minable Resources m ³ (RoM)	:	Rough Stone 4,07,401m ³	Rough Stone 1,97,571 m ³
	Annual Peak Production in m ³	:	Rough Stone 89,745m ³	Rough Stone 40,920 m ³
	Maximum Depth in meters	:	56m (21m AGL+ 35m BGL)	51m (21m AGL+ 30m BGL)
		:		
13.	Depth of water table	:	56m in rainy & 60m in summer season	
14.	Man Power requirement per day:	:	36 Nos	
15.	Water requirement: 1. Drinking & utilized water 2. Dust suppression 3. Green belt	:	1.8 KLD 0.5 KLD 0.7 KLD 0.6 KLD	
16.	Power requirement	:	TNEB 3.25.920 Ltrs of HSD	

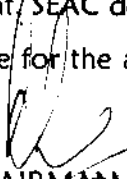

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17.	Precise area communication approved by the District Collector, Dept of G&M	:	Na.Ka.No.182/2020/Kanimam/A, dated: 23.06.2020	
18.	Mining Plan approved by Assistant Geologist/Assistant Director (I/c), Dept of Geology & Mining.	:	Roc.182/2020/Mines-A, dated: 29.09.2020	
19.	Department of G&M, Deputy Director, 500m Cluster Letter	:	Roc.800/2023/Mines-A, dated: 03.07.2023	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 07.03.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 97.74,000	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:	Max Total RoM in m ³	Rough Stone 1,97,571 m ³
		:	Annual Max RoM in m ³	40,920 m ³
		:	Max Depth in mtrs	51m (21m AGL+ 30m BGL)
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 26,57,000 Recurring Cost – Rs. 22,38,473	
24.	CER cost (in Rs. Lakhs).	:	Rs. 5,00,000	

Now the proposal was again placed in 443rd SEAC meeting held on 08.02.2024. 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


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peak production capacity of not **exceeding 40,920 m³ of rough stone by maintaining the ultimate depth of mining up to 51 m (21m AGL+ 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.**
2. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
3. The PP shall 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, 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 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.


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5. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution
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 in a hilly terrain within a period of two years from the commencement of mining operations **for evaluating the slope stabilization & protective measures while designing the proposed benches**, 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 are situated nearby**, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
8. Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.


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9. As accepted by the Project Proponent the CER cost of **Rs. 5 Lakhs** and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Ottapatti, Ayodyapattinam, Salem District before obtaining CTO from TNPCB.

Agenda No: 443 - 03


(File No: 9349/2022)

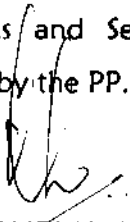
Proposed Rough Stone Quarry lease over an extent of 1.42.0 Ha at S.F.Nos. 76 & 140 (part-2) of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru. S. Rathinavel - For Environmental Clearance. (SIA/TN/MIN/268005/2022 Dt. 05.05.2022)

The proposal was placed in the 443rd SEAC meeting held on 08.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. S. Rathinavel has applied for Environmental Clearance for the proposed Rough Stone Quarry lease over an extent of 1.42.0 Ha at S.F.Nos. 76 & 140 (part-2) of Nathathahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed in 308th SEAC meeting held on 01.09.2022. Based on the presentation made by the proponent, SEAC had observed that (i) few structures exist within the radius of 500 m (ii) the Plans and Sections of the proposed mining operation was prepared wrongly with diagonal sections and hence the SEAC decided to call for additional details as given below:
 - (i) The proponent is requested to furnish the DFO letter.
 - (ii) The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 200m, and 300m from the boundary of the mine lease area.
 - (iii) Revised mining plan incorporating the proper 'Plans and Sections' approved by the competent authority shall be submitted by the PP.


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

4. Earlier, the proposal was placed in the 424th part 2 SEAC meeting held on 18.11.2023. During the presentation, EIA coordinator requested additional time to submit the additional details sought. Hence, committee accepted the request and PP shall submit the details within 6 months, if not it will be construed that the PP is not interested and the proposal will be closed and recorded without any intimation.

S. No.	Query	Reply
1	The Proponent is requested to furnish the DFO letter.	The Proponent had obtained a letter from the DFO showing the nearest reserve forest from the lease area vide Lr.RC.No. 11420/2023/V, Dated: 08.12.2023.
2	The Proponent is required to carry out a survey and enumerate on the Structures located within 50m, 100m, 200m & 300m from the boundary of the mine lease.	

0-100m Radius							
Number of Structures – 3 Nos							
Structure Numbers	Type of Structure	Usage Purpose	Commercial / industry / residential / farm house / Govt. building	Occupants of Building/ Structure	Structure belongs to owner	Structure Not belongs to owner	Remarks
1	Mines Shed – 60m – SE	Office Use	Commercial	Nil	Yes	No	This Structure will be utilized as Mines office
1	Shed – 80m – North	Storage Purpose	Commercial	Nil	No	Yes	Used to store Agriculture materials
1	Houses – 80m – North	Resident	Resident	3 Nos	No	Yes	3 Members are staying
100-200m Radius							
Number of Structures – 16 Nos							


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Structure Numbers	Type of Structure	Usage Purpose	Commercial / Industry / residential / farm house / Govt. building	Occupants of Building/ Structure	Structure belongs to owner	Structure Not belongs to owner	Remarks
4	Farmhouse – 110m – South 120m – SE 160m – South 160m – South	Used to store agriculture Goods and materials	Commercial	Nil	No	Yes	Occasional Staying
1	Labour Shed – 180m – South	Used as shelter for the labours	Commercial	Nil	No	Yes	Labours Stay
9	Concrete Houses –180m – SE 200m – South	Resident	Resident	18 Nos	No	Yes	18 Members are staying
1	Abandoned House – 180m – North	Abandoned					
1	Poultry Farm – 190m – North	Production of Eggs and Meats	Commercial	Nil	No	Yes	No Stay
200-300m Radius							
Number of Structures – 16 Nos							
Structure Numbers	Type of Structure	Usage Purpose	Commercial / industry / residential / farm house / Govt. building	Occupants of Building/ Structure	Structure belongs to owner	Structure Not belongs to owner	Remarks
7	Concrete Houses –220m – North 250m – West 270m – North	Resident	Resident	15 Nos	No	Yes	15 Members are staying
1	Cattle Shed – 280m – NW	To Store Cattle Feeds	Commercial	Nil	No	Yes	
3	Revised mining plan incorporating the Proper 'Plans and Sections' approved by the competent			The mining plan has been revised and got approved by Department of Geology and Mining, Dharmapuri vide Lr.No.			


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authority shall be submitted by the PP	Roc.No.163/2019(Mines). Dated:22.11.2023.
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Sl. No.	SEIAA Query	Reply
1	Impact on the Ground Water Table.	<ul style="list-style-type: none"> • The mining operation is proposed to carried out up to the depth of 25m bgl. • Hydrogeological Study has been conducted by Govt Approved Hydrogeologist; it is inferred from the report that the shallow aquifer is expected about 70m to 75m bgl. The ultimate pit limit of the mining is 40m bgl which will have no impact on the ground water. • The proposed project is for quarrying Rough Stone on hard Batholith formation of Charnockite Group and does not intersect ground water regime and has no major faults, folds or lineaments which is inferred from the hydro geological study
2	Will it affect the agriculture activity nearby	<ul style="list-style-type: none"> • The lease area was surrounded by dry barren land. • No major agriculture activities in the vicinity of the area, agriculture is practiced only during rainy seasons not regularly. • Anticipated impact due to this proposed mining activity are dust propagation into adjacent field.


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		<ul style="list-style-type: none"> • This shall be mitigated by the proposed EMP with budget provision like Greenbelt development is proposed all along the boundary barrier to mitigate dust propagation into the surrounding fields and regular water sprinkling for dust suppression as per EMP shall be strictly implemented.
3	Will the mining activity cause soil erosion	<ul style="list-style-type: none"> • Total quantity of intermittent top soil is about 9,126m³ will be removed and preserved in the safety barrier and will be only used for greenbelt development purpose. • It is inferred from the primary and secondary data's the project will not have any significant impact on the soil and biodiversity of the area due to its small scale quarrying activity and the proposed EMP shall prove beneficial to the surrounding environment • The PP ensures to construct Garland Drains with settlement traps to arrest any surface run-off during monsoon period.
4	Detailed report regarding the impact of mining on the loss of livelihood and security of the people nearby the proposed site	<ul style="list-style-type: none"> • The extent of the lease area is 1.42.0 ha and its small scale quarrying activity which will not have major impact on the livelihood and security of the people. • 20 nos of employment opportunity will be given to the local people of that village.


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		<ul style="list-style-type: none"> The lease area will be fenced completely and Greenbelt development will be carried out in order to stop the dust propagation
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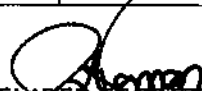
File No		9349/2022	Category	B2
		268005/2022		1(a)
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru. S.Rathinavel, S/o. Subramani, No.3-99-1, Mallapuram Village, Somanahalli Post, Nallampalli Taluk, Dharmapuri District – 636 803	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	76 & 140 (Part-2)	
4.	Village in which situated	:	Nathathahalli	
5.	Taluk in which situated	:	Nallampalli	
6.	District in which situated	:	Dharmapuri	
7.	Extent of quarry (in ha.)	:	1.42.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	12°07'33.87"N to 12°07'39.70"N 78°04'24.00"E to 78°04'29.22"E	
9.	Topo Sheet No.	:	57 - L/04	
10.	Type of mining	:	Opencast Semi - Mechanized Mining	
11.	Life of Project	:	5 years	
	Lease Period	:	10 years	
	Mining Plan Period	:	5 years	


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	Mining Plan Details	:	As per approved Mining Plan	As modified Mining Plan by PP
12.	Geological Resources m ³ (RoM)	:	Rough Stone 6,19,290m ³	Rough Stone 5,07,670m ³
	Minable Resources m ³ (RoM)	:	Rough Stone 2,27,772m ³	Rough Stone 1,80,840m ³
	Annual Peak Production in m ³	:	Rough Stone 26,400m ³	Rough Stone 37,595m ³
	Maximum Depth in meters	:	20m	25m (8m AGL + 17m BGL)
13.	Depth of water table	:	70m – 75m	
14.	Man Power requirement per day:	:	20 Nos	
15.	Water requirement:		4.3 KLD	
	4. Drinking & utilized water	:	1.3 KLD	
	5. Dust suppression	:	1.5 KLD	
	6. Green belt	:	1.5 KLD	
16.	Power requirement	:	TNEB 1,07,356 Litres of HSD	
17.	Precise area communication approved by District Collector, Geology & Mining	:	Na.Ka No.163/2019 (Kanimam), dated: 17.06.2020	
18.	Mining Plan approved by Deputy Director, Dept of Geology & Mining.	:	Rc.No.163/2019 (mines), dated: 20.07.2020	
19.	Department of G&M, Deputy Director, 500m Cluster Letter	:	Roc.No.163/2019 (Mines), dated: 26.11.2021.	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 24.11.2021	


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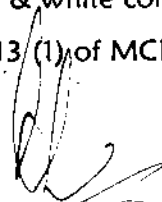

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21.	Project Cost (excluding EMP cost)	:	Rs. 95,05,000
22.	EC Recommendation	:	Validity
			30 years subject to the following upper limits.
			Rough Stone
		:	Max Total RoM in m ³
			1,49,630m ³
		:	Annual Max RoM in m ³
			37,595m ³
		:	Ultimate Depth in mtrs
			25m (8m AGL+17m BGL)
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 23,05,400 Recurring Cost – Rs. 15,34,090
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 **37,595m³ of Rough stone by maintaining the ultimate depth of mining up to 25m (8m AGL+17m BGL)** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a **maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.**
2. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR,


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1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.

3. The PP shall install the tall wind sheets around the lease boundary directing the structures located nearby and water shall be sprayed frequently so as to arrest the dust pollution.
4. The proponent shall carry out the controlled blasting techniques only involving the line drilling and Muffled blasting technique so as to prevent the throw of displaced material beyond 10 m.
5. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit and garland drainage with settlement tank before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
6. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
7. For ensuring the scientific & systematic way of mining, the PP shall submit a conceptual plan indicating the quarry operation to be carried out from top ward to downwards by maintaining the haul road of permitted gradient along with keeping the benches intact, to the concerned AD (Mines) at the time of lease execution.
8. 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.
9. 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 quarry, by involving


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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.

10. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation, and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
11. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th year or when the depth of working exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
12. 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 Middle School, Valliyappampattipudhur before obtaining CTO from TNPCB.

Agenda No: 443 - 04

File No: 10110/2023

Proposed Rough Stone & Gravel quarry lease over an extent of 2.27.0 ha in S.F. No. 503/1A, 503/1B & 503/2(P) at Puravipalayam Village, Pollachi Taluk, Coimbatore District, Tamil Nadu by Thiru. K. T. Chenthamara - For Environmental Clearance. (SIA/TN/MIN/431472/2023, Dated: 07.06.2023)


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The proposal was placed in this 443rd SEAC meeting held on 08.02.2024. 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. T. Chenthamara has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 2.27. 0 ha in S.F. No. 503/1A, 503/1B & 503/2(P) at Puravipalayam Village, Pollachi Taluk, Coimbatore 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 approved vide Rc.No. 1436/Mines/2017, Dated: 18.07.2018, the lease period was for 5 years. The mining plan was for 5 year & production should not exceed 3,76,590m³ of Rough Stone & 50,406 m³ of Gravel. The annual peak production 85,495m³ of Rough Stone & 29,526 m³ of Gravel. The ultimate depth of mining is 48m BGL.
4. Subsequently, as per the Modified Mining Plan approved vide Rc.No. 7958/MM1/2022, Dated: 25.11.2022 for a quantity of 1,19,073m³ of Rough Stone & 588m³ of Gravel. The annual peak production 73,303m³ of Rough Stone & 588m³ of Gravel. The ultimate depth of mining is 48m BGL.
5. Existing pit details vide Rc. No. 1436/Mines/2017 Dated: 10.08.2023 is as follows

Original Pit dimension of the existing quarry.	136m – Length, 116m – Width, 36m – Depth.
EC approved Quantity Vs Quantity Achieved.	Quantity Approved in the EC 3,76,590 Cbm. Quantity excavated so far 2,75,850 Cbm.
Balance Quantity as per mineable Reserve Calculated.	Balance Quantity 1,00,740 Cbm.
Mined out Depth as on date Vs EC	Maximum depth - 36 mts.


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Permitted depth.	Minimum depth - 10mts. Depth Permitted in the EC - 48 mts.
Details of illegal/illicit mining carried out, if any Violation in the quarry during the past working quantity of material mined out outside the mine lease area (or) in the adjacent quarry/land.	The Sub – Collector Pollachi has levied a sum of Rs 32,79,77,892/- as Penalty vide proceedings in R.C.No.818/2021/A2 dated 29.01.2022. The said order was revised by the appellate authority Commissioner of Geology and Mining Vide Proceedings No.7958/MM1/2022 dated 25.11.2022. In the said order the Penalty was revised as Rs 2,48,09,119/-. As ordered by the GCM the lessee has remitted a sum of Rs 89,00,000/- up to August 2023.
Existing condition of Safety Zone/benches.	Safety distance to the Village Road on the West and 7.5 Mts to the adjacent lands on the South and East are maintained. Benches Were formed in 3 levels.

6. Earlier, the proposal was placed in the 401st SEAC meeting held on 17.08.2023. Based on the presentation and the documents furnished by the Proponent, SEAC noted the following proceedings of the commissioner of geology and mining vide Rc.No. 7958/MM1/2022 dated 25.11.2022

- (i) A quarry lease had been granted in favour of Thiru K. T. Chenthamarai for quarrying rough stone and gravel over an extent of 2.27.0 hectares of patta land comprising S.F.Nos.503/1A, 503/18 & 503/2 of Puravipalayam village, Pollachi taluk, Coimbatore District by the District Collector,


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Coimbatore vide proceedings in Rc.No.1436/Kanimam/2017, dated 22.12.2018 for a period of five years valid from 22.12.2018 to 21.12.2023.

- (ii) One Thiru K. A. Radhakrishnan had filed W.P.No.17367 of 2020 before the Hon'ble Madras High Court with a prayer to direct the official respondents to take all appropriate steps to stop and close down forthwith the entire illegal mining activity done by the 8th respondent in violation of the conditions imposed in their respective land situated at Pollachi and pass appropriate orders within a time frame fixed by the Hon'ble Court.
- (iii) The Commissioner of Geology and Mining vide Rc.No.216/MM1/2021, dated 05.03.2021 constituted Joint Committee to carry out inspection in the subject quarry to file factual report. In pursuant to the orders of the Commissioner of Geology and Mining, the Joint Committee had carried out inspection in the subject areas and filed inspection report on 10.03.2021.
- (iv) Based on the report filed by the Joint Committee, the Sub Collector, Pollachi vide Rc.No.818/2021/A2, dated 29.01.2022 had levied penalty on Thiru. K. T. Chenthamarai, Managing Director of Tvl.Yen Cees Blue Metals for a sum of Rs.32,29,77,792/- for indulging illicit quarrying and transportation of minerals from the lease hold areas in S.F.Nos.495/2A, 504/2A, 504/28, 503/1A, 503/18 & 503/2 and non-lease hold areas in S.F.Nos.495/2B(P), 502/1(P) & 503/2(P) & 497(P) & 502/1(P) of Puravipalayam village, Pollachi taluk, Coimbatore District.
- (v) Aggrieved by the said order passed by the Sub Collector, Pollachi, Thiru. K. T. Chenthamarai had preferred an appeal before the Commissioner of Geology and Mining with a prayer to set aside the orders passed by the Sub Collector, Pollachi vide proceedings In Rc.No.818/2021/A2, dated 29.01.2022.
- (vi) The Commissioner of Geology and Mining had afforded an opportunity to the appellant for personal hearing and the appellant had appeared


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before the Commissioner of Geology and Mining and submitted written statement dated 24.11.2022 & 25.11.2022.

(vii) In this regard, the contention of appeal petition preferred by the appellant, orders passed by the Sub Collector, Pollachi, statement of the appellant and other connected records were examined as per Act and Rules and the observations were made stated therein.

(viii) Based on the observations stated therein, it was revealed that the appellant had indulged in illicit quarrying and transportation of minerals without valid permits. For the violations committed by the appellant, penalty was levied on the appellant as per the assessment carried out by the department of Geology and mining.

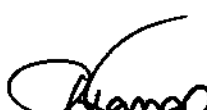
(ix) The Assistant Director of Geology and Mining, Coimbatore was instructed by Director of Geology and mining to inspect the adjacent non-leased areas and to ascertain whether the lessee had indulged in illegal quarrying and transportation of minerals from the non-leased areas and also to ascertain whether overburden is dumped in the leased area/non-leased areas as stated by the appellant and to send a report for taking further action in respect of violations indulged in non-leased areas.

In the view of the aforesaid proceedings of commissioner of geology and mining, committee noted that

- a. The assistant director had not furnished the report as directed by commissioner of geology and mining in the para 9 of the proceedings of commissioner of geology and mining vide Rc.No. 7958/MM1/2022 dated 25.11.2022.

Hence, in the view of the above facts and documents furnished by the proponent, SEAC decided to call for additional details

1. The AD/mines shall inspect the site and shall furnish the report with respect to the directions given by commissioner of geology and mining as stated above.


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II. The proponent shall submit certified compliance report obtained from IRO, MoEF&CC.

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

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.

S. No	Query	REPLY
1.	The AD/mines shall carry out the field investigation to ascertain the actual conditions in the site and shall furnish the report with respect to the directions given by commissioner of Geology and Mining as stated above.	The Department of Geology and Mining, Coimbatore District had issued the letter on 08.09.2023 about the field investigation of the site and the same is submitted.
2.	The proponent shall submit certified compliance report obtained from IRO MoEF & CC.	Certified Compliance Report submitted to the Authority on 21.01.2024 and the same is submitted. CCR non-compliances and the mitigation measures are submitted.

File No		10110/2023	Category	82
		431472/2023		1(a)
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	K.T.Chenthamara, M/s.Yencess Blue Metals, No.495/2A, Kanal Pudur, Puravipalayam, Pollachi Taluk.		


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		Coimbatore District.		
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	503/1A, 503/1B & 503/2(Part)	
4.	Village in which situated	:	Puravipalayam	
5.	Taluk in which situated	:	Pollachi	
6.	District in which situated	:	Coimbatore	
7.	Extent of quarry (in ha.)	:	2.27.0Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°44'55.65024"N to 10°45'1.76332"N 76°55'26.48411"E to 76°55'32.69661"E	
9.	Topo Sheet No.	:	58-B/13 & 58-B/14	
10.	Type of mining	:	Opencast Semi - Mechanized Mining	
11.	Life of Project	:	5 years	
	Lease Period	:	Extended for 18 Months	
	Mining Plan Period	:	Approved for 18 Months	
12.	Mining Plan Details	:	As per approved Mining Plan in 2018	As per modified approved Mining Plan in 2022
	Geological Resources m ³ (RoM)	:	Rough Stone	Rough Stone
			10,22,400 m ³	6,08,372 m ³
			Gravel	Gravel
			68,160 m ³	1,512 m ³
	Minalable Resources m ³ (RoM)	:	Rough Stone	Rough Stone
			3,76,590 m ³	1,19,073 m ³
			Gravel	Gravel
			50,406 m ³	588 m ³
	Annual Peak Production in m ³	:	Rough Stone	Rough Stone
85,495 m ³			73,303 m ³	

			Gravel	Gravel
			29,526 m ³	588 m ³
	Maximum Depth in meters	:	48m BGL	48m from the existing pit level (R.L. 236m to 188m)
13.	Depth of water table	:	55m – 60m	
14.	Man Power requirement per day:	:	16 Nos	
15.	Water requirement: 7. Drinking & utilized water 8. Dust suppression 9. Green belt	:	3.5 KLD 2.0 KLD 1.0 KLD 0.5 KLD	
16.	Power requirement	:	TNEB 3,09,672 Litres of HSD	
17.	Precise area communication approved by District Collector Coimbatore, with date	:	Na.Ka No.1436/2017/Kanimam-04, dated: 05.07.2018	
18.	Mining Plan approved by Joint Director/ Assistant Director (i/c), Dept of Geology & Mining.	:	Rc.No.1436/Mines/2017, dated: 18.07.2018	
19.	Department of G&M, Assistant Director, 500m Cluster Letter	:	Rc.No.394/Mines/2019, dated: 25.02.2023.	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 24.02.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 52,50,645	


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		: Validity	18 Months plan period	
			Rough Stone	Gravel
22.	EC Recommendation	: Max Total RoM in m ³	1,19,073m ³	588m ³
		: Annual Max RoM in m ³	73,303m ³	588m ³
		: Max Depth in mtrs	48m from the existing pit level (R.L. 236m to 188m)	
23.	EMP cost (in Rs. Lakhs).	: Capital Cost – Rs. 31.61 Lakhs Recurring Cost – Rs. 3.53 Lakhs		
24.	CER cost (in Rs. Lakhs).	: Rs. 5.00,000		

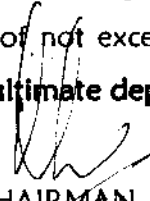
Now the proposal was again placed in 443rd SEAC meeting held on 08.02.2024. Based on the presentation and documents furnished by the proponent, committee noted the following

1. The AD/Mines inspection report vide R.C.No.394/Mines/2019 Dated: 08.09.2023

"... It is reported that the Team has assessed the quantity of gravel and rough stone quarried from the non-lease hold areas in S.F.Nos. 502/1, 497(P) and 495/2B and submitted the report. Apart from the above S.F.Nos., no unauthorized quarrying was noticed in any of the non-leased out survey fields owned by the lessee company in Puraivipalayam Village, Pollachi Taluk."

Hence, based on the above clarification given by the AD/Mines, Department of Geology and Mining, Coimbatore, and 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 73,303 m³ of Rough stone & 588 m³ of Gravel by maintaining the ultimate depth of


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mining up to 48m from the existing pit level (R.L. 236m to 188m) and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be **valid for the project life** including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a **maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.**
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit and garland drainage with settlement tank before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
4. For ensuring the scientific & systematic way of mining, the PP shall submit a conceptual plan indicating the quarry operation to be carried out from top ward to downwards by maintaining the haul road of permitted gradient along with keeping the benches intact, to the concerned AD (Mines) at the time of lease execution.
5. 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.
6. 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 quarry, by involving


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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.

7. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation, and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
8. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall when the depth of working exceeds 30m, 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.
9. As accepted by the Project Proponent the CER cost of **Rs. 5 Lakhs** and the amount shall be spent for the activities as committed towards Panchayat Union Middle School, Vadakkukadu Village before obtaining CTO from TNPCB.

Agenda No: 443 - 05

File No: 10466/2023

Proposed multi-Colour Granite quarry lease over an extent of 4.05.3 ha in S.F. No. 676/4, 806/2, 826/1, 826/2, 826/3, 826/4 & 826/5 of Bodichipalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru. N. Sankar - For Environmental Clearance. (SIA/TN/MIN/ 447394 /2023, Dated: 07.10.2023)


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The proposal was placed in this 443rd SEAC meeting held on 08.02.2024. 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. N. Sankar has applied for Environmental Clearance for the Proposed Multi-Colour Granite quarry lease over an extent of 4.05.3 ha in S.F. No. 676/4, 806/2, 826/1, 826/2, 826/3, 826/4 & 826/5 of Bodichipalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier the proposal was placed in 429th SEAC meeting held on 13.12.2023. Based on the presentation and documents furnished by the proponent, committee decided to call for additional details as follows
 - (i) 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.
 - (ii) The proponent shall carry out a scientific study to quantify the impacts of the proposed activity with respect to the wind direction and appropriate mitigation measures shall be submitted.

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

S. No	QUERY	REPLY
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1.	The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50m (ii) 100m (iii) 200m (iv) 300m & (v) 500m shall be enumerated with details such as dwelling house with number of occupants, whether it belongs to the owner (or) not, places of worship,	Radius	Structures
		Periphery to 100m	Resting shelter constructed using Asbestos 10x10ft in western side
			Asbestos sheet House of 30*20ft -1 and adjacent there is a Asbestos sheet shed-1 for goat shelter. No occupants in the house and shelter. They are working in construction sector in Bangalore as a Mason. Tiled cow shelter – 1 in the northern side
		100m- 200m	1000 sq ft Pentecostal Church covered by Asbestos sheet. Sunday Prayer offerings only in between 9Am to 12Pm. Poultry farm-1, cattle Shed- 3, Individual Houses – 3(Nature of work: Agriculture, Brick Kiln)
		200m- 300m	Inhabited site - Irudhalam Village located in north. – 104houses, Population – 1421. Male voters – 542, Female voters – 555. Occupation –Goat and Cow maintenance work, Poultry farm, Agriculture, Lorry drivers, Helpers in stone quarries, Workers in Brick kiln, Mason workers migrate to Hosur.
		300m- 400m	Irudhalam Village SM Brick kiln and Clay Tiles - around 12acres in North west
		400m- 500m	Irudhalam Village, Shed- 6, House- 6

	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.,											
2.	The proponent shall carry out a scientific study to quantify the impacts of the proposed activity with respect to the wind	<p>The temporary meteorological station was setup in the site to collect the wind speed and direction with the help of Anemometer and wind van. Date collection date: 19.01.2024. Meteorological data is given below:</p> <table><tr><th>Parameters</th><th>Values/ Description</th></tr><tr><td>Surface wind that blows predominantly</td><td>Blows from north east</td></tr><tr><td>Wind Speed</td><td>2.01m/s</td></tr><tr><td>Temperature</td><td>16.8°C to 28.4°C</td></tr><tr><td>Humidity in %</td><td>51 to 100</td></tr></table> <p><u>Baseline values of Ambient Air Quality Monitoring Results</u></p>	Parameters	Values/ Description	Surface wind that blows predominantly	Blows from north east	Wind Speed	2.01m/s	Temperature	16.8°C to 28.4°C	Humidity in %	51 to 100
Parameters	Values/ Description											
Surface wind that blows predominantly	Blows from north east											
Wind Speed	2.01m/s											
Temperature	16.8°C to 28.4°C											
Humidity in %	51 to 100											


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direction and appropriate mitigation measures shall be submitted.	Parameters	Results	Limit as per NAAQS
	Particulate Matter (PM10)	52.87 $\mu\text{g}/\text{m}^3$	100 $\mu\text{g}/\text{m}^3$
	Particulate Matter (PM2.5)	27.3 $\mu\text{g}/\text{m}^3$	60 $\mu\text{g}/\text{m}^3$
	Sulphur Dioxide	1.4 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$
	Nitrogen dioxide	7.8 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$
	<p>The AAQ values were found below the permissible limits of CPCB.</p> <p>Wind pattern in the lease area blows from the northeast during cooler months and reverses direction to blow from the southwest during the warmest months of the year.</p> <p>Usually, the concentrations of the PM10 and PM2.5 are high in winter in comparison to the summer, monsoon, spring and autumn season.</p> <p>This monitoring was done in winter.</p> <p>If the granite mine will starts functioning the incremental value of PM10 and PM2.5 may be $5\mu\text{g}/\text{m}^3$ from the base values.</p> <p>Hence the habitation located in north will not be affected due to this mine operation.</p>		

File No	10466/2023	Category	B2
	447394/2023		1(a)
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Thiru. N.Sankar, S/o. Nataraj, No.97/B, Thippampatti Village, Balethottam Post,


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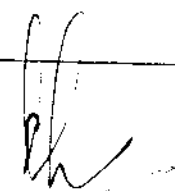
		Pochampalli Taluk, Krishnagiri District – 635206.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	Multi-Colour Granite Quarry	
3.	S.F Nos. of the quarry site with area break-up	676/4, 806/2, 826/1, 826/2, 826/3, 826/4 & 826/5	
4.	Village in which situated	Bodichipalli	
5.	Taluk in which situated	Denkanikottai	
6.	District in which situated	Krishnagiri	
7.	Extent of quarry (in ha.)	4.05.3Ha	
8.	Latitude & Longitude of all corners of the quarry site	12°34'48.44493"N to 12°34'59.46902"N 77°54'1.20540"E to 77°54'9.17231"E	
9.	Topo Sheet No.	57 - H/14	
10.	Type of mining	Opencast Semi - Mechanized Mining	
11.	Life of Project	5 years	
	Lease Period	20 years	
	Mining Plan Period	5 years	
12.	Mining Plan Details	As per approved Mining Plan	As modified by SEAC
		ROM	ROM
	Geological Resources m ³ (RoM)	16,96,716 m ³	-
		Granite Recovery @ 35%	Granite Recovery @ 35%
		5,93,851m ³	-
		Granite Waste @ 65%	Granite Waste @ 65%
		11,02,865m ³	-
	Mineable Resources m ³ (RoM)	ROM	ROM


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		6,48,405 m ³	-
		Granite Recovery @ 35%	Granite Recovery @ 35%
		2,26,942m ³	-
		Granite Waste @ 65%	Granite Waste @ 65%
		4,21,463m ³	-
	Annual Peak Production in m ³ :	ROM	ROM
		11,250 m ³	-
		Granite Recovery @ 35%	Granite Recovery @ 35%
		3,938m ³	-
		Granite Waste @ 65%	Granite Waste @ 65%
		7,313m ³	-
	Maximum Depth in meters :	50m BGL	-
13.	Depth of water table :	65m in rainy & 70m in summer season	
14.	Man Power requirement per day:	22 Nos	
15.	Water requirement: 1. Drinking & utilized water 2. Dust suppression 3. Green belt	3.3 KLD 1.3 KLD 1.0 KLD 1.0 KLD	
16.	Power requirement :	TNEB 2,455 Litres of HSD	
17.	Precise area communication approved by Natural	Letter No.4158427/MME.2/2023-1, dated: 24.07.2023	


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	Resources (MME.2) Department, with date		
18.	Mining Plan approved by Additional Director, Dept of Geology & Mining.	:	Rc.No.1202/MM4/2021, dated: 19.09.2023
19.	Department of G&M, Deputy Director, 500m Cluster Letter	:	Roc.No.468/2020/Mines, dated: 27.09.2023.
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 26.09.2023
21.	Project Cost (excluding EMP cost)	:	Rs. 60,69,457
22.	EC Recommendation	:	Validity
			30 years subject to the following upper limits. Multi – Colour Granite
		:	Max Total RoM in m ³
			ROM - 50,000m ³ , Granite Recovery @ 35% - 17,500m ³ & Granite Waste @ 65% - 32,500m ³
		:	Annual Max RoM in m ³
			ROM - 11,250m ³ , Granite Recovery @ 35% - 3,938m ³ & Granite Waste @ 65% - 7,313m ³
		:	Max Depth in mtrs
			50m BGL
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 207.53 Lakhs Recurring Cost – Rs. 12.55 Lakhs
24.	CER cost (in Rs. Lakhs).	:	Rs. 5,00,000


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Now the proposal was placed in 443rd SEAC meeting held on 08.02.2024. 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 **ROM - 11,250m³, Granite Recovery @ 35% - 3,938m³ & Granite Waste @ 65% - 7,313m³** by maintaining the ultimate depth of mining up to **50m Below Ground Level** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a **maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
3. The proponent shall not carry out even the mild blasting technique and practice only the **non-explosive techniques** to remove the overburden and in all other cases wherever mild blasting is required.
4. The PP shall furnish the photographic & video evidences for the tall metal fencing being installed at the periphery of the mine lease at the time of obtaining the CTO from the TNPCB.
5. The PP shall ensure the safety provisions as stipulated in the DGMS Circular No:02, dated. 29.11.2019 while using the Diamond Wire Saw machines in the proposed quarry operation.
6. The PP shall adopt only non-explosive technique (Rock Breaking Compounds) for the fracturing of granite blocks ensuring the eco-friendly mining operation in the proposed quarry.


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7. To ensure the conditions of occupational safety, health & welfare status of persons working in the mine, the PP shall annually conduct occupational health survey to determine prevalence of Noise Induced Hearing Loss (NIHL) due to the operation of Diamond Wire Saw cutting & other HEMMs deployed in the mine and to prepare a plan for hearing conservation programme by involving anyone of the reputed institutes -Regional Occupational Health Centre (Southern) of ICMR-National Institute of Occupational Health, Bengaluru, National Institute of Miners' Health, Nagpur and Anna University, Chennai.
8. The PP shall properly provide all the required welfare amenities near quarry such as Drinking water, Rest Shelter, Canteen, Toilets, etc for the persons to be employed in the proposed quarry before the execution of lease, in accordance with the provisions of the Mines Rules, 1955.
9. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 4th year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
10. The PP shall deposit the amount of Rs. 1 lakh to the Department of Mining Engineering, Anna University, Chennai to carry out the 'Star Rating' valuation of the above Granite mine at the end of every year from the commencement of mining operations, before obtaining the CTO from the TNPCB.
11. 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, Ottapatti, Ayodyapattinam, Salem District before obtaining CTO from TNPCB.


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Agenda No:443-06

(File No.8216/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.97.5 Ha at S.F.No. 154/1A (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru. M. Vijayakumar - For Environmental Clearance. (SIA/TN/MIN/191076/2021, dated: 02.01.2021).


The proposal was placed in the 443rd meeting of SEAC held on 08.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, **Thiru. M. Vijayakumar**, has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 0.97.5Ha at S.F.No. 154/1A (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu.
2. The project proponent has submitted an application under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed 396th SEAC meeting held on 28.07.2023. Based on the presentation and documents furnished by the project proponent, the Committee, after deliberations decided that the proponent shall obtain a clarification from the Deputy Director, Dept. of Geology and Mining on the inconsistencies in his cluster letter dated.07.12.2020 as stated in the minutes.
4. Subsequently, the proponent vide letter dated.09.01.2024 submitted a revised cluster letter dated.08.01.2024 obtained from Deputy Director, Dept. of Geology & Mining.

5. In view of the above, the proposal is again placed in this 443rd SEAC meeting.

During the meeting, the Committee noted that as per the revised cluster letter of Deputy Director dated.08.01.2024 (attached below), the total extent of quarries located within 500m radius from the proposed project site is 5.68.50 Ha (> 5 Ha). Hence, the Committee ascertained that the proposal falls under 'B1' category as per EIA Notification 2006 and its subsequent amendments.


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From: **Thiru A Perumal, M.Sc., M.Phil.**
 Deputy Director
 Dept. of Environment and Mining
 Tiruppur

To: **Thiru M. V. Sankaranarayanan**
 S. 123, C. 1, 1st Main Road, 1st Floor,
 Chinnai, Tiruppur District-637 002

R.E. No. 999/2020/Misc Dated: 01.2024

1. M. V. Sankaranarayanan, S. 123, C. 1, 1st Main Road, 1st Floor, Chinnai, Tiruppur District-637 002, has applied for the grant of a lease for the purpose of setting up a small scale industrial unit in the area of the Chinnai village, Tiruppur District.

2. The application is accompanied by the following documents:

- a) A site plan showing the location of the proposed unit.
- b) A letter from the Grama Panchayat, Chinnai, Tiruppur District, in support of the application.
- c) A letter from the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, in support of the application.

3. The application is being considered by the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, and the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, is requested to submit a report on the application.

4. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

5. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

6. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

7. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

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9. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

10. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

11. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

12. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

13. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

14. The report should be submitted to the Tiruppur District Milk Producers' Cooperative Societies Union Ltd., Tiruppur, by the date of receipt of this order.

Existing queries

No.	Sl. No.	Ref. No.	Ref. Date	Ref. Subject	Ref. Status	Ref. Remarks
1	1	1	1	1	1	1

Existing queries

No.	Sl. No.	Ref. No.	Ref. Date	Ref. Subject	Ref. Status	Ref. Remarks
1	1	1	1	1	1	1

Proposed queries

No.	Sl. No.	Ref. No.	Ref. Date	Ref. Subject	Ref. Status	Ref. Remarks
1	1	1	1	1	1	1

Dep. Dir. Env.
 Tiruppur District
 Tiruppur

Copy to:
 The Chairman
 State Level Environment Impact
 Assessment Authority, Tiruppur
 Tiruppur

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Further, the proponent stated that he wishes to withdraw the current proposal submitted under 'B2' category and requested to accept the proposal submitted under 'B1' category seeking ToR vide Proposal No. SIA/TN/MIN/461066/2024 Dated:07.02.2024.

The Committee, after deliberations decided to accept the request of the proponent to withdraw the proposal submitted under 'B2' category and decided that the proposal submitted under 'B1' category shall be processed.

Agenda No:443-07

(File No: 10005/2023)


Proposed rough stone quarry lease over an extent of 2.67.0 Ha at S.F.No. 1365/2, 1365/3 & 1365/4 (Part) of Anjehalli Village, Pennagaram Taluk, Dharmapuri District, Tamilnadu by Tmt.P.Rathna – For Environmental Clearance .

(SIA/TN/MIN/426424/2023 dated 24.04.2023)

The proposal was placed in the 433rd SEAC meeting held on 08.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, **Tmt.P.Rathna** has applied for Environmental Clearance for the Proposed rough stone quarry lease over an extent of 2.67.0 Ha at S.F.Nos. 1365/2, 1365/3 & 1365/4 (Part) of Anjehalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed in the 388th SEAC meeting held on 30.06.2023. Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:
 - i) The PP shall obtain **NBWL clearance** since the Cauvery South Wildlife Sanctuary is located within the ESZ of 10 Km from the proposed project site.


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- ii) The proponent shall furnish the revised 500m cluster certificate obtained from the competent authority by indicating the list of Existing, Abandoned and Proposed Quarries in the lease area.
4. Subsequently, the proponent vide letter dated.18.01.2024, submitted a reply to the queries raised by SEAC in its 388th meeting.
5. In view of the above, the proposal is again placed in this 443rd SEAC meeting.
- The details of the reply furnished by the proponent is as follows:

S.NO	SEAC QUERY	PP REPLY
1.	The PP shall obtain NBWL clearance for Cauvery south wildlife Sanctuary, vide, is located within the ESZ of 10Km from the proposed project site.	Applied for NBWL Clearance.
2.	The Proponent shall furnish the revised 500m cluster certificate obtained from the list of Existing, Abandoned and Proposed Quarries in the lease area.	Revised 500m Radius letter were enclosed.

Based on the reply furnished by the proponent, the Committee noted that the proponent has not furnished the NBWL clearance for Cauvery South wildlife Sanctuary as indicated in the 388th SEAC meeting. Hence, the Committee decided to take up the proposal for discussion after the submission of NBWL Clearance by the proponent.

Agenda No: 443 - 08

(File No: 10475/2023)

Proposed Rough stone & Gravel Quarry over an extent of 3.28.0Ha at SF.Nos. 272/2A, 2B, 2C and 2D of Chettikurichi Village, Kayathar Taluk, Thoothukkudi District, Tamil Nadu by Thiru.S.Kandasamy - For Terms of Reference.

(SIA/TN/MIN/447362/2023, Dated:07.10.2023)

Earlier the proposal was placed in the 423rd SEAC Meeting held on 15.11.2023. The SEAC noted that the project proponent has not attended the meeting. Hence the subject


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was not taken up for discussion and the project proponent shall furnish the reason for his absence.

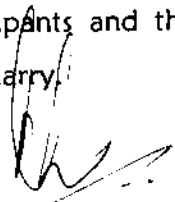
The SEAC noted the following:

1. The Project Proponent, Thiru.S.Kandasamy has applied for Terms of Reference for the Proposed Rough stone & Gravel Quarry over an extent of 3.28.0Ha at SF.Nos. 272/2A, 2B, 2C and 2D of Chettikurichi Village, Kayathar Taluk, Thoothukkudi District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is for 5 years. The mining plan is for the period of five years & the production should not exceed 3,01,678m³ of rough stone & 80,448m³ of Topsoil & Gravel with an ultimate depth of mining is 34m BGL. The annual peak production is 61,150m³ of rough stone & 32,536m³ of Topsoil & Gravel.

Now the proposal was placed in the 443rd SEAC meeting held on 08.02.2024. Based on the presentation made by the proponent, **SEAC decided to recommend for grant of Terms of Reference (ToR) with Public Hearing**, subject to the following ToRs, and subject to the standard conditions as per the **Annexure I** of this minute, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The PP shall furnish ownership details of all survey numbers in EIA report.
2. The PP shall submit the 'Action Plan' on the issues raised during the Public Hearing with budgetary provisions for the same.
3. The PP shall submit the controlled blasting measures for reducing the impacts due to the blasting operation in the proposed quarries within 1 km of the proposed quarry.
4. The PP shall submit a 'Conceptual Mining Plan' indicating the accessible ramp from the surface to the pit bottom keeping the benches intact for the dimension as stipulated in the Approved Mining Plan.
5. The PP shall submit the nature of buildings/structures, occupants and their profession, etc located within 500 m radius of the proposed quarry.


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Agenda No: 443-09

(File No: 9548/2022)

Proposed Rough stone & Gravel quarry lease over an extent of 1.40.86 Ha in SF. Nos. 473/1A2, 473/1B and 474/3D2 of Ayacode Village, Thiruvattar Taluk, Kanniyakumari District, Tamil Nadu by Thiru.N.Mathias - For Environmental Clearance.

(SIA/TN/MIN/405316/2022, Dated:04.11.2022).

Earlier, the proposal was placed in 362nd SEAC meeting held on 13.03.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.N.Mathias has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.40.86Ha in S. F. Nos. 473/1A2, 473/1B and 474/3D2 of Ayacode Village, Thiruvattar Taluk, kanniyakumari 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 and document furnished by the project proponent, SEAC noted certain non-compliance by the PP in the existing EC issued. Hence, decided to seek the following details from the project proponent.

- (i) The PP shall complete fencing, tree plantation and the video proof of the same shall be submitted.
- (ii) The PP shall complete installation of solar panels.
- (iii) The PP shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai shall be furnished.
- (iv) The PP shall submit a copy of insurance scheme made for the employees.
- (v) The PP shall stipulate the proposed conservation measures for the sanctuary located nearby with the consultation of the concerned DFO.
- (vi) The PP shall submit the Slope Stability Action Plan approved by the concerned AD (Mines & Geology).

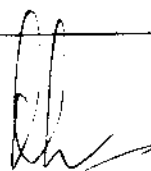

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Now the proposal was placed in the 443rd SEAC meeting held on 08.02.2024. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

S.No	SEAC Query	Reply
1.	The PP shall complete fencing, tree plantation and the video proof of the same shall be submitted.	The video proof for fencing and greenbelt has submitted. Photographs has attached.
2.	The PP shall complete installation of solar panels.	Complied. Photo proof of the same is enclosed in slide no:6.
3.	The PP shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure reported to the MoEF& CC Ministry and its Integrated Regional Office (IRO) located in Chennai shall be furnished.	The funds earmarked for environmental protection measures were only used for the same purpose. No details were submitted to MoEF & CC Ministry and its Integrated Regional office (IRO) Regarding year-wise expenditure. We hereby undertake that we will strictly comply this in future.
4.	The PP shall submit a copy of insurance scheme made for the employees.	The insurance copy of the employees has submitted. The same has attached in slide no:7 &8.
5.	The PP shall stipulate the proposed conservation measures for the sanctuary located nearby with the consultation of the concerned DFO.	I have submitted an affidavit for the budget allocation for the conservation measures of Kanyakumari wildlife sanctuary, located 4.16Km (NE).
6.	The PP shall submit the Slope Stability Action Plan approved by the concerned AD (Mines & Geology).	We have conducted Slope stability survey and submitted report approved AD (Mines & Geology).


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File No	9548/2022		Category	82
	SIA/TN/MIN/405316/2022, Dated:04.11.2022			
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru.N.Mathias S/o. Nesamani, Mathoor Aruvikarai (P.O), Kanniyakumari 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	:	473/1A2, 473/1B and 474/3D2	
4.	Village in which situated	:	Ayacode	
5.	Taluk in which situated	:	Thiruvattar	
6.	District in which situated	:	kanniyakumari	
7.	Extent of quarry (in ha.)	:	1.40.86Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	08°20'00.78"N to 08°20'06.61"N 77°19'10.80"E to 77°19'15.65"E	
9.	Topo Sheet No.	:	58- H/07	
10.	Type of mining	:	Opencast Semi-mechanized Mining	
11.	Life of Project	:	5 Years	
	Lease Period	:	5 Years	
	Mining Plan Period	:	5 Years	
12.	Mining Plan Details	:	As per approved Mining Plan	
		:	Rough stone	Gravel
	Geological Resources m³	:	3,49,900m³	13,996m³
	Minable Resources m³	:	98,040m³	1,230m³
	Annual Peak Production in m³	:	20,500m³	1,230m³

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	Maximum Depth in meters	:	41m (16m AGL + 25m BGL)		
13.	Depth of water table	:	66m BGL		
14.	Man Power requirement per day:	:	16 Employees		
15.	Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt	:	2.0 KLD 1.0 KLD 0.5 KLD 0.5 KLD		
16.	Power requirement	:	78,637 litres of HSD for the entire period of life		
17.	Precise area communication approved by the Deputy Director, Department of G&M.	:	Rc.No.21/G&M/2021, Dated:07.07.2022.		
18.	Mining Plan approved by Deputy Director, Department of G&M.	:	Roc.No.21/G&M/2021, Dated:14.07.2022.		
19.	500m Cluster Letter approved by the Deputy Director, Department of G&M.	:	Rc.No.21/G&M/2021, Dated:14.07.2022.		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:06.09.2022		
21.	Project Cost (excluding EMP cost)	:	Rs.52,45,160/-		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough stone	Gravel
		:	Max Total in m ³	98,040 m ³	1,230m ³
		:	Annual Max in m ³	20,500 m ³	1,230m ³

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		Max Depth in mtrs	41m (16m AGL + 25m BGL)
23.	EMP cost (in Rs. Lakh).	Rs.60,02,822	
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 **20,500m³ of Rough stone and 1,230m³ of Gravel** by maintaining the ultimate depth of mining up to **41m (16m AGL + 25m BGL)** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The PP shall 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. The PP shall ensure that the transportation of minerals shall not be carried out through the village road passing near the school premises.
4. The PP shall appoint a statutory Mine Manager possessing the I / II Class Mines Manager Certificate of Competency (R/UR) under MMR 1961 before executing the lease and a copy of such appointment shall be sent to the DMS/Chennai Region atleast 30 days before the commencement of the mining operations without fail.
5. The PP shall not carry out the deep hole larger diameter blasting and the secondary blasting of oversize fragments /boulders during the life of the lease period.
6. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of one year from the commencement of


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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.

7. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
8. 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.
9. 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 within a period of one year from the commencement of mining operations for evaluating the slope stabilization & protective measures at the ultimate pit limits, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.


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10. 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 Government Primary School, Kurakkudi before obtaining CTO from TNPCB.

Agenda No: 443- 10

(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 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 SF.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 of Minerals 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.

Now the proposal was placed in the 443rd SEAC meeting held on 08.02.2024. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

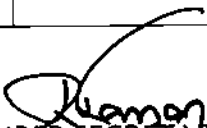
S. No	SEAC Query	Reply
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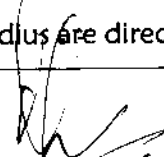

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1	The PP shall furnish the details of agricultural activities undertaken around 1km from the project site.	<ul style="list-style-type: none"> • Based on field investigation and Land Use & Land Cover study (2nd level classification), it is inferred that 1km radius of the proposed site i.e., around 3.93 sq.km in which 24.43% of the area (0.96 sq.km) is used for seasonal agriculture activities and the crops are Corn, Sunflower, millets etc. • Due to quarrying activities, there may be chances of dust sedimentation on the nearby agriculture fields. Hence, it is proposed to construct windscreen of length 100m on western side of the lease area to avoid dust sedimentation in addition to the water sprinkling.
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.	As per the enumeration study, there are 21 structures located within 500m radius from the proposed quarry site, in which 67% of the structures are located beyond 200m and remaining 33% are located within 0-200m range (There are no structures within 0-50m range), Only 6 houses are located within 500m range which are belongs to PP's relatives and nearby crusher and quarry owners. 500m radius zone of the applied area is observed with many crushing and quarrying unit, hence the usage of structures within 500m radius are directly


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		related to quarrying and crushing activities and the same is not the residential settlement.
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File No	10342/2023 SIA/TN/MIN/439390/2023, Dated: 12.08.2023	Category	B2
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	Thiru.P.Albert S/o. Pitchai, : No.14/1A, Aandal Street, Ayyappa Nagar, Tiruchirappalli-620 021.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	: Rough stone quarry	
3.	S.F Nos. of the quarry site with area break-up	: 680/3(P) And 680/5	
4.	Village in which situated	: Poolancheri	
5.	Taluk in which situated	: Musiri	
6.	District in which situated	: Tiruchirappalli	
7.	Extent of quarry (in ha.)	: 2.69.8Ha	
8.	Latitude & Longitude of all corners of the quarry site	: 11°03'06.36"N to 11°03'15.22"N 78°24'02.04"E to 78°24'05.93"E	
9.	Topo Sheet No.	: 58- 1/08	
10.	Type of mining	: Opencast Semi-mechanized Mining	
11.	Life of Project	: 5 Years	
	Lease Period	: 5 Years	


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	Mining Plan Period	:	5 Years
12.	Mining Plan Details	:	As per approved Mining Plan
		:	Rough stone Topsoil
	Geological Resources m ³	:	8.08,080m ³ 26.936m ³
	Minable Resources m ³	:	2,94,820m ³ 1,848m ³
	Annual Peak Production in m ³	:	20,300m ³ 1,320m ³
	Maximum Depth in meters	:	11m BGL
13.	Depth of water table	:	50m BGL
14.	Man Power requirement per day:	:	22 Employees
15.	Water requirement:		6.0 KLD
	1. Drinking water & Utilized water	:	2.0 KLD
	2. Dust suppression	:	2.0 KLD
	3. Green belt	:	2.0 KLD
16.	Power requirement	:	Nil
17.	Precise area communication approved by the Assistant Director, Department of G&M.	:	Na.ka.No.762/2022/kanimam, Dated:31.03.2023.
18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Rc.No.762/2022/Mines, Dated:10.04.2023.
19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	:	Rc.No.762/2022/Mines, Dated:10.04.2023.
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:22.05.2023
21.	Project Cost (excluding EMP cost)	:	Rs. 60,68,800/-
22.	EC Recommendation	:	Validity 30 years subject to the following upper limits.

			Rough stone
		: Max Total in m ³	1,00,830m ³
		: Annual Max in m ³	20,300m ³
		: Max Depth in mtrs	11m BGL
23.	EMP cost (in Rs. Lakhs)	: Rs.169.98 Lakhs	
24.	CER cost (in Rs. Lakhs)	: Rs. 8 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 **20,300m³ of Rough stone and by maintaining the ultimate depth of mining up to 11m BGL** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to **a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.**
2. The PP shall 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. The PP shall ensure that the transportation of minerals shall not be carried out through the village road passing near the school premises.
4. The PP shall appoint a statutory Mine Manager possessing the I / II Class Mines Manager Certificate of Competency (R/UR) under MMR 1961 before executing the lease and a copy of such appointment shall be sent to the DMS/Chennai


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Region atleast 30 days before the commencement of the mining operations without fail.

5. The PP shall not carry out the deep hole larger diameter blasting and the secondary blasting of oversize fragments /boulders during the life of the lease period.
6. **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.
7. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
8. 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.
9. 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 within a period of one year from the commencement of mining operations for evaluating the slope stabilization & protective measures at the ultimate pit limits, 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.

10. 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 Govt High School, Paappapatty Village before obtaining CTO from TNPCB.

Agenda No: 443- 11

(File No: 10454/2023)

Proposed Rough Stone quarry lease over an extent of 1.03.0 Ha in S. F. Nos. 1840/1G, 1840/1J, 1840/1K, 1840/1L, 1840/2A, 1840/2B, 1840/2C and 1840/2G of Timmarasanaickanur Bit-II Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru.K. Jeganathan - For Environmental Clearance.

(SIA/TN/MIN/432760/2023, Dated 09.06.2023).

Earlier the proposal with file no. 8913 was placed in 278th Meeting of SEAC held on 27.05.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.K.Jeganathan has applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.03.0 Ha in S. F. Nos. 1840/1G, 1840/1J, 1840/1K, 1840/1L, 1840/2A, 1840/2B, 1840/2C and 1840/2G of Timmarasanaickanur Bit-II Village, Andipatti Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 52,639m³ of Rough Stone.


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The annual peak production 11170m³ of Rough Stone (5th year). The ultimate depth – 26m BGL.

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.

Now, the PP has applied new application no.10454 stating that, as per the MOEF & CC final notification for Megamalai Wildlife Sanctuary vide S.O.3651 (E) dated 10.10.2019, from the proposed quarry site, the Megamalai Wildlife Sanctuary is located at the distance of 8.75 km (S) and the Eco- Sensitive Zone of Megamalai Wildlife Sanctuary is located at a distance of 1.7 km. Since, there is no final notification for SMTR (Srivilliputhur Megamalai Tiger Reserve), the Eco- Sensitive Zone of Megamalai Wildlife Sanctuary is applicable for SMTR (Srivilliputhur Megamalai Tiger Reserve). Considering this, our proposed quarry site is located outside the Eco-Sensitive Zone of SMTR.

The proposal was placed in 429th SEAC meeting held on 13.12.2023. 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.

Now the proposal was placed in the 443rd SEAC meeting held on 08.02.2024. 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: 443-12

(File No: 9303/2022)

Proposed Ordinary Earth quarry lease over an extent of 1.82.5 Ha at S.F.No. 223/2 of Iruvell Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. R. Ahamed Dhas - For Environmental Clearance.

(SIA/TN/MIN/276432/2022, Dated: 03.06.2022)


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The proposal was placed for appraisal in this 443rd meeting of SEAC held on 08.02.2024. 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, Thiru. R. Ahamed Dhas has applied seeking Environmental Clearance for the Ordinary Earth quarry lease over an extent of 1.82.5 Ha at S.F.No. 223/2 of Iruveli Village, Kadaladi Taluk, Ramanathapuram 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 1 year. The mining plan is for the period of 1 year & the production should not exceed 29,340 m³ of Ordinary Earth for the ultimate depth of 2m below ground level.
4. Earlier, the proposal was placed for appraisal in the 323rd meeting of SEAC held on 20.10.2022. Based on the presentation and the documents furnished by the Proponent, the SEAC directed the Proponent to furnish the following details:
 - (i) Mineral composition of soil collected at the site in the presence of by the EIA Coordinator following the protocol for soil collection and the result to be certified by the concerned AD (Geology & Mining).On receipt of the aforesaid details, the proposal will be considered for further deliberations.
5. The proposal was again placed in the 430th meeting of SEAC held on 14.12.2023. 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.
6. In the approved mine plan, name of the mineral has been changed as "Ordinary Earth" instead of "Red Earth" and got approved from the Dept. of Geology and Mining vide Roc. No. 14/G&M/2022, Dated. 17.11.2023.


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On the receipt of aforesaid details, the proposal was again placed in the 443rd meeting of SEAC held on 08.02.2024. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.


S.No	SEAC Query	Reply
1.	Mineral composition of soil collected at the site in the presence of by the EIA Coordinator following the protocol for soil collection and the result to be certified by the concerned AD (Geology & Mining).	Proponent obtained Mineralogical composition report from IREL, Kollam and also from Department of Geology, University of Madras.

The salient features of the proposal are as follows:

File No	9303 / 2022	Category	B2 / 1(a)
Sl. No	Salient Features of the Proposal		
1	Name of the Owner/Firm	:	Thiru. R. Ahamed Dhas, S/o. Room Batcha, No.13/36, Iruveli Village, Kadaladi Taluk, Ramanathapuram District - 623 120.
2	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Ordinary Earth
3	S.F Nos. of the quarry site with area break-up	:	223/2
4	Village in which situated	:	Iruveli
5	Taluk in which situated	:	Kadaladi
6	District in which situated	:	Ramanathapuram
7	Extent of quarry (in ha.)	:	1.82.5 Ha
8	Latitude & Longitude of all corners of the quarry site	:	09°10'16.74"N to 09°10'22.65"N 78°24'47.13"E to 78°24'51.23"E

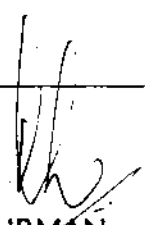

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9	Topo Sheet No.	: 58 – K/02	
10	Type of mining	: Opencast Shallow Mining	
11	Life of Project	: 1 year	
	Lease Period	: 1 year	
	Mining Plan Period	: 1 year	
12	Mining Plan Details	: As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	: Ordinary Earth 36,500 m ³	Ordinary Earth -
	Minal Resources m ³ (RoM)	: Ordinary Earth 29,340 m ³	Ordinary Earth -
	Annual Peak Production in m ³	: Ordinary Earth 29,340 m ³	Ordinary Earth -
	Ultimate Depth in meters	: 2m below ground level	-
13	Depth of water table	: 15m	
14	Man Power requirement per day:	: 7 Nos.	
15	Water requirement	: 2.75 KLD	
16	Power requirement	: 4890 Liters of HSD	
17	Precise area communication approved by Assistant Director (i/c), Department of G&M	: Roc.No.G&M/14/2022, Dated:14.03.2022	
18	Mining Plan approved by Assistant Director (i/c), Department of G&M	: Roc.No.14/G&M/2022, Dated:29.03.2022	
19	Department of G&M, Assistant Director (i/c) 500m Cluster Letter	: Roc.No.14/G&M/2022, Dated:01.04.2022	


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20	VAO Certificate Regarding Structures within 300m Radius	:	Letter furnished
21	Project Cost (excluding EMP cost)	:	Rs. 10,64,000/-
22	EC Recommendation	:	Validity
		:	1 year subject to the following upper limits.
		:	Ordinary Earth
		:	Max Total RoM in m ³
		:	29,340 m ³
		:	Annual Max RoM in m ³
		:	29,340 m ³
		:	Ultimate Depth in mtrs
		:	2m below ground level
23	EMP cost (in Rs. Lakh).	:	Rs. 1,30,000/-
24	CER cost (in Rs. Lakh).	:	Rs. 1,00,000/-

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 production quantity of 29,340 m³ of Ordinary Earth & the ultimate depth of mining upto 2m below ground level for a period of 1 year only** 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 1 year from the date of issue of EC.
- 2) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.


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- 3) The PP shall install the tall wind sheets around the lease boundary directing the structures located nearby and water shall be sprayed frequently so as to arrest the dust pollution.
- 4) The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
- 5) The PP shall carry out the required number of plantations as committed in the EMP without deviation before obtaining the CTO from the TNPCCB.
- 6) The PP shall not carry out drilling & blasting operations in the proposed quarry.
- 7) The PP shall install a bio-toilet for the convenience of the workmen before obtaining the CTO from the TNPCCB.
- 8) As accepted by the Project Proponent the CER cost of **Rs. 1 Lakh** and the amount shall be spent for the activities as committed towards Govt. Girls Hr. Sec. School, Sayalgudi, Kadaladi Taluk, Ramanathapuram District, before obtaining CTO from TNPCCB.

Agenda No: 443 – 13.

File No: 6623/2023

Proposed Existing Black Granite (Dolerite) Quarry over an extent of 1.20.0Ha at S.F.No.312/1A, 312/1C1, 312/1D1A & 312/1D2 of Kalugondanpalli Village, Denkanikottai Taluk and in S.F.No.387/1 of Muduganapalli village in Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.M.Chinnu - For Environmental Clearance (Under Violation Category). (SIA/TN/MIN/235351/2021 Dt. 27.10.2021)

Earlier, this proposal was placed in 256th SEAC meeting held on 24.03.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Chinnu has applied for Environmental Clearance for the proposed Existing Black Granite (Dolerite) Quarry over an extent of 1.20.0 Ha at S.F.No.312/1A, 312/1C1, 312/1D1A & 312/1D2 of Kalugondanpalli Village, Denkanikottai Taluk and in S.F.No.387/1 of Muduganapalli village in Hosur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining


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Projects" of the Schedule to the EIA Notification, 2006.

3. ToR issued vide Lr.No.SEIAA-TN/F.No.6623/ToR-568/2018 dated 07.08.2018.
4. MoEF&CC OM Dt: 12.11.2020.
5. G.O. (3D) No.15 Industries (MME-II) Department Dt: 29.01.2007 for the period of 20 Years.
6. Mining Lease for the period of 20 Years from 24.04.2007 to 23.04.2027.
7. Approved Scheme of Mining plan for the period 2022 – 2027 vide Lr. No. 2265/MM4/2023, Dt: 04.04.2023 for the production quantity is **29642 m³ of ROM including 5928 m³ of Black Granite (Production 20%) & 23714 m³ of Granite Waste (Reject 80%) for the ultimate depth of mining up to 19m BGL.**

Based on the presentation and documents furnished by the project proponent, SEAC noted Public hearing was mandatory as per ToR vide Lr.No. SEIAA-TN/F.No.6623/ToR-568/2018 dated 07.08.2018, but SEAC found that public hearing was not carried out for this project. The Committee, therefore, decided to direct the PP to conduct public hearing, revise EMP based on public hearing and submit the details for taking up appraisal.

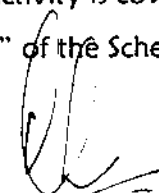
Subsequently, the proposal was placed in 500th SEIAA meeting held on 18.04.2022. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent.

In this connection, the project proponent furnished reply dt: 19.04.2023. The proposal was again placed in the 386th SEAC meeting held on 23.06.2023. Based on the presentation made and documents furnished by the project proponent, the SEAC decided to constitute a Sub Committee to make an on-site inspection to assess the present status of the project site and environmental settings as the proposal falls under violation category and submit the report along with the recommendations to the Committee.

Further the Committee called for the following additional details:

1. A letter from the Project Proponent justifying that the project activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.


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2. Copy of review of scheme of mining plan approved by the competent authority of the Dept of Geology and Mining for the proposed period of quarrying.
3. The PP shall furnish the copy of receipt of the penalty levied by the Dept of Geology and Mining for the exploitation of mineral without prior EC.

Meanwhile, the SEAC decided to constitute a sub-committee to make on-site inspection to assess the present status of the proposed project, environmental settings and **to assess ecological damage assessment whether it is being carried out in accordance with MoEF & CC Guidelines** in case of specifying the remediation plan, natural resource augmentation and community resource augmentation.

After the receipt of the additional details from the proponent and the evaluation report by the Sub-committee, the SEAC will deliberate on the issue of Environmental Clearance under violation category. SEAC also decided to request SEIAA-TN to initiate action under Sec. 19 of the Environment (Protection) Act, to be taken for violation cases, in accordance with law.

Subsequently, this proposal was again placed **636th** authority meeting held on **10.07.2023**. The Authority noted the decision of **386th** SEAC meeting held on **23.06.2023**. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on **23.06.2023**.

Subsequently, the SEAC in its **405th** meeting held on **31.08.2023**, has decided that site inspections, hereafter, shall be carried out only in rare cases where only site-inspection alone can bring out the truth regarding site conditions. This will also enable the Committee to expedite the compliance process in accordance with the timeline prescribed by EIA Notification, 2006.

Again, this proposal was placed in **422nd** SEAC meeting held on **09.11.2023**. Based on the presentation made and documents furnished by the project proponent, the SEAC decided to Call for certain additional particulars.

- 1) Revised Chapter 13 for assessment of cost for Ecological Damage Remediation, Natural Resource Augmentation Plan, & Community Resource Augmentation


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Plan and along CPCB methodology for calculation of Environmental Compensation.

II) NOC from Dept. Geology & Mining in regard to remittance of Penalty for continuing mining operation without EC after 15.01.2016.

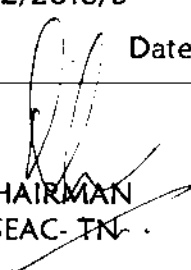
Subsequently, the Authority noted that the subject was appraised in the 422nd SEAC meeting held on 09.11.2023. Based on the presentation made and documents furnished by the project proponent, the SEAC decided to Call for certain additional particulars as stated therein.

In view of the above, the Authority accepted the decision of SEAC and decided to request Member Secretary, SEIAA to communicate the minutes of 422nd SEAC meeting to the project proponent. The project proponent furnished reply on 04.01.2024.

Again the proposal was placed in 443rd SEAC meeting held on 08.02.2024. During the SEAC meeting the PP and EIA coordinator furnished reply for the additional particulars sought as follows

S.No.	442 nd SEAC Query	Reply
1.	Revised Chapter 13 for assessment of cost for Ecological Damage Remediation, Natural Resource Augmentation Plan, &Community Resource Augmentation Plan and along CPCB methodology for calculation of Environmental Compensation.	Chapter 13 has been revised as per the CPCB Guidelines and Submitted to the SEIAA Office on 29.12.2023. Page No.11
2.	NOC from Dept. Geology & Mining in regard to remittance of Penalty for continuing mining operation without EC after 15.01.2016.	PP has submitted/represented the copy of District Collector, Krishnagiri has imposed penalty Rs. 21,72,133/-vide demand notice vide Rc.No.1042/2018/B-4/Mines Dated


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		<p>19.02.2020 for operating quarry 15.01.2016 to 10.01.2017 and dispatching 60.176 CBM of Black Granite (Dispatching slips issued from 28.04.2016 to 04.10.2016).</p> <p>The PP is yet to remit the penalty.</p>
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As per the Report of the CPCB In-house Committee on Methodology for Assessing Environmental Compensation and Action Plan to Utilize the Fund, Chapter-1 regarding Environmental compensation to be levied on Industrial units

The Environmental Compensation shall be based on the following formula:

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

Where,

EC is Environmental Compensation in ₹

PI = Pollution Index of industrial sector is 80. (As per TNPCB Categorisation of Industries)

N = Number of days of violation took place is 159 days (Violation Start Date – 28.04.2016) & End Date – 04.10.2016) as per District Collector, Krishnagiri demand notice vide Rc.No.1042/2018/B-4/Mines Dated 19.02.2020.

R = A factor in Rupees (₹) for EC is taken as 250.

S = Factor for scale of operation is 0.5 for Small Industry Categorization

LF = Location factor is 1.00

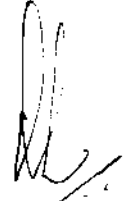
$$EC = 80 \times 159 \times 250 \times 0.5 \times 1.00 = \text{Rs. } 15,90,000/-$$

(or)

$$EC = 10,000 \text{ /day to } 60,000 \text{ /day} \times 159 \text{ days}$$

$$EC = \text{Rs. } 15,90,000/-$$


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Cost estimated as per CPCB In-house Committee on Methodology for Assessing Environmental Compensation in terms of Ecological Remediation Cost, Natural Resource Augmentation Cost, & Community Resource Augmentation Cost for High level damage is

Level of Damage	Ecological Remediation Cost (% of project cost)	Natural Resource Augmentation Cost (% of project cost)	Community Resource Augmentation Cost (% of project cost)	Total
High Level	0.50	0.20	0.30	1.0
Cost of Damage as per project cost	7,95,000	3,18,000	4,77,000	15, 90,000
Cost proposed by EIA coordinator	Rs.4,60,000	Rs.5,50,000	Rs 5,80,000	15, 90,000

The total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost as per CPCB In-house Committee on Methodology for Assessing Environmental Compensation for High - level Ecological damage is Rs. 15, 90,000/-.

Cost Estimated for Remediation Plan		
S. No	Description	Cost
1	Land Reclamation	Rs.1,50,000
2	cost for medical checkup (10 Workers)	Rs.10,000
3	Cost for Plantation around lease boundary	Rs.1,00,000
4	Cost estimated for S1 fencing around lease area	Rs.2,00,000
Total Cost		Rs.4,60,000



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Natural and Community Resource Augmentation Plan		
S. No	Activities	Financial Proposal
1	Development of Rain water harvesting pit in the houses of nearest villages (5 Houses)	Rs.50,000
2	Installation of two numbers 40 watt solar street lamps in the nearby villages One Solar street lamp cost including installation – Rs.25,000	Rs.50,000
3	Plantation in common areas of villages like bus stops, Govt hospitals, VAO offices (200 Trees)	Rs.1,00,000
4	Provision of solar panels arrangements to the houses in the nearest village Total number of houses - 5 No.s Solar panel setting/house - Rs.30,000	Rs. 1,50,000
5	Developing contour bunds and stone barriers in the agricultural field of nearest villages to control the soil erosion	Rs.2,00,000
Total		Rs.5,50,000

Community Resource Augmentation Plan		
S. No	Activities	Financial Proposal
1	Placing cement concrete chairs in bus stops and in public places in nearest villages One concrete chair –Rs.5000	Rs.30,000
2	Providing One 100 LPH R.O Water Plant to nearest Government School, Kalugondapalli village	Rs.50,000


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3.	Provision of Sports materials to nearby two Government schools. Cost allocation for one school – Rs.50,000	Rs.1,00,000
4.	Conducting medical camps by inviting people in the nearest 10 villages.	Rs. 2,00,000
5	Renovation of toilet facility in the Government school of Muduganapalli village.	Rs. 2,00,000
	Total	Rs 5,80,000

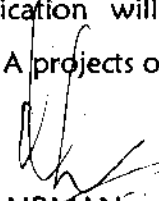
Also the proposed Rs. 3 Lakhs for CER activities as follows

S.No.	Description	Cost (Rs. in Lakhs)
1.	Providing Sanitary Facilities, Library Facilities, Environmental Awareness sign boards, tree plantation and RO Water system to the school located in Kalugoundanpalli Village.	3
	Total CER Cost	3

In view of the above, the SEAC decided to recommend the proposal to SEIAA for grant of Environmental Clearance **under violation category** for the annual peak production capacity shall not exceed 6210 m³ of ROM including 1242 m³ of Black Granite (Production 20%) & 4968 m³ of Granite Waste (Reject 80%) for the ultimate depth of mining up to 19m 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) As per the MoEF & CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by


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the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.

- a) The amount prescribed for Ecological remediation (Rs. 4,60,000), natural resource augmentation (Rs. 5,50,000) & community resource augmentation (Rs. 5,80,000), totalling Rs. **15,90,000/-** shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
 - b) The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not the bank guarantee will be forfeited to TNPCB without further notice.
 - c) The amount specified as CER (Rs. 3 Lakhs) shall be spent for the benefits of the beneficiary before issue of EC for the activities suggested by the SEAC during the appraisal. A copy of receipt from the beneficiary shall be submitted before issue of EC.
 - d) The SEIAA shall initiate the credible action under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per MOEF&CC Notifications Dt: 14.03.2017 & 08.03.2018.
 - e) The project proponent shall submit receipt of remittance of penalty before obtaining EC.
- 2) 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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- 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) The PP shall carryout mining operation without any hindrance to the operation of nearby HT line and shall obtain NOC from competent authority before commencing mining operation in regard to HT line. If any.
- 5) For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry walls in a hilly terrain within a period of six months from the commencement of mining operations for evaluating the slope stabilization & protective measures at the ultimate pit limits, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 6) The PP shall deposit the amount of Rs. 1 lakh to the Department of Mining Engineering, Anna University, Chennai to carry out the 'Star Rating' valuation of the above Granite mine at the end of every year from the commencement of mining operations, before obtaining the CTO from the TNPCB.

Agenda No: 443-14.

File No: 9466/2023.

Proposed Red Earth quarry lease over an extent of 3.40.0HaSF.No.230/2C, 230/2D and 230/2E of Iruveli Village, Kadaladi Taluk, Ramanathapuram District by Thiru.K.Durai Singam- For Environmental Clearance. (SIA/TN/MIN/282885/2022, dt: 08.08.2022)


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Earlier, the proposal was placed in the 324th SEAC meeting held on 21.10.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.K.Durai Singam has applied for Environmental Clearance for the Proposed Red Earth quarry lease over an extent of 3.40.0Ha SF.No.230/2C, 230/2D and 230/2E of Iruveli Village, Kadaladi Taluk, Ramanathapuram District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 1 Year. The approved mining plan is for the period of 1 year & production should not exceed 56036 m3 of OrdinaryEarth. The ultimate depth is 2m BGL.

Sl. No	Details of the proposal	:	Data furnished
1	Name of the Owner/Firm	:	Thiru.K.DuraiSingam, S/o. Krishna Devar, S.Keerthanai Village, Kadaladi Taluk, Ramanathapuram District
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Ordinary Earth
3	S.F No. Of the quarry site with area break-up	:	230/2C, 230/2D and 230/2E
4	Village in which situated	:	Iruveli
5	Taluk in which situated	:	Kadaladi
6	District in which situated	:	Ramanathapuram
7	Extent of quarry (in ha.)	:	3.40.0Ha
8	Latitude & Longitude of all corners of the quarry site	:	09°10'20.15"N to 09°10'31.47"N 78°25'10.26"E to 78°25'16.14"E
9	Topo Sheet No.	:	58 – K/08



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10	Type of mining	Opencast Semi-Mechanized of Mining
11	Period of quarrying proposed	: 1 Year
12	Production (Quantity in m ³)	:
	Geological Reserve	68000m ³ of Ordinary Earth
	Mineable Reserve	56036 m ³ of Ordinary Earth
13	Depth of quarrying	: 2m BGL
14	Depth of water table	: 30m BGL
15	Man Power requirement per day:	7 Nos.
16	Source of Water Requirement	water vendors
17	Water requirement:	: 2.9 KLD
	1. Drinking & domestic purposes (in KLD)	1.5 KLD
	2. Dust suppression, Green Belt & Wet Drilling (in KLD)	1KLD
18	Power requirement	
	a. Domestic Purpose	TNEB
	b. Industrial Purpose	9340Liters of HSD
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by Assistant Director(i/c), Department of Geology and Mining.	: Na.Ka.No.G&M/24/2022, dt: 10.05.2022
21	Mining Plan approved by Assistant Director(i/c), Department of Geology and Mining.	: Rc.No.24/G&M/2022, dt: 16.05.2022.
22	500m cluster letter by Assistant Director(i/c), Department of Geology and Mining.	Rc.No.24/G&M/2022, dt: 13.05.2022


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	Red Earth to Ordinary Earth letter by Assistant Director(i/c), Department of Geology and Mining.	Rc.No.24/G&M/2022, dt: 17.11.2023
	River, Canal, Streams etc letter by Assistant Director(i/c), Department of Geology and Mining.	Rc.No.24/G&M/2022, dt: 08.07.2022
23	VAO certificate regarding 300m radius cluster	Letter dt: 14.06.2022
	Mineral Composition analysis report	Dept. of Geology, University of Madras Dt.09.11.2023. IREL (India) Limited report vide RC:UHO:STE:2018:377 Dt:28.12.2023.
24	Project Cost (excluding EMP cost)	: Rs.19.04Lakhs
25	EMP cost	: Rs.1.30 Lakhs
26	CER cost	Rs. 1Lakhs for the committed activities Government Girls Higher Secondary School, Sayalkudi.

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

1. Report on **mineral composition** analysis of the sample collected from the proposed quarry site indicating its coordinates & survey numbers, in the presence of concerned NABET Consultant / EIA Coordinator in accordance with the procedures as laid for sample collection by the Dept of Geology of Mining. Further the PP shall get the soil tested in any one of the following labs and ensure that the test report carries the certification issued by the concerned Asst. Director (Geology & Mining) on the results of soil composition analysis.

Sl. No	Name of the Laboratory
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1.	Department of Geology, CEG Campus, Anna University, Guindy, Chennai-600025.
2.	Department of Applied Geology, University of Madras, Guindy, Chennai-600025.
3.	Department of Geology, Periyar University, Salem.


2. The proponent should produce a letter from the concerned Asst. Director (Geology and Mining) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and does not fall under any notified/declared protected zones as directed in the aforesaid Judgment issued by the Hon'ble Madurai Bench of Madras High Court.

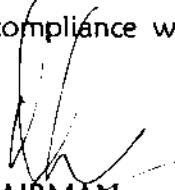
3. Revised CER proposal for Rs.75000/- as recommended by SEAC.

Subsequently, the proposal was placed in 569th authority meeting held on 10.11.2022 & 11.11.2022. The authority noted that this proposal was placed for appraisal in this 324th meeting of SEAC held on 21.10.2022 and the SEAC decided to obtain the certain additional details from the PP as stated therein. The authority after detailed discussions, decided to seek the following additional particulars as follows

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

In this connection, the project proponent furnished reply on 18.11.2023. Again, this proposal was placed 430 SEAC meeting held on 14.12.2023. During the SEAC meeting it was noted that the PP has informed that the EIA coordinator is absent for the meeting. Hence, the SEAC has decided not to take up this proposal for this SEAC appraisal meeting and decided to take up this proposal in the forthcoming SEAC meeting after obtaining reasons from EIA coordinator for not attending the meeting. Also, the PP shall furnish heavy mineral composition from IREL laboratory in compliance with


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Ministry of Mines notification Dt:20.02.2019 along with query raised by SEIAA in the 569th authority meeting held on 10.11.2022.

Subsequently, the proposal was placed in 687th authority meeting held on 09.01.2024 and the authority noted that the subject was appraised in the 430th meeting of SEAC held on 14.12.2023. In this connection, the project proponent furnished reply on 24.01.2024.

Again the proposal was placed in 443rd SEAC meeting held on 08.02.2024. PP has represented the SEAC queries as follows

S.No.	324 th & 430 th SEAC Query	Reply
1.	Report on mineral composition analysis of the sample collected from the proposed quarry site indicating its coordinates & survey numbers, in the presence of concerned NABET Consultant / EIA Coordinator in accordance with the procedures as laid for sample collection by the Dept of Geology of Mining. Further the PP shall get the soil tested in any one of the following labs and ensure that the test report carries the certification issued by the concerned Asst. Director (Geology & Mining) on the results of soil composition analysis.	Dept. of Geology, University of Madras Dt.09.11.2023.
2.	The proponent should produce a letter from the concerned Asst. Director (Geology and Mining) stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and does not fall under any	Rc.No.24/G&M/2022, dt: 08.07.2022


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	notified/declared protected zones as directed in the aforesaid Judgment issued by the Hon'ble Madurai Bench of Madras High Court.	
3.	Revised CER proposal for Rs.75000/- as recommended by SEAC.	Furnished.
4.	Heavy mineral composition from IREL laboratory in compliance with Ministry of Mines notification Dt:20.02.2019.	IREL (India) Limited report vide RC:UHO:STE:2018:377 Dt:28.12.2023.

Based on the presentation & documents furnished and the Committee carefully examined the points raised by SEAC & SEIAA and the replies given by the PP, SEAC decided to recommend the proposal for the **grant of Environmental Clearance for the period of 1 Year and the quantity shall not exceed 56036 m³ of Ordinary Earth and the depth of mining up to 2m BGL for the period of 1 Year from the date of lease execution** subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
2. The PP shall install the tall wind sheets around the lease boundary directing the structures located nearby and water shall be sprayed frequently so as to arrest the dust pollution.
3. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
4. The PP shall carry out the required number of plantations as committed in the EMP without deviation before obtaining the CTO from the TNPCB.


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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. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
7. As accepted by the Project proponent the CER cost is Rs. 1 lakh and the amount shall be spent for the Government Girls Higher Secondary School, Sayalkudias committed, before obtaining CTO from TNPCB.

Agenda No: 443-15

(File No: 10352/2023)

Proposed Rough Stone Quarry over an extent of 1.50.0 Ha at S.F.Nos.58/3(p) of Minnampalli Village, Valapadi Taluk, Salem District, Tamil Nadu by Thiru.J.J.Srinivasan - For Environmental Clearance. (SIA/TN/MIN/431260/2023, Dated: 28.05.2023).

The proposal was earlier placed in the 426th Meeting of SEAC held on 24.11.2023. 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.J.J.Srinivasan has applied for Environmental Clearance for the Proposed Rough Stone Quarry over an extent of 1.50.0 Ha at S.F.Nos.58/3(p) of Minnampalli Village, Valapadi Taluk, Salem District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, Environmental clearance was obtained from DEIAA, vide Lr.No.DEIAA-DIA/TN/MIN/15223/2018-SLM-EC.No.23/2018 dated 10.06.2018 for the Rough Stone Quarry over an Extent of 1.50.0 Ha at S.F.Nos.58/3(p) of Minnampalli Village, Valapadi Taluk, Salem District, Tamil Nadu for the quantity of 5,62,895 cu.m of Rough Stone upto a depth of 56m AGL for the period of 5 years from the date of execution of the quarrying lease period.
4. The quarry lease was granted for a period of ten years. The quarry lease deed


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was executed on 06.01.2019 and the lease period is valid upto 05.01.2029.

5. Existing pit-16m

6. The salient features of the proposed project as follows,

File No	10352		Category	"B2" 1(a)
	SIA/TN/MIN/431260/2023, Dated: 28.05.2023			EC
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru. J.J.Srinivasan, S/o. Jegadeesan, 101B, Kasipadaiyachi Street, Valapadi, Salem District -636 115	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	58/3 (Part)	
4.	Village in which situated	:	Minnampalli	
5.	Taluk in which situated	:	Valapadi	
6.	District in which situated	:	Salem	
7.	Extent of quarry (in ha.)	:	1.50.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	11°41'33.20"N to 11°41'40.27"N 78°16'36.10"E to 78°16'40.66"E	
9.	Topo Sheet No.	:	58 - 1/06	
10	Type of mining	:	Opencast Semi mechanized Mining	
11.	Life of Project	:	5 years 7 months	
	Lease Period	:	10 years (06.01.2019 to 05.01.2029)	
	Mining Plan Period	:	5 years 7 months	


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	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
12	Geological Resources m ³ (RoM)	:	Rough Stone – 4,36,110 m ³	Rough Stone – 4,36,110 m ³
	Minable Resources m ³ (RoM)	:	Rough Stone – 1,38,770 m ³	Rough Stone – 1,38,770 m ³
	Annual Peak Production in m ³	:	Rough Stone – 25,195 m ³	Rough Stone – 25,195 m ³
	Maximum Depth in meters	:	46m AGL	
13	Depth of water table	:	63m -60m BGL	
14	Man Power requirement per day:	:	23 Nos.	
15	Water requirement: 4. Drinking water & Domestic 5. Dust suppression 6. Green belt	:	1.0KLD 0.2KLD 0.5KLD 0.3KLD	
16	Power requirement	:	-	
17	Precise area communication approved by the District Collector.	:	Rc.No.82/2018/Mines-A Dated; 31.03.2018	
18	Mining Plan approved by Deputy Director(i/c), Department of Geology and Mining	:	Rc.No.371/2022/Mines-B Dated;23.06.2023	
19	Deputy Director(i/c), Department of Geology and Mining, 500m Cluster Letter	:	Rc.No.720/2023/Mines-A Dated; 01.08.2023	

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20	VAO Certificate Regarding Structures within 300m Radius		Letter dated:18.07.2023
21	Project Cost (excluding EMP cost)	:	Rs. 46,03,000/-
22	EC Recommendation	:	Validity
			30 years subject to the following upper limits.
			Rough Stone
		:	Max Total RoM in m ³
			1,38,770 m ³
		:	Annual Max RoM in m ³
			25,195 m ³
		:	Max Depth in mtrs
			46m AGL
23	EMP cost (in Rs. Lakh).	:	Capital cost – Rs.22,18,000/- Recurring cost/Annum– Rs. 14,65,052/- Recurring cost for project life -Rs. 106 Lakhs.
24	CER cost (in Rs. Lakh).	:	Rs. 5,00,000 /- as accepted by the PP

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

- The project proponent shall submit a Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai as per the MoEF&CC O.M dated.08.06.2022 for the previous EC dated.10.06.2018 and appropriate mitigating measures for the non-compliance items, if any.

On receipt of the above details, the proposal was again placed in the 443rd Meeting of SEAC held on 08.02.2024. The Committee noted that the Proponent has submitted the Certified Compliance Report obtained vide E.P/12.1/2023-24/SEIAA/104/TN/16 dated:04.01.2024.


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The Committee observed that the Proponent has not complied the following EC conditions,

- Optimum blast parameter and blast design study
- Rainwater harvesting
- Periodic monitoring report
- 400 trees per hectare are not planted
- CSR Activity
- Solar lighting system
- Approval for use of Heavy earth equipment.
- NOC for sanitary certificate.
- A proper bench is not maintained

During the meeting, the Proponent has submitted the proof of appropriate mitigation measures taken for the non-compliance stated in the Certified Compliance Report (CCR) dt: 04.01.2024 and also the Proponent agreed to comply all the EC conditions.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not **exceeding 25,195 m³ of rough stone by maintaining the ultimate depth of mining upto 46m AGL** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

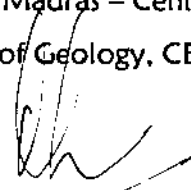
1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a **maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.**
2. Tree plantation & fencing and installation of garland drainage with siltation tank around the mine lease area shall be completed before execution of the mine lease.


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3. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
4. The PP shall furnish the 'Slope Stability Action Plan' including the working methodology from top to downwards with incorporating the benches in the hilly terrain at the time of lease execution with the Competent Authority.
5. 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.
6. **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 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.
7. **Since the waterbodies are situated nearby**, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of six months from the date of lease execution, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG


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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. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
9. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during 2nd year or when the depth of working touches 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
10. As accepted by the Project Proponent the CER cost is **Rs. 5 Lakhs** and the amount shall be spent towards Panchayat Union Primary School, Minnampalli for the activities as committed before obtaining CTO from TNPCB.

Agenda No: 443-16

(File No: 10394/2023)

Proposed Multi Colour Granite Quarry over an extent of 4.95.0 Ha at S.F.Nos.73/1, 73/5A (p), 76/1A, 76/1B, 76/1C, 76/2 & 77/1 of Kilakaduvetti Village, Nanguneri Taluk, Tirunelveli District, Tamil Nadu by M/s. VIBGYOR Minerals Pvt Ltd -For Environmental Clearance. (SIA/TN/MIN/443631/2023, Dated: 08.09.2023).

The proposal was placed in the 427th Meeting of SEAC held on 07.12.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:


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1. The Project Proponent, M/s. VIBGYOR Minerals Pvt Ltd has applied for Environmental Clearance for the Proposed Multi Colour Granite Quarry over an extent of 4.95.0 Ha at S.F.Nos.73/1, 73/5A (p), 76/1A, 76/1B, 76/1C, 76/2 & 77/1 of kilakaduvetti Village, Nanguneri Taluk, Tirunelveli 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 document furnished by the project proponent, SEAC noted that, the Kalakad Mundanthurai Tiger Reserve is located at a distance of 8.0 km and hence the PP shall obtain NBWL clearance, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.

Based on the Proponent's request vide letter dated:10.01.2024, the proposal was again placed in the 443rd Meeting of SEAC held on 08.02.2024. During the meeting, the Proponent had submitted a letter dated:04.01.2024 obtained from the PCCF (HoFF). After detailed deliberations, the committee decided to obtain the following details from the PP.

1. The PP shall obtain NBWL clearance for Kalakad Mundanthurai Tiger Reserve, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.

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


Agenda No: 443-17

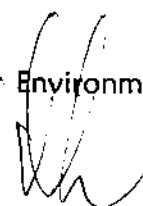
(File No: 9657/2022)

Proposed Rough Stone & Gravel lease over an extent of 1.00.0 Ha at S.F.No's: 35/2 (P) of Agrahara Periyapalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Tmt. K. Subbulakshmi -For Environmental Clearance (SIA/TN/MIN/410939/2022 dt 17.12.2022).

The proposal was earlier placed in the 365th meeting of SEAC held on 24.03.2023. 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, Tmt. K. Subbulakshmi has applied for Environmental


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Clearance for the Proposed Rough Stone & Gravel lease over an extent of 1.00.0 Ha at S.F.No's: 35/2 (P) of Agrahara Periyapalayam Village, Uthukuli Taluk, Tiruppur 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 salient features of the proposed project as follows,

File No	9657		Category	1(a) - B2
	Online Proposal: SIA/TN/MIN/410939/2022 dt 17.12.2022			EC
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Tmt. K. Subulakshmi, W/o. Kanagaraj, No.96(1), Malladiyappan Kovil Street, Govindampalayam, Agrahara Periyapalayam Village, Uthukuli Taluk, Tiruppur District - 641 607.	
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	:	35/2 (P)	
4.	Village in which situated	:	Agrahara Periyapalayam	
5.	Taluk in which situated	:	Uthukuli	
6.	District in which situated	:	Tiruppur	
7.	Extent of quarry (in ha.)	:	1.00.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	11°09'05.9311"N to 11°09'09.5496"N 77° 24'16.5184"E to 77°24'20.9073"E	


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9.	Topo Sheet No.	:	58-E/08	
10	Type of mining	:	Opencast mechanized method of mining	
11.	Life of Project	:	10 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone-2,49,775 m ³	Rough Stone-2,49,775 m ³
		:	Gravel 19,982 m ³	Gravel 19,982 m ³
	Mina ble Resources m ³ (RoM)	:	Rough Stone - 81950 m ³	Rough Stone- 81950 m ³
		:	Gravel 13,280 m ³	Gravel 13,280 m ³
	Annual Peak Production in m3	:	Rough Stone – 7113 m ³	Rough Stone- 6,550 m ³
		:	Gravel 5,440 m ³	Gravel 5,440 m ³
	Maximum Depth in meters	:	27m BGL	22m BGL
13	Depth of water table	:	73m in Summer Season – 68m in Rainy Season	
14	Man Power requirement per day:	:	32 Nos.	
15	Water requirement:		1.2 KLD	
	7. Drinking water			
	8. Utilized Water		0.3 KLD	
	9. Dust suppression		0.3 KLD	
	10. Green belt		0.6 KLD	


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16	Power requirement	TNEB 30,002Liters of HSD		
17	Precise area communication approved by the Assistant Director & Geology and Mining	NA.KA.257/ Kanimam 2022, Dated:01.11.2022		
18	Mining Plan approved by Assistant Director & Geology and Mining	Roc. No. 257/Mines/2022, Dated:22.11.2022		
19	Assistant Director & Geology and Mining, 500m Cluster Letter	Roc. No. 257/Mines/2022, Dated:22.11.2022		
20	VAO Certificate Regarding Structures within 300m Radius	Letter dated: 22.11.2022		
21	Project Cost (excluding EMP cost)	Rs. 30,77,000/-		
22	EC Recommendation	Validity	30 years subject to the following upper limits.	
			Rough Stone	Gravel
		Max Total RoM in m³	30,500 m³	13,280 m³
		Annual Max RoM in m³	6,550 m³	5,440 m³
		Max Depth in mtrs	22m (2m Gravel+20m Rough Stone) BGL	
23	EMP cost (in Rs. Lakh).	Capital Cost-Rs:1101000/- Recurring Cost: Rs:434500/-		
24	CER cost (in Rs. Lakh).	Rs. 5,00,000 /- as accepted by the PP		

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Based on the presentation and documents furnished by the project proponent, SEAC noted that there are some structures located in the danger zone of the proposed quarry. Hence, the Committee decided to call for certain additional particulars as follows.

- i. The proponent shall enumerate on the details of the structures located within 50m, 100m, 200m, 300m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building – commercial/industrial/residential/farm house/Govt. building such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures whether it belongs to the PP (or) not, etc.
- ii. The fugitive studies due to proposed mining activity which may cause impacts like dust, vibration, etc., should be furnished.
- iii. Site map reveals that there is a temple located at 190m (W) from the proposed lease area. Hence, the PP shall furnish details indicating the ownership of temple, details of festival season & average devotee attendance etc.,

On the receipt of the same it was again been placed in the 397th meeting of SEAC held on 03.08.2023. During the meeting the PP has made the representation along the above said details. SEAC had noted the following during the presentation made by the PP;

1. SEAC noted that there are many structures as below.
 - In 50 – 100m radius – Railway line connecting Tiruppur-Erode.
 - In 100 – 200m Radius – 1 Temple.
 - In 200 – 300m Radius - 11 Houses, 14 sheds, 2 Tank, 6 Tiled Roof House, 1 temple, 1 asbestos shed, 1 crusher.
2. There are considerable number of structures located nearby may be disturbed due to the proposed quarrying activities in terms of dust, noise and water pollutions.
3. The proposed quarry site is important or sensitive for ecological reasons – wet lands, water sources or other water bodies, coastal zone, biospheres, mountains, flora & fauna, etc.


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4. Further, the Reg. 109 of Metalliferrous 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, the SEAC after having the detailed discussions and in view of the additional information now made available, decided **not to recommend** the proposal for Environmental Clearance.

Subsequently, the subject was placed in the 648th Authority meeting held on 22.08.2023. The Authority noted that the Proponent had submitted a representation vide letter dated: 22.08.2023 to reconsider the proposal for grant of EC. SEIAA accepts the decision of SEAC but decided to forward the proposal to SEAC for perusal on the representation received by the O/o SEIAA for further course of action.

Hence, the proposal was again placed in the 417th Meeting of SEAC held on 16.10.2023. Based on the presentation, the project proponent is requested to furnish the following additional details so as to consider the said proposal for appraisal,

1. The Project Proponent shall furnish the Modified Mining Plan approved by the competent authority, incorporating the mode of quarrying operation involved **no drilling & blasting** and the quarried out rough stone should be used only for slab stones, grinding stone, fencing stone etc.,

On receipt of the above details, the proposal was again placed in the 443rd meeting of SEAC held on 08.02.2024. The Committee noted that the Proponent had obtained the Modified Mining plan approved by the Department of Geology and Mining, Tiruppur vide Lr.No.R.C.No.257/Mines/2022 Dated: 12.01.2024 by incorporating the **mode of**


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quarrying operation involved no drilling & blasting and the quarried out rough stone should be used only for slab stones, griding stone, fencing stone etc.,

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 6,550 m³ of rough stone & 5,440 m³ of Gravel by maintaining the ultimate depth of mining upto 22m BGL** and subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, **subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.**
2. The PP shall 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. The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDR, 1988 within the lease boundary and protective bunds, before obtaining the CTO from the TNPCB.
4. The PP shall adopt only non-explosive technique (Rock Breaking Compounds) for the fracturing of stones ensuring the eco-friendly mining operation in the proposed quarry.
5. To ensure the conditions of occupational safety, health & welfare status of persons working in the mine, the PP shall annually conduct occupational health survey to determine prevalence of Noise Induced Hearing Loss (NIHL) due to the operation of the HEMMs deployed in the mine and to prepare a plan for hearing conservation programme by involving anyone of the reputed institutes - Regional Occupational Health Centre (Southern) of ICMR-National Institute

of Occupational Health, Bengaluru, National Institute of Miners' Health, Nagpur and Anna University, Chennai.

6. As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Middle School, A. Periyapalayam Village before obtaining CTO from TNPCB.

Agenda No: 443 - 18

(File No: 9713/2023)

Proposed Rough stone quarry lease area over an extent of 2.00.0Ha at S.F.Nos. 506/2(Part) (Govt. Poramboke land), P.Chettihalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by Tmt. R.Oviyam- For Environmental Clearance. (SIA/TN/MIN/413336/2023 Dt. 05.01.2023)

The proposal was earlier placed for appraisal in the 353rd SEAC meeting held on 09.02.2022. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt. R.Oviyam has applied for Environmental Clearance for the proposed Rough stone quarry lease area over an extent of 2.00.0Ha at S.F.Nos. 506/2(Part) (Govt. Poramboke land) P.Chettihalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification,2006.
3. The production for 5 years not to exceed 3,77,366 m³ of Rough stone with proposed depth – 50m (25m AGL + 25m BGL).
4. Earlier appl No. SIA/TN/MIN/200228/2020 dt: 25.02.2021 (File No. 8397/2020) was appraised vide 262nd SEAC Meeting held on 8.4.2022. Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

"... No quarrying or mining or crushing activities shall be carried out within one


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kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests”.

The Committee noted that the **P.Chettipalli** additional Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, **decided not to recommend the proposal.**

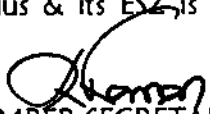
5. Subsequently, the above rule has been amended vide GO No. 243 Industries, Investment Promotion and Commerce (MMC.1) Department, dated 14.12.2022, as below.

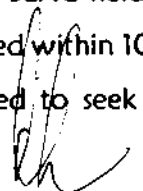
“In the said rules, in rule 36, in Sub-rule (1-A), in Clause(e) for the expression “the National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors and Reserve Forests”, the expression “National Parks, Wild Life Sanctuaries, Tiger Reserves, Elephant Corridors” shall be substituted”.

6. Consequently, the proponent has re-presented/reaplied the proposal to reconsider the earlier decision based on the above G.O.
7. The Proponent has resubmitted the same proposal vide online application No. SIA/TN/MIN/413336/2023 dt: 05.01.2023 (File No. 9713/2023) with all necessary supporting documents in order to obtain Environmental Clearance.

Description	Old File	New File
File No	8397	9713
Online Proposal No for EC	SIA/TN/MIN/200228/2020, Dated: 25.02.2021	SIA/TN/MIN/413336/2023 Dated: 05.01.2023.

Hence, the proposal was again placed in the 353rd Meeting of SEAC held on 09.02.2023. SEAC noted that Cauvery South Wildlife Sanctuary is located within 10km radius & its ESZ is yet to be notified. Hence, the Committee decided to seek the


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following details from the PP.

- The PP shall obtain NBWL clearance for Cauvery South Wildlife Sanctuary, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.

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

Subsequently, the Proponent made a representation vide letter dated:11.01.2024 as follows,

"...The rough stone quarry file is awaiting Environmental clearance in your good office due to lacunae in obtaining NBWL Clearance as the lease area is at a distance of 9.6km from the protected boundary of Cauvery south wildlife sanctuary. ESZ of Cauvery south wildlife sanctuary not prepared and declared. Consider my case as a special category as the lease area is at 9.6km and issue Environmental clearance helps to avoid the damage of machinery and save the employment opportunity'.

Based on the proponent's request, the proposal was again placed in the 443rd Meeting of SEAC held on 08.02.2024. After detailed deliberations, the committee decided to obtain the following details from the PP.

1. The PP shall obtain NBWL clearance for Cauvery South Wildlife Sanctuary, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.

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

Agenda No: 443-19

(File No: 8963/2023)

Proposed Rough stone & gravel quarry lease over an extent of 4.80.0 Ha in S.F.No. 420/1(P) & 421/1(P) of Perungudi Part-1 Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s. Panchamee Engineering Construction - For Environment Clearance. (SIA/TN/MIN/434786/2023, dt 29.06.2023)

The proposal was earlier placed in the 400th meeting of SEAC held on 11.08.2023. The Project Proponent made a detailed power point presentation about the proposed project. The details of the project furnished by the proponent are available on the


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PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Panchamee Engineering Construction has applied seeking Environment Clearance for the proposed Rough stone & gravel quarry lease over an extent of 4.80.0 Ha in S.F.No. 420/1(P) & 421/1(P) of Perungudi Part-I Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification 2006, as amended.
3. ToR issued vide Lr No. SEIAA-TN/ F.No. 8963 / SEAC/ ToR- 1135/ 2022 Dated: 25.03.2022.
4. Public Hearing conducted on 12.01.2023. During public hearing the local people have opposed the proposed project activity. The PP has furnished action plan in this regard.
5. Many windmills and physical structures are located near the project site.

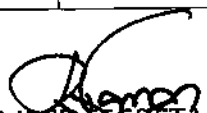
Based on the documents submitted and presentation made by the project proponent along with the consultant, the SEAC decided to call for the following additional details/documents:

1. As the windmills are located near the project site, the Project Proponent shall submit duly approved Modified Mining Plan leaving a minimum buffer of 150m on all sides.
2. As KWLS is within a distance of 10 km, the PP shall indicate conservation measures in consultation with the DFO concerned.

On receipt of the details sought the subject may be placed before the SEAC for further deliberations and to decide on future course of action.

The PP furnished the following details sought vide letter dated 22.11.2023 and hence the subject was taken up for discussion in this 443rd meeting of SEAC held on 08.02.2024.

Sl.No.	Query raised by SEAC	Reply furnished by PP
1.	As the windmills are located near the project site, the Project	Modified Mining Plan after leaving 152 m buffer for windmill was prepared and


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	Proponent shall submit duly approved Modified Mining Plan leaving a minimum buffer of 150m on all sides.	got approved from AD Mines, Tirunelveli vide letter no. Rc.No.M1/41683/2017 Dated:03.10.2023 Modified Mine plan approval letter and Approved Modified mine plan is enclosed as Enclosure No.1.
2.	As KWLS is within a distance of 10 km, the PP shall indicate conservation measures in consultation with the DFO concerned.	Letter from DFO was obtained and enclosed as Enclosure No. 2. We are agreeable to spent Rs 5.0 lakhs under EMP conservation measures as finalized by SEAC/ SEIAA.

Revised Production quantity:

Year	As per approved Mining Plan (50m for 10 years)		Revised Production (50m depth, 152 m safety distance from wind mill)	
	Rough Stone m3	Gravel in m3	Rough Stone m3	Gravel in m3
1	1,07,680	53,835	54,360	32,670
2	1,24,640	36,290	57,120	20,740
3	1,24,640	36,290	52,200	18,910
4	1,24,640	36,290	52,200	18,910
5	1,31,200	38,200	52,200	18,910
Total 1 to 5	6,12,800	2,00,905	2,77,080	1,10,140
Total 6 to 10	4,43,975	-	2,16,150	26,840
Total 1 to 10	10,56,775	2,00,905	4,93,230	1,36,980

File No	8963 EIA	Category	B1
	SIA/TN/MIN/ 434786 /2022		EC
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	M/s.Panchamee Engineering Construction D.No.1589, Main Road

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		Vadakkankulam Post & Village Radhapuram Taluk, Tirunelveli District-627116		
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone & Gravel	
3.	S.F Nos. of the quarry site with area break-up	:	420/1(P) & 421/1(P)	
4.	Village in which situated	:	Perungudi Part-1	
5.	Taluk in which situated	:	Radhapuram	
6.	District in which situated	:	Tirunelveli	
7.	Extent of quarry (in ha.)	:	4.80.0 ha (patta Land)	
8.	Latitude & Longitude of all corners of the quarry site	:	08°16'12.95"N to 08°16'21.70"N 77°37'13.33"E to 77°37'21.80"E	
9.	Topo Sheet No.	:	58H/11 & 12	
10.	Type of mining	:	Opencast mechanized method	
11.	Life of Project	:	10 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 m³ (RoM)	:	Rough Stone Gravel	Rough Stone Gravel
		:	2271960 m³ of Rough stone.	-

		252440 m ³ of gravel	
		Rough Stone Gravel	Rough Stone Gravel
	Mina ble Resources m ³ (RoM)	1056775 m ³ of Rough stone, 200905 m ³ of gravel	-
		Rough Stone Gravel	Rough Stone Gravel
	Annual Peak Production in m3	131200 m ³ of Rough stone, 53835 m ³ of Gravel	57120 m ³ of Rough stone, 32670 m ³ of Gravel
	Maximum Depth in meters	: 50m	
13.	Depth of water table	: 60m	
14.	Man Power requirement:	: 16 Nos	
15.	Water requirement: 11. Drinking water 12. Utilized water 13. Dust suppression 14. Green belt	10.0 kLD : 1.0 kLD 8.0 kLD 1.0 kLD	
16.	Power requirement	TNEB	


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17.	Precise area communication approved by the Department of G&M.	: Rc.No.M1/41683/2017, Dated 07.01.2021		
18.	Mining Plan approved by Department of G&M.	: Rc No.M1/41683/2017, Dated 01.03.2021		
19.	Department of G&M, Deputy Director500m Cluster Letter	Rc No.M1/41683/2017, Dated 01.03.2021		
20.	VAO Certificate Regarding Structures within 300m Radius	Letter dated: Nil		
21.	Project Cost (excluding EMP cost)	: Rs.199.50 Lakh		
22.	EC Recommendation	: Validity	30 years subject to the following upper limits.	
			Rough Stone	Gravel
		: Max Total RoM in m ³ (10 years)	493230	136980
		: Annual Max RoM in m ³	57120	32670
		: Max Depth in m	50m	
23.	Total EMP cost (in Rs. Lakh).	: Rs 385.8 lakh		
24.	CER cost (in Rs. Lakh).	: Rs 4.0 Lakh+Rs. 5.0 Lakh as conservation measure for Kanyakumari Wildlife Sanctuary		

Based on the presentation and documents furnished by the project proponent, **SEAC** decided to recommend the proposal for the grant of Environmental Clearance for the


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annual peak RoM production capacity not exceeding 57120 m³ of Rough stone and 32670 m³ of Gravel by maintaining the ultimate depth of mining of 50m BGL, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The proponent shall provide the particulars for carrying out the plantation of **2400 Nos. of tall saplings** of native species within and outside the proposed mining area as committed before obtaining CTO from 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 and highway/village roads 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 with prior permission from the DMS/Chennai Region, 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 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.

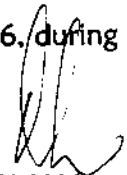

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- 5) The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation, and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
- 6) The PP shall ensure that the transportation of minerals shall not be carried out through the village road passing near the school premises.
- 7) The PP shall appoint a statutory Mine Manager possessing the I / II Class Mines Manager Certificate of Competency (R/UR) under MMR 1961 before executing the lease and a copy of such appointment shall be sent to the DMS/Chennai Region atleast 30 days before the commencement of the mining operations without fail.
- 8) As many a waterbody is located near the proposed lease area, the Proponent shall construct garland drain around the boundary of the proposed quarry and the photographs indicating the same shall be submitted before obtaining EC.
- 9) The PP shall mark the DGPS reference pillars painted with blue & white colour indicating the safety barrier of 7.5 m to be left under the Rule 13 (1) of MCDDR, 1988 within the lease boundary and protective bunds before obtaining the CTO from the TNPCB.
- 10) 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.
- 11) The proponent shall conduct the **Safety Audit** following the DGMS Guidelines laid for the purposes vide DGMS (Tech) S&T Circular No. 5 of 2016, during the


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3rd year of quarrying operation to detect any unsafe condition/practice prevalent in the mine to ensure the health and safety of the workers employed. 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.

- 12) As accepted by the Project Proponent the CER cost of **Rs.5.0 lakh** and the amount shall be spent for the following committed activities at Government High School, Kavalkinaru before obtaining CTO from TNPCB.
- 13) As accepted by the Project Proponent **Rs.5.0 lakh** shall be spent towards conservation measures at **Kanyakumari Wildlife Sanctuary** before obtaining CTO from TNPCB.

Agenda No: 443 - 20

(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 443rd SEAC meeting held on 08.02.2024. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, 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 &


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Construction Projects" of the Schedule to the EIA Notification, 2006.

3. Total plot area is 66692.19 Sq.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 subject was not taken up for discussion and the committee deferred the proposal.
5. Earlier, the proposal was again placed in 425th SEAC meeting held on 23.11.2023. 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.

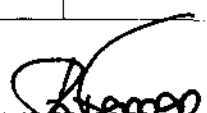
- (a) The proponent shall submit details of temporary sheds noticed within the site and the purpose for which they are used. The sheds which are within the proposed area are temporary sheds.
- (b) From the KML file it is seen that there are trees on the proposed land. The details should be enumerated 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.
- (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.

S. No.	Query	Reply
1	The proponent shall submit details of temporary sheds noticed within the	Temporary sheds of 12400 Sq. M available within the site are used


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	site and the purpose for which they are used. The sheds which are within the proposed area are temporary sheds.	earlier for the purpose of labour shed for construction @ Plot 1. These are the temporary in nature which will be dismantled and removed before starting the construction. The area breakup and line drawing are submitted.
2	From the KML file it is seen that there are trees on the proposed land. The details should be enumerated and reported	There are no trees in the project site and the site which covered lot of bushes and shrubs only. Present site photographs are submitted.
3	PP shall submit a plan to use a minimum of 50% of roof area for Solar panels	50% of the roof coverage should be specifically allocated for solar panels and should be used for the generation of solar energy. Plan and calculation are submitted.
4	PP shall also submit a plan to use 100% of roof area of the industrial shed operation by the PP for Solar panels	Delta will utilise the 100% of the Industrial shed roof area @ Plot 1 for the installation of solar panels. Plan and calculation are submitted.
5	PP shall submit a revised Water Balance Chart based on the discussions in the Committee	Revised Water Balance Chart is submitted.
6	E-Waste generation data to be included and appropriate EMP to be revised	E-Waste generation is very minimal. E-Waste will be disposed by TNPCB E-Waste management norms.
7	PP shall revise the Organic Waste Converter capacity as discussed in the Committee	OWC capacity is 250Kg/Hr. Two devices will provide. One is Working and One is standby. The details are submitted.


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8	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	Delta Electronics will provide Rs/3.6Cr for CER activities. Revised CER activities are submitted.
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Now the proposal was again placed in 443rd SEAC meeting held on 08.02.2024. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

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. 16-182B (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).

Salient features of the project as submitted by the project proponent:

Name and Address of the PP	Name of the Consultant
M/s. Delta Electronics India Pvt. Ltd., Plot No: 3, SIPCOT Industrial Estate, District-Krishnagiri, Tamil Nadu by the PP M/s. Delta Electronics India Pvt. Ltd.,	M/s. EHS360 LABS PVT. LTD., Old No.8/2, New No. 10/2, 50th Street, 7th Avenue, Ashok Nagar, Chennai - 83
A. Site Location Details	


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1.	Location	Survey No. 16-1B2B (Part), 16-3(Part), SIPCOT Industrial Park, Kurubarapalli Village, Krishnagiri Taluk & District,			
2.	Latitude & Longitude	12°35'59.66"N, 78°07'3.38"E			
3.	Survey Nos	Survey No. 16-1B2B (Part), 16-3(Part),			
4.	Area in Hectares	6.67			
5.	Ownership Details	SIPCOT land leased by DEIPL			
6.	Any Legal Disputes				
7.	Waterbodies/Rivers/Canals	S. No.	Name	Dist. (~km)	Dir.
		1	KRP Dam	10.48	SSE
		2	Lake Near Bellarapalli	10.63	SSE
		3	Lake Near Palaguri	10.03	SSE
		4	Lake Near Krishnapuram	9.74	SE
		5	Badatalav Eri	12.93	ESE
		6	Lake Near Pudur	12.93	SE
		7	Lake Near Devasamudram	14.49	SE
		8	Lake near Papparappatti	14.1	SE
		9	Lake Near Linkolai	12.13	SE
		10	Lake Near Bayampatti	7.63	ESE
		11	Lake Near Jinjupalli	6.64	ESE
		12	Lake Near Bandarapalli	6.12	ESE

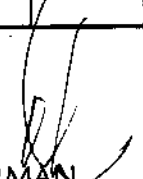

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		13	Lake Near Billanakuppam	6.22	ESE
		14	Lake Near Bandapalli	7.19	E
		15	Pond Near Site	0.45	ESE
		16	Pond Near Muttur	1.3	SSE
		17	Lake Near Somanathapalli	2.11	E
		18	Lake NearJeynur	4.43	ENE
		19	Lake NearPichaguntapedd anapalli	4.01	E
		20	Lake Near Nedumarudi	5.51	ENE
		21	Lake Near Pichaguntapeddanap alli	5.16	E
		22	Lake Near Sadanapalli	6.85	ENE
		23	Lake Near Sileyapalli	8.54	E
		24	Lake Near Guttapalli	9.54	ENE
		25	Lake near Nerriyanakuppam	7.18	ENE
		26	Lake Near Vlojipalli	6.69	ENE
		27	Lake Near Goralnattam	5.54	NE


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		28	lake Near Chinna Sulamalai	8.5	NE
		29	Lake Near Chinna Manavarapalli	7.39	NE
		30	Dorai Cheruvu	11.24	NE
		31	Lake Near Kattiripalle	11.22	NNE
		32	Lake Near Chinna Bommarasanapalli	13.78	NE
		33	Lake Near Nachikuppam	13.29	NNE
		34	Lake Near Ederapalli	11.32	N
		35	Lake near Chinna kottur	13.02	N
		36	Lake Near Tangadikuppam	13.79	N
		37	Lake Near Matamchembarasa napalli	13.97	NW
		38	Lake Near Annasandiram	13.96	NW
		39	Soolagiri Dam	11.02	NW
		40	Lake Near Nallarallupalli	12.08	WNW
		41	Lake Near Melumalai	2.17	WNW
		42	Lake Near Bikkanapalli	2.89	W


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		44	Lake Near Sengodachinnahalli	10.99	WSW
		45	Lake Near Baliganur	12.21	WSW
		46	Lake Near Gollahli	13.97	WSW
8.	Vulnerability to inundation	NA			
9.	Protected Areas Nearby (Wildlife Protection Act)	NIL			
10.	Previous EC/History in SEIAA	NIL. Fresh EC			

B. PROJECT SUMMARY

Sl. No.	Description	Total Quantity	Unit
B1. GENERAL			
1	Plot Area	66692.19	SQMT
2	Proposed Built Up Area	114256.82	SQMT
3	Total no of Saleable DU's/Villas	Nil	No.
4	Max Height - (Height of tallest block)	38.6	M
5	No of Building Blocks (Residential + Community facilities)	135	Rooms
6	Max No of Floors	8	No.
7	Expected Population (5371 Residential+ 135 Floating)	5506	No.
8	Total Cost of Project	360	Cr
9	EMP	Construction phase: 5.65	lakhs



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			Operation Phase: Capital – 756 Recurring – 42.01	
10	CER		360	lakhs
	SL NO	HEAD	ACTIVITIES (FROM 2024-2026)	PROPOSED BUDGET (IN INR)
	1 A	ENVIRONMENT	Renovation of water body – • Pond near Somanathapalli • Kurubarapalli Pond near site	4500000
	1B		Fund allocation for Tamil Nadu Forest department, Krishnagiri Range for establishing protection measures towards Prevention of human and Animal Conflict in Forest Area.	6000000
	2	EDUCATIONAL	Infrastructure and facility upgradation of following Schools Government Higher sec school, Kurubarapalli & Government high school, Ennegolpudur & Government Higher sec school,	8000000


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			<p>Veppanapalli.</p> <ul style="list-style-type: none"> • Smart Class Room • Upgradation of Computer/science Lab • Teaching, learning material kits • Toilet facilities • Kitchen Block Upgradation 	
	3A	LIVELIHOOD	<p>Creation of common INFRASTRUCTURE and Upgradation of existing facilities of "Economically backward group colony" including - <i>Drainage, Sanitisation, road and street lights facility</i>, at</p> <ul style="list-style-type: none"> • Kakkanapuram colony • Sikarimedu Tribal colony 	5500000
	3B		<p>Creation & Upgradation of class rooms, toilet facilities, TLMKits in the following Anganwadis</p> <ul style="list-style-type: none"> • A.Kurubarapalli • Maniyandapalli • B. Kurubarapalli 	3000000
	4	INFRASTRUCTURE	<p>(i) Providing TWO NUMBERS of battery operated, eco-friendly 16 seater electrical vehicle / Buggie to the Dean,</p>	90,00,000

			<p>A.C.Tech Campus, Anna University, Chennai-25 to facilitate the transportation of students from the Hostel premises to the Lecture Complex within the University Campus.</p> <p>(ii) Providing TWO NUMBERS of 14 seater battery operated, eco-friendly electrical vehicle / Buggie to the Dean, Government medical college, Krishnagiri for the benefits of the patients.</p>	
			TOTAL	36000000

B2. AREAS

1	Permissible Ground Coverage Area (xx%)	33346.095	SQMT
2	Proposed Ground Coverage Area (xx%)	22968.08	SQMT
3	Permissible FSI Area (xxx)	100038.29	SQMT
4	Proposed FSI Area	91256.36	SQMT
5	Other Non FSI Areas - including basement area etc.	20332.65	SQMT
6	Proposed Total Built Up Area	114256.82	SQMT

B3. WATER

1	Total Water Requirement	971	KLD
2	Fresh water requirement	540	KLD


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3	Treated Water Requirement	431	KLD
4	Wastewater Generation	722	KLD
5	Proposed Capacity of STP	1100	KLD
6	Treated Water Available for Reuse	686	KLD
7	Treated Water Recycled	722	KLD
8	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	255	KLD
B4. RAIN WATER HARVESTING			
1	Rainwater Harvesting - Recharge Pits	25	No.
2	Rainwater Harvesting SumpCapacity	nil	M ³
B5. PARKING			
1	Total Parking Required as / Building Bye Laws	1066	ECS
2	Proposed Total Parking	625	ECS
3	Parking in Basements	487	ECS
B6. GREEN AREA			
1	Proposed Green Area (Minimum 15.0% of plot area)	10173.28	SQMT
2	Total area	66692.19	SQMT
3	Existing trees on plot	NIL	
4	Number of trees to be planted	1455	Nos
5	Number of trees to be transplanted/cut	NIL	
B7. SOLID WASTE MANAGEMENT			
1	Total Solid Waste Generation	2.417	TPD


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2	Organic waste	0.967	TPD
3	Mode of Treatment & Disposal	250Kg/Hr OWC	TPD
4	Quantity of Sludge Generated from STP & Disposal	6.5	KG/DAY
5	Quantity of E-Waste Generation & Disposal	nil	KG/DAY
6	Quantity of Hazardous waste Generation & Disposal	890	LPA
B8. POWER / GREEN POWER			
1	Total Power Requirement	4500	KWA
2	DG set backup	4500	KVA
3	No of DG Sets	1500	No. 3
4	Solar Panels – Roof Coverage	5	%
5	Hot Water Requirement	26.85	KLD
	Of which met by Solar Panels		

C. POPULATION			
Residential	DU'S	POP/DU	TOTAL POPULATION
Total Saleable Du's	-	-	nil
Total	-	--	nil
Non Residential	-	-	nil
CLUB house (Employees etc.)	Area	-	nil
Club	-	-	nil


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Commercial	-	-	nil
Facility Management Staff	-	-	nil
Total	-	-	5371
Visitors	-	-	135
Residential	-	xx% of Residential Population	nil
Club/Community Hall	-	xx% of Residential Population	nil
(Maintenance Staff)	-	-	nil
Total Visitors	-	-	nil
Total Population	-	-	5506

RECOMMENDATION OF THE COMMITTEE

The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal as above and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


Additional Conditions:

1. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
2. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
3. Excess treated water of 255KLD generated in the dormitory must be utilized for the internal requirement of Delta Electronics Factory as per the commitment given during the presentation.


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4. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
5. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
6. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
7. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
8. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
9. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
10. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF&CC/Director of Environment and other concerning authority regularly.
11. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.


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12. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
13. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

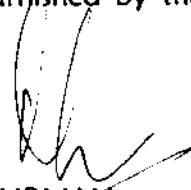
Agenda No. 443 - 21

(File No. 9941/2023)

Proposed Expansion of Industrial shed by M/s Volumnus Developers Pvt Ltd at S.F.No.19/2A1B, 19/3, 19/4, 22/1, 22/2A1, 22/2C, 23, 24/1, 24/2 , 25, 26, 27/1, 27/2, 27/3A, 27/3B, 27/4, 28/1, 28/2, 29/1, 29/2, 30/1A1, 30/1B, 30/2A, 30/3A, 31/1B, 31/2A1, 31/2B, 32, 33, 34/1, 34/2, 51/1, 51/2, 52/1A, 52/1B, 52/2A, 52/3A, 52/4A, 52/4B, 53/3, 64/3, 66/1, 67/1A, 68/1, 69/1A, 69/2A, 70/1A, 70/1B, 70/2A, 71/1, 71/2, 71/3A2, 71/3B, 71/3C, 71/3D, 71/3E1, 71/3E2, 71/3E3, 72/2, 73/2A, 1026/2A, 199/3, 199/4, 196, 195/1, 195/2, 195/4, 195/5, 194/1B, 194/2, 193/1, 193/2, 195/3, 202/3A2, 202/1, 203/1, 203/2, 204/1, 204/3, 205/2, 199/1, 202/4, 198/2B, 140/5, 140/4, 202/2, 203/4, 206/1C, 204/2, 206/1B1, 198/2A, 197/1, 197/2B, 198/2C, 202/3B, 206/2B Part, 198/1, 201/2B, 201/1, 205/1, 206/1B2, 206/1A1, 206/1A3, 202/3A1, 201/2A, 203/3, 206/1A2, 36/3A, 35/2, 36/2, 37/2, 37/3, 36/1, 37/1, 38,40/2, 36/3B2, 40/1 Part, 35/1A1, 35/1A2, 212/3A, 212/3B, 219/1, 219/2, 218,217/1, 217/2A1, 217/2A2, 217/2B, 217/3, 216/1, 216/2, 215/1, 215/2, 215/3A, 215/3B, 215/4, 215/5, 214, 213/1, 213/2, 213/3, 212/1A, 212/1B, 212/1C, 212/2A1, 212/2A2, 212/2A3, 212/2B, 211/1, 211/2A, 211/2B, 211/3, 211/4, 211/5, 210/1, 210/2, 210/3, 210/4, 209/1, 209/2, 207/1, 207/2, 207/3, 207/4, 207/5, 206/2A1, 206/2A2, 206/2B, 206/3, 220/1, 219/3, 220/2, 221 of Vadakupattu Village, Kundrathur Taluk, Kancheepuram district and S. Nos. 14/2 (Pt), 14/3, 14/4, 14/6 pt, 14/7 (Pt), 14/8, 15/1C Pt, 15/2A Pt, 15/3A, 15/4A, 15/5B1 of Padharvadi Village, Sriperumbudur Taluk & Kancheepuram district, Tamil Nadu for Environmenal Clearance. (SIA/TN/INFRA2/449267/2023, dated: 18.10.2023)

The proposal was placed in this 435th Meeting of SEAC held on 28.12.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, M/s Volumnus Developers Pvt Ltd has applied for Environmental Clearance for the Proposed Expansion of Industrial shed by M/s Volumnus Developers Pvt Ltd at S.F.No. 19/2A1B, 19/3, 19/4, 22/1, 22/2A1, 22/2C, 23,24/1, 24/2 , 25, 26, 27/1, 27/2, 27/3A, 27/3B, 27/4, 28/1, 28/2, 29/1, 29/2, 30/1A1, 30/1B, 30/2A, 30/3A, 31/1B, 31/2A1, 31/2B, 32, 33, 34/1, 34/2, 51/1, 51/2, 52/1A, 52/1B, 52/2A, 52/3A, 52/4A, 52/4B, 53/3, 64/3, 66/1, 67/1A, 68/1, 69/1A, 69/2A, 70/1A, 70/1B, 70/2A, 71/1, 71/2, 71/3A2, 71/3B, 71/3C, 71/3D, 71/3E1, 71/3E2, 71/3E3, 72/2, 73/2A, 1026/2A, 199/3, 199/4, 196, 195/1, 195/2, 195/4, 195/5, 194/1B, 194/2, 193/1, 193/2, 195/3, 202/3A2, 202/1, 203/1, 203/2, 204/1, 204/3, 205/2, 199/1, 202/4, 198/2B, 140/5, 140/4, 202/2, 203/4, 206/1C, 204/2, 206/1B1, 198/2A, 197/1, 197/2B, 198/2C, 202/3B, 206/2B Part, 198/1, 201/2B, 201/1, 205/1, 206/1B2, 206/1A1, 206/1A3, 202/3A1, 201/2A, 203/3, 206/1A2, 36/3A, 35/2, 36/2, 37/2, 37/3, 36/1, 37/1, 38,40/2, 36/3B2, 40/1 Part, 35/1A1, 35/1A2, 212/3A, 212/3B, 219/1, 219/2, 218,217/1, 217/2A1, 217/2A2, 217/2B, 217/3, 216/1, 216/2, 215/1, 215/2, 215/3A, 215/3B, 215/4, 215/5, 214, 213/1, 213/2, 213/3, 212/1A, 212/1B, 212/1C, 212/2A1, 212/2A2, 212/2A3, 212/2B, 211/1, 211/2A, 211/2B, 211/3, 211/4, 211/5, 210/1, 210/2, 210/3, 210/4, 209/1, 209/2, 207/1, 207/2, 207/3, 207/4, 207/5, 206/2A1, 206/2A2, 206/2B, 206/3, 220/1, 219/3, 220/2, 221 of Vadakupattu Village, Kundrathur Taluk, Kancheepuram district and S. Nos. 14/2 (Pt), 14/3, 14/4, 14/6 pt, 14/7 (Pt), 14/8, 15/1C Pt, 15/2A Pt, 15/3A, 15/4A, 15/5B1 of Padharvadi Village, Sriperumbudur Taluk & Kancheepuram district, Tamil Nadu
2. The project/activity is covered under Category "B1" of Item 8(a) "Building & Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Total Plot area is 5,49,360.759 Sqm & the total built-up area of the proposed Industrial Shed is 2,18,713.17 Sqm.
4. Terms of Reference was issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.9941/T oR-1485/2023, Dated: 22.06.2023.
5. Earlier, the proposal was placed in the 435th SEAC meeting held on 28.12.2023.


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During the presentation, the EIA coordinator stated that Project Proponent was absent for the meeting. Hence, the proposal was not taken up for appraisal.

Further, the project proponent shall furnish the reason for his absence.

Now the proposal was again placed in 443rd SEAC meeting held on 08.02.2024. Based on the presentation and documents furnished by the proponent, committee decided to call for additional details as follows

1. The proponent shall obtain permanent water commitment letter from local body/TWAD Board etc.,
2. The proponent shall explore the possibilities of providing centralised system for collection of used oils from the industries existing within the Industrial Park.
3. The proponent shall initiate installation of Solar panels in the roof top and must submit the proof for initiation and the action plan for completion of minimum coverage of 50% of roof top.
4. The proponent shall submit the details regarding the development of OSR in the form of video.
5. The proponent shall submit the details regarding the Corporate Environment Responsibility which was carried out earlier as per the existing Environmental Clearance and the proposed CER activities for the current proposed expansion.


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: 443 - 22

(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, Sanganur 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)


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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:

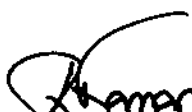
1. The Project Proponent, M/s. Ganga Medical Centre and Hospital Private Limited has applied for Terms of Reference Under Violation for the Existing Hospital Building with Doctor's Quarters & Medical Store with a Built-up Area of 33560.86 sq. m at S.F.No. 3/6(P), 3/7(P), 3/8, 3/9, 3/11, 6/1, 6/7A and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

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.

Now the proposal was placed in the 443rd SEAC meeting held on 08.02.2024. The EIA coordinator stated that the PP has decided to modify his application and requested to withdraw this application (File No: 10377). Hence SEAC decided that the PP shall apply a fresh application omitting the area found to be overlapped in this proposal and the


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Committee decided to recommend to SEIAA to accept the withdrawal request made by the PP.

Agenda No: 443 - 23.

(File No: 9480/2022)

Proposed Construction of Residential Building Complex at Block 0031, Old T.S. No. 3, New S. Nos. 6/1, 6/2 & 6/3 Venkatapuram Village, Guindy Taluk, Chennai District, Tamil Nadu by the PP M/s DLF IT Offices Chennai Private Limited-For Environmental Clearance. (SIA/TN/INFRA2/438071/2023, Dt. 24.08.2023)

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

SEAC noted the following:


Earlier, the proposal was placed for appraisal in 418th meeting of SEAC held on 19.10.2023 and SEAC recommended the proposal subject to conditions. Subsequently, the proposal was placed in 672nd Authority meeting held on 14.11.2023. After detailed discussions, the Authority decided to refer back the proposal to SEAC and to seek additional particulars as follows.

- I. The project proponent shall furnish traffic NOC from the competent authority along report for the impact on road traffic.
- II. The project proponent shall furnish revised layout with earmarked OSR area with entry and exit for public access.

Again, the proposal was placed in 435th SEAC meeting held on 28.12.2023. The PP vide letter Dt:21.12.2023 has stated that they would not be able to attend this SEAC meeting due to prior commitment on another project on 28.12.2023 and requested to reschedule this proposal in subsequent meetings in first week January 2024. Accordingly, SEAC has decided to defer and take up the proposal in any one of the forthcoming meetings. Subsequently, the subject was placed in the 692nd authority meeting held on 07.02.2024. The authority noted the remarks of SEAC in the 435th SEAC meeting held on 28.12.2023.

Again the proposal was placed in 443rd SEAC meeting held on 08.02.2024. PP has represented the SEIAA queries as follows


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S.No.	672 SEIAA Query	Reply
1.	The project proponent shall furnish traffic NOC from the competent authority along report for the impact on road traffic.	Traffic study & assessment Report submitted vide Page No. 5 of Annexure I.
2.	The project proponent shall furnish revised layout with earmarked OSR area with entry and exit for public access.	Layout Plan indicating Entry /Exit to OSR Area for public access is furnished in the Slide No. 8& PP letter dated 22.12.2023.

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Construction of Proposed Residential Building Complex at Block 0031, Old T.S. No. 3, New S.Nos. 6/1, 6/2 & 6/3 Venkatapuram Village, Guindy Taluk, Chennai District, Tamil Nadu by the PP M/s DLF IT Offices Chennai Private Limited.
2. M/s. Eco Services India Private Limited is the EIA Consultant for the project.
3. Total plot area of the project is 22,484 m² and built-up area is 1,61,473 m² respectively.
4. Maximum number of floors will be 3B + G + 19 and maximum height of the building will be 64.5 m.
5. Total Saleable DU's (dwelling units) is 421.
6. ToR issued vide Lr.No.SEIAA-TN/F.No.9480/SEAC/8(b)/TOR -1465/2023 dated:02.06.2023
7. Salient features of the project as submitted by the project proponent:

PROJECT SUMMARY			
Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Plot Area	22,484	SQMT

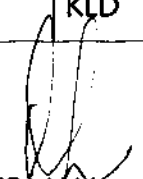
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2	Proposed Built Up Area	1,61,473	SQMT
3	Total no of Saleable DU's/Villas	421	No.
4	Max Height - (Height of tallest block)	64.50	M
5	No of Building Blocks (6 Residential Blocks namely Block 1 – G+19 Floors, Block 2 – G+19 Floors, Block 3 – G+19 Floors, Block 4 – G+19 Floors, Block 5 – G+19 Floors, Block 6 – G+19 Floors and a Club House Block (G + 2 Floor) with Combined Triple Basement Floors & utilities)	7	-
6	Max No of Floors	19	No.
7	Expected Population (Residential + Club house + Maintenance staff)	3,421	No.
8	Total Cost of Project	968.03	CR
9	Project Activity :	Proposed Residential Building Complex	
AREAS			
10	Permissible Ground Coverage Area (50 %)	11,242	SQMT
11	Proposed Ground Coverage Area (35 %)	7,324	SQMT
12	Permissible FSI Area (4.875)	1,09,610	SQMT
13	Proposed FSI Area (4.874)	1,09,591	SQMT
14	Other Non FSI Areas - including basement area etc.	51,882	SQMT
15	Proposed Total Built Up Area	1,61,473	SQMT
WATER			
16	Total Water Requirement	428	KLD



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17	Fresh water requirement	276	KLD
18	Treated Water Requirement	152	KLD
19	Wastewater Generation	359	KLD
20	Proposed Capacity of STP	465	KLD
21	Treated Water Available for Reuse	352	KLD
22	Treated Water Recycled	152	KLD
23	Surplus treated water to be discharged in Municipal Sewer with Prior permission, if any	200	KLD
RAINWATER HARVESTING			
24	Rainwater Harvesting - Recharge Pits	18	No.
25	Rainwater Harvesting Sump Capacity	295	M ³
PARKING			
25	Total Parking Required as / Building Bye Laws	1,390 Nos. of Car Parking	ECS
26	Proposed Total Parking	1,408 Nos. of Car Parking	ECS
27	Parking in Basements	1,333 Nos. of Car Parking	ECS
GREEN AREA			
28	Proposed Green Area (Minimum 15.0% of plot area)	3,465	SQMT
	Total area	21,012	
	Existing trees on plot	Nil	
	Number of trees to be planted	281	
	Number of trees to be transplanted/cut	Nil	
SOLID WASTE MANAGEMENT			


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29	Total Solid Waste Generation	1.946	TPD
30	Organic waste	Organic waste - 1.182 TPD In-organic Waste - 0.764 TPD	TPD
31	Mode of Treatment & Disposal	Organic waste - Treated In OWC and used as manure for green belt development In-organic waste - Handed over to recyclers/vendors	TPD
32	Quantity of Sludge Generated from STP & Disposal	36 Kg/DAY Dried, Dewatered, Processed in OWC and used as manure for green belt development	KG/DAY
33	Quantity of E-Waste Generation & Disposal	2.9	TPA
34	Quantity of Hazardous waste Generation & Disposal	0.18	TPA
POWER / GREEN POWER			
34	Total Power Requirement	5.5	MVA
35	DG set backup	(6 nos. of 625 KVA & 1 nos. of 200 KVA)	KVA
36	No of DG Sets	7	No.


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37	Solar Panels – Roof Coverage	50 211 KW	%
38	Hot Water Requirement Of which met by Solar Panels	Solar Geyser will cater the Hot Water requirement	

Population details:

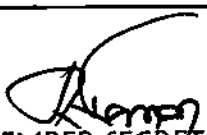
C. Population Details				
1.	Residential	DU'S	POP/DU	TOTAL POPULATION
2.	Total Saleable Du's	419	7	2933
		2	5	10
3.	Total	-	-	2943
4.	Non Residential	-	-	-
5.	CLUB house (Employees etc.)	Based on Floor Space	-	315
6.	Club	-	-	-
7.	Commercial	-	-	-
8.	Facility Management Staff	5 % of the total Residential Population	-	163
9.	Total (Residential & Non Residential)	-	-	3,421 Nos.
EMP Cost		Construction Phase: Capital Cost – Rs. 122.5 Lakhs. Recurring Cost – Rs. 108 Lakhs. Operation Phase: Capital Cost – Rs. 459 Lakhs. Recurring Cost – Rs. 133 Lakhs.		


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CER Cost		Rs.900 Lakhs.	
Details of CER Activities			
Beneficiary	Type of CER Activity	Budgetary Allocation (Rs. In Lakhs)	Action Plan
Chennai Snake Park Trust	Fund towards Development of R & D Centre, Convention Hall for Awareness & Venom Extraction	50	Within 1 year from the date of issue of EC.
District Forest Department	Fund allocation for Tamil Nadu Forest Department for establishing protection measures towards prevention of Human-Animal conflict in Dharmapuri District.	100	
Green Climate Company, Tamil Nadu	Fund towards climate mitigation & establishment of Blue Green Centers at Government Educational Institution in Tamil Nadu.	325	
Chennai Primary School, Venkatapuram	Fund towards purchase/installation of <ul style="list-style-type: none">• Developing Language labs• Purchase of Smart Boards	20	
Chennai Primary School, Ekkaduthangal	Fund towards purchase/installation of <ul style="list-style-type: none">• Developing Language labs• Purchase of TLM Kits	20	
Government Higher Secondary Model School, Saidapet	Fund towards purchase/installation of	10	


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	<ul style="list-style-type: none"> • CWSN Friendly Computers and application • TLM Kit 		
Government Higher Secondary Model School, Maduvinkarai	Fund towards purchase/installation of <ul style="list-style-type: none"> • Smart Boards • CCTV cameras • Desktop Computers 	25	
Primary Health Care Centre, Maramadakki Village, Alangudi	Fund towards construction of Hospital Building	100	
Primary Schools & Middle Schools in Alangudi	Fund towards purchase of Smart Boards in Classrooms	50	
Tailoring Institute, Kulamangalam South, Alangudi	Fund towards construction of Tailoring Institute building & purchase of sewing machines	100	
Government, Higher Secondary School, Maramadakkai Village, Alangudi	Fund towards construction of Auditorium	75	
Government Arts College, Thiruvavur	Fund towards infrastructure up-gradation	25	
Total		900 Lakhs	

8. The project proposal falls under Category-8(b) of EIA Notification, 2006 (as amended).

RECOMMENDATION OF THE COMMITTEE

Based on the presentation & documents furnished and the Committee carefully examined the points raised by SEIAA and the replies given by the PP. The Committee


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discussed the matter and recommended a grant of environmental clearance for the project proposal and re-confirmed the recommendation already made in 418th meeting of SEAC held on 19.10.2023 and subject to the standard conditions as per the **Annexure II** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

Additional Conditions:

1. The PP shall obtain traffic NOC from the competent authority before obtaining CTO from TNPCB.
2. The construction shall comply with Green Building norms and shall get minimum IGBC Gold rating.
3. STP shall be installed on 10-year BOOT basis, so that the construction and maintenance are combined in one single responsibility.
4. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed. The PP shall construct a pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
5. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
6. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
7. The proponent should provide the sufficient electric vehicle charging points as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.


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8. The project proponent should develop green belt in the township as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
9. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
10. Proponent should submit the certified compliance report of previous/present EC along with action taken report to the Regional office MoEF DFO/Director of Environment and other concerning authority regularly.
11. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
12. The project proponent shall provide a measuring device for monitoring the various sources of water supply namely fresh water, treated waste water and harvested rain water.
13. The proponent should provide the MoU with STPs' owner/concerned department for getting the STPs treated water for construction use.

Agenda No: 443-25

(File No: 6555/2018)

Expansion of existing hospital facility by M/s. Ganga Medical Centre & Hospitals Pvt Ltd at S.F.No.11/3/1B(Part) of Sanganur village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu. - For Environmental Clearance under violation category (SIA/TN/NCP/24656/2018 dated 21/09/2021)

The proposal was earlier placed for appraisal in the 342nd meeting of SEAC held on 30.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

- i. The Project Proponent, M/s. Ganga Medical Centre & Hospitals Pvt Ltd. has


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applied seeking Environmental Clearance under Violation for the Expansion of existing hospital facility at S.F.No.11/3/1B(Part) of Sangapur village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu.

2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. ToR under violation category issued vide Lr.No.SEIAA.F.No. 6555/SEAC/Violation ToR-613/2019 dated: 21.03.2019.
4. EIA report submitted on 29.09.2021.

Based on the presentation and documents furnished by the project proponent, the Committee called for certain additional particulars. Proponent furnished the reply and hence the subject was taken up for discussion in this 345th meeting of SEAC held on 10.01.2023. SEAC decided to make on-site inspection by the Sub- Committee constituted by SEAC. On the receipt of the same SEAC will take further course of action.

Dr. B. Gowtham, Expert Member, SEAC Tamil Nadu inspected the project site on 06.02.2023 and has furnished the inspection report, the details of which are available in the previous minutes. The final recommendation made by the sub-committee are as follows.

- The proponent has violated by constructing additional three floors (4th, 5th & 6th Floors) without valid EC (unconsent construction).
- High level ecological damages has been forced on the activity of the Proponent and penalty has been calculated as Rs. **23.00 Lakhs**.
- The proponent also agreed to pay the Budget allocation proposed for Remediation, Natural Resource Augmentation and Community Resource Augmentation plan based on EIA Model which is Rs. **31.00 Lakhs**.
- The proponent committed to spend Rs. **18.50 Lakhs** towards the CER activity for near government higher secondary school and Government Arts College, Coimbatore.
- The green belt coverage within the area is not adequate and the proponent agreed to find places in the corporation areas like school grounds, around water


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bodies to plant around 1000 additional trees which will not account in CER activity plantations.

- In Concluding views, the sub-committee member suggests the honorable committee to issue Environmental Clearance requested by the proponent.

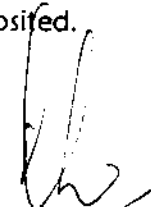
The site inspection report was placed in the 365th meeting of SEAC held on 24.3.2023. The SEAC observed that the proposal seeking Environmental Clearance for the expansion and construction of Hospital Facilities, Ganga Hospital at T.S. No. 11/3/1B part, Mettupalayam Road, Sangnur Village, Coimbatore District, Tamil Nadu under violation category comes under the "high level ecological damage category". The Committee decided to **recommend** the proposal to SEIAA for grant of EC subject to the conditions attached.

Subsequently the subject was placed in the 612th meeting of Authority held on 17.04.2023 & 18.04.2023. The Authority noted that,

1. The subject was placed in the 365th meeting of SEAC held on 23.03.2023. The SEAC observed that the proposal seeking Environmental Clearance for the expansion and construction of Hospital Facilities, Ganga Hospital at T.S. No. 11/3/1B part, Mettupalayam Road, Sangnur Village, Coimbatore District, Tamil Nadu under violation category comes under the "high level ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of EC subject to inter alia the following conditions in addition to the normal conditions stipulated by MOEF&CC:

- a. As per the MoEF&CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.


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- b. Accordingly, the amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation is **Rs. 31.00 Lakh**. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.31 Lakh in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
- c. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- d. The amount committed by the Project proponent for CER (**Rs.18.5 Lakh**) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.

The Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent requesting to furnish the additional details/documents sought by SEAC and place the proposal in the ensuing Authority meeting after receipt of the details.

The PP furnished the details called for and hence the subject was placed before the Authority in its 657th meeting held on 25.09.2023. The Authority noted that,

1. The PP has submitted the bank guarantee of **Rs. 31.00 Lakh** prescribed for Ecological remediation, natural resource augmentation & community resource augmentation to Tamil Nadu Pollution Control Board and obtained acknowledgement for the same.
2. The amount committed by the Project proponent for CER (**Rs.18.5 Lakh**) has been handed over to the beneficiaries for the activities committed by the proponent and copy of receipts obtained from the beneficiaries have been furnished to SEIAA-TN.


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3. The project proponent has submitted proof of credible action taken by the TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

During the meeting, the Authority noted that the sub-committee constituted by SEAC has observed a High-Level Violation committed and the ecological remediation, natural resource augmentation and community resource augmentation cost is estimated as **Rs. 23 Lakh** in the site inspection report. Hence the Authority decided to refer back the proposal to SEAC to state,

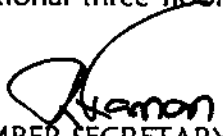
- a. The area of violation.
- b. The agency to whom the penalty for violation to be placed/paid.

Hence the subject was again placed in this 419th meeting of SEAC held on 01.11.2023. The SEAC noted that the PP has not shown up for the meeting and hence decided to defer the subject to a later date.

Now the subject was taken up for discussion in this 421st meeting of SEAC held on 08.11.2023. The SEAC noted the sub-committee's recommendation as follows.

S. No	Description	Calculation	Amount in Lakhs
1	Need Based Damage Assessment for remediation plan for Natural Resource Augmentation as per EIA submitted.	Need based requirement of local community / TNSEAC recommendation	31.00
2	Cost of High-level ecological damages committed	2.0 % of the project cost	23.00
3	Amount to be spent on welfare activities under CER (1 % + additional charges)	CER committed in SEAC deliberation 11.50 Lakhs + 7.00 Lakhs during the site visit	18.50
	GRAND TOTAL		72.50 Lakhs

However, in the minutes of SEAC, the penalty for the violation of construction of additional three floors (4th, 5th & 6th Floors) in the existing hospital building without


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obtaining prior EC, where Cost of High – Level ecological damages as assessed by the Sub-committee for an amount of Rs. 23 Lakhs, **was inadvertently missed out in the final recommendations of the SEAC during its 365th meeting of SEAC held on 24.03.2023.** The details for Rs. 23 lakh are given below.

Environment Component	Remediation Measures for Environmental damage	Total (Rs.)
Water Environment	Renovation of Rain Water Harvesting Pits in Thondamuthur Village	5,00,000
Land Environment	Cleaning / Desilting of River and other water Bodies in Alandurai Village	5,00,000
Ecological Environment	Avenue Plantation in Kuppepalayam Village	60,000
Socio economic Environment	Solar Lighting Facilities along the village roads of Narasipuram Village	1,00,000
	TOTAL	11,60,000
Environmental Components	Natural Resource Augmentation	Total (Rs.)
Water Environment	Rain water harvesting structures at prominent place in the Vadvalli Village	5,00,000
Air Environment	Providing trees in and around Pannimadi Village	1,00,000
Land / Soil Environment	Providing Agricultural needs for 5 families of Vandikaranoor Village	1,00,000
	TOTAL	7,00,000
Sl.No	Community Resource Development	Total (Rs.)
	Improving Sanitation Facilities and Creating Smart classrooms at Government School, Vadavalli Village	4,40,000
	TOTAL	4,40,000


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Grand Total	Rs. 23 lakhs
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Hence the SEAC, after detailed discussions, decided to reiterate its recommendation already made in its 365th SEAC meeting held on 24.03.2023, subject to the modification of the earlier conditions as follows:

1. As per the MoEF&CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.
2. Accordingly, the amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation is **Rs. Rs.72.5 lakhs**. Hence the SEAC decided to direct the project proponent to remit the amount of **Rs.72.5 lakhs** in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
3. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation **within a period of one year from the date of issue of EC**. If not, the bank guarantee will be forfeited to TNPCCB without further notice.
4. All the other conditions imposed in the minutes of 365th meeting of SEAC held on 24.3.2023 will remain unaltered.


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ANNEXURE-I

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

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

9. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
10. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
11. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
12. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 20° or more or areas with a high degree of erosion on forestland.
13. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
14. The PP shall not use plastic carry bags within the quarry area.
15. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
16. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.


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GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview of Mines Act 1952.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short-Term Permit (STP), Query license or any other name.
5. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals.
6. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
7. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.


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8. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics.
9. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
10. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
11. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.


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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.


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- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.
- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
- 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.


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- 17) The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.
- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species with dense/moderate canopy of native origin should be chosen. Species of 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.


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- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
- 32) To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
- 33) The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
- 34) The project proponent shall ensure that the provisions of the MMDR Act, 1957 & the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
- 35) The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
- 36) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.


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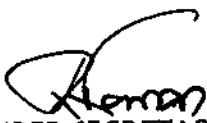
- 37) All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
- 38) That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
- 39) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.
- 40) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 41) As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere to the EMP as committed.

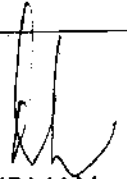

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SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS		
Sl. No	Existing (or) Virgin Quarry	
	Wind Mills located at a distance of 150 m to 300 m	Wind Mills located beyond 300 m Up to 500 m
1.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.	Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961.
2.	Special precautions are to be taken during blasting within danger zone such as posting guards, etc.	Blast design parameters should be mentioned in mining plan/scheme. and may be reviewed by a competent mining engineer.
3.	Blast design parameters should be mentioned in mining plan/scheme.	MCPD and total charge should be fixed such that it should not exceed 1.3 kg and 26.50 kg respectively.
4.	The recommendations of scientific organisation need to be incorporated in the mining plan/scheme before its approval.	Fresh scientific study may be conducted if mine management wants to increase the MCPD and total explosive charge above the quantity of 1.30 kg and 26.50 kg respectively. Continuous monitoring using seismograph should also be done in such cases by the mine management.
5.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.	Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting.
6.	Training of the blasting crew on controlled blasting practices before engaged in operation.	Training of the blasting crew on controlled blasting practices before engaged in operation.


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7.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB.	Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, SPCB. Report of recorded ground vibration need to be added in monthly report.
8.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.	Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB.
9.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.	Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge.
10.	Electronic (or) Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.	Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing.
11.	Max. number of holes in a round: 30.	Max. number of holes in a round: 40 to 60.


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

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


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6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.


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12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
14. Quantity of minerals mined out.
- Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment, and the remedial measures for the same.

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

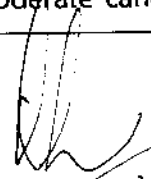

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preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

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


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of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.


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40. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.



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Annexure II

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


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Department shall be obtained, as applicable, by project proponents from 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.


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7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.
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).


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5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the 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.


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21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban 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.


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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 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


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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 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.


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3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions 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	வில்வம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி. ஆனைக்குன்றிமணி
3	<i>Albizia lebbeck</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	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு. மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvu	நருவு.
18	<i>Creteva adansoni</i>	Mavalingum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உசா
21	<i>Diospyro sebum</i>	Karungali	கருங்காலி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆற்றுப்பவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம். ஆயில்
27	<i>Lannea coromandelica</i>	Odham	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisupattai	அரம்பா. பிசிப்பட்டை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestre</i>	Eachai	ஈச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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

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Appendix –III


Display Board

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

கரங்கம்

கரங்கங்களில் சுவாரி செயல்பாடுகளுக்கான கற்றுத்தும்ல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAW—, தேதியிடப்பட்டு கற்றுத்தும்ல் அனுமதி தேதி வரை செல்லத்தக்கதாக உள்ளது

பகலம் பகுதி வளர்ச்சி	சுவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்
வேம்பாட்டுக்கான கரங்கத் திட்டம்	கரங்கப்பள்ளத்தின் ஆழம் தளமாட்டத்திலிருந்து மீட்டர்க்கு கிராமம் இருக்க வேண்டும்
	காற்றில் மாக ஏற்படாதவாறு கரங்க பணிகளை மேற்கொள்ள வேண்டும்.
தட்பப்பட்டு	வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் வாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
பராமரிக்கப்பட வேண்டிய மரங்கள் எண்ணிக்கை	இரைச்சல் அனைவரும் தூசி மாகபட்டையும் சூறையுதற்காக சுவாரியின் எல்லையை சுற்றி அடர்த்தியான பகலம் பகுதியை ஏற்படுத்த வேண்டும்.
கரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் கற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உள்விப்பாக செயல்படுத்தப்பட வேண்டும்	
கரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிசிபெல்ஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
கரங்க சட்ட விதிகள் 1955ன் கீழ் கரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வட்டியாக வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து தன்கு பராமரிக்க வேண்டும்.	
கரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீரிழைகள் பாதிக்கப்படக் கூடாது.	
நீரிழைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் துவத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
கரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்லு கிராம மக்களுக்கு எந்தத் கிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் கற்றுத்தும்ல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
கரங்கப்பணிகள் முடிக்கப்பட்டபின் கரங்க மூடல் திட்டத்தில் உள்ளவாறு கரங்கத்தினை மூட வேண்டும்.	
கரங்க நடவடிக்கைகளை முடித்தபின்னர் கரங்கப் பகுதி மற்றும் கரங்க நடவடிக்கைகளால் இடைபுறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவணங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகலம்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும் மேலும் எந்தவித கற்றுத்தும்ல் சார்ந்த புகார்களுக்கு சென்னையில் உள்ள கற்றுத்தும்ல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாக கட்டுப்பாடு வாரியத்தின் மாவட்ட கற்றுத்தும்ல் பொறியாளரை அணுகவும்	


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