

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 299th Meeting of the State Expert Appraisal Committee (SEAC) held on 23 July 2022 (Saturday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 299-01

File No: 8717/2021)

Proposed Rough stone and Gravel quarry lease over an extent of 1.69.4 Ha in S.F.No: 140/1 (P), 140/2A(P), 140/3A(P), 141/1A(P), 141/2A(P) & 141/3A(P) Athipalayam Village, Pugalur Taluk, Karur District, Tamil Nadu by Thiru.K.Manisekaran- For Environmental Clearance. (SIA/TN/MIN/224537/2021 Dt.13.08.2021)


The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Manisekaran has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.69.4 Ha in S.F.No: 140/1 (P), 140/2A(P), 140/3A(P), 141/1A(P), 141/2A(P) & 141/3A(P) Athipalayam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of Five years. The total production for 5 years not to exceed 160990 m³ of Rough stone and 2976 m³ of Gravel. The annual peak production as per mining plan is 37030 m³ of Rough stone (1st year) and 992 m³ of Gravel with ultimate depth of 47m.

Based on the presentation made by the proponent, the SEAC decided to call for the following details from the PP.

1. The PP shall furnish the certified compliance report obtained from MoEF&CC/TNPCB on the existing EC issued.


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Agenda No: 299-02

(File No: 9039/2022)

Proposed Construction of Buildings for Expansion of Hospital Building at SF.No. 298, 300/2, 306, 307pt, 308pt, 499, 500, 501 & 502pt of Sowripalayam Village, Coimbatore south Taluk, Coimbatore District by M/s. PSG Hospitals- for Environmental Clearance- (SIA/TN/MIS/257449/2022 Dt. 22.2.2022)

The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. 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:

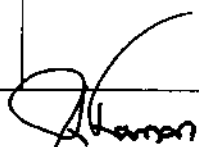
1. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

S. No	Description	Details			
1.	Name of the Project	Proposed Construction of Buildings for Expansion of Hospital Building M/s. PSG Hospitals			
2.	Location	SF.No. 298, 300/2, 306, 307pt, 308pt, 499, 500, 501 & 502pt of Sowripalayam Village, Coimbatore south Taluk, Coimbatore District			
3.	Type of Project	Building and Construction Projects Schedule 8 (a), Category "B"			
4.	Latitude & Longitude	S.No	Latitude	Longitude	
		1	11°00'59.74"N	77°00'14.64"E	
		2	11°01'10.40"N	77°00'29.25"E	
5.	Total Area (in sq. m)	Existing - 83,162 Proposed - nil After Expansion - 83,162			


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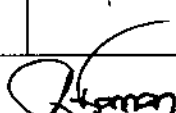

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6.	Built up area	Existing - 64,501 Proposed - 33,453.28 After Expansion – 97,954.28				
7.	Cost of Project	Rs. 96.40 crores				
8.	a) Water requirement KLD (After expansion)					
		S.No	Description	Existing	Proposed	After Expansion
		1	Total Water Requirement (KLD)	554	56	610
		2	Fresh Water Requirement (KLD)			
			Hospital	281	33	314
			Canteen	50	-	50
	Total	331	33	364		
3	Treated Water Requirement (KLD)	223	23	242		
9.	Details of /Sewage Treatment Plant					
		1.	Bar Screen Chamber			
		2.	Collection Equalization Tank cum			
		3.	UASBR			
		4.	Anoxic Tank			
		5.	SBR Aeration Zone			


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		6.	SBR Setting Zone	
		7.	Filter Feed Sump	
		8.	Sludge Holding Tank	
		9.	Pressure sand Filter	
		10.	Activated Carbon Filter	
		11.	Sludge Drying Beds	
		12.	UV System	
		13.	Treated Water Tank	
10.	Details of Effluent Treatment PLANT	1.	Bar Screen Chamber	
		2.	Collection cum Equalization Tank	
		3.	Coagulation cum Neutralization	
		4.	Setting Tank – I	
		5.	Aeration Tank	
		6.	Setting Tank – II	
		7.	Filter Feed Sump	
		8.	Pressure sand filter	
		9.	Activated Carbon Filter	
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		11.	Treated Water Tank	


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		12.	UV System																												
11.	Mode of Disposal of treated sewage with quantity	<table><tr><th>S.No</th><th>Description</th><th>Existing</th><th>Proposed</th><th>After Expansion</th></tr><tr><td>1</td><td>Toilet Flushing</td><td>157</td><td>19</td><td>176 KLD</td></tr><tr><td>2</td><td>Greenbelt development</td><td>66</td><td>-</td><td>66 KLD</td></tr><tr><td>3</td><td>Odai/UGD Line</td><td>240</td><td>6</td><td>246 KLD</td></tr></table>					S.No	Description	Existing	Proposed	After Expansion	1	Toilet Flushing	157	19	176 KLD	2	Greenbelt development	66	-	66 KLD	3	Odai/UGD Line	240	6	246 KLD					
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12.	Quantity of Solid Waste generated per day , Mode of treatment and Disposal of Solid Waste	<table><tr><th>S.No</th><th>Description</th><th>Existing</th><th>Proposed</th><th>After Expansion</th></tr><tr><td>1</td><td>Bio degradable</td><td>423</td><td>45</td><td>471</td></tr><tr><td>2</td><td>Non-Biodegradable</td><td>284</td><td>30</td><td>314</td></tr><tr><td>3</td><td>Bio – Medical Waste</td><td>600</td><td>255</td><td>855</td></tr><tr><td>4</td><td>STP Sludge</td><td>100</td><td>10</td><td>110</td></tr></table>					S.No	Description	Existing	Proposed	After Expansion	1	Bio degradable	423	45	471	2	Non-Biodegradable	284	30	314	3	Bio – Medical Waste	600	255	855	4	STP Sludge	100	10	110
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4	STP Sludge	100	10	110																											
13.	Power requirement & Source of Power	TANGEDCO <table><tr><th>S.No</th><th>Existing</th><th>Proposed</th><th>After Expansion</th></tr><tr><td>1</td><td>1475</td><td>1200</td><td>2675</td></tr></table>					S.No	Existing	Proposed	After Expansion	1	1475	1200	2675																	
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14.	Details of D.G. set with	<table><tr><th>S.</th><th>Existing</th><th>Proposed</th><th>After</th></tr><tr><td></td><td></td><td></td><td></td></tr></table>					S.	Existing	Proposed	After																					
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	Capacity		No		d	Expansion	
			1	500KVA x1	1010 KVA x1	500KVA x1	
			2	1010 KVA x1		1010 KVA x2	
15.	Details of Green Belt Area	S.No	Existing	Proposed	After Expansion		
		1	18,901(22.73%)	-	18,901(22.73%)		
16.	Details of Parking Area	S.No	Description	Existing	Propose d	After Expansion	
		1	Car	2000	720	2720	
		2	Two Wheeler	650	350	1000	
17.	Provision for rain water harvesting	Total Rainwater Runoff – 44,245 cum					
18.	EMP Cost (Rs.)	Capital Cost – Rs.723 Lakhs Operation & Maintenance Cost – Rs. 113.5 Lakhs					
19.	CER activities with the specific allocation of funds	Rs. 96.4 Lakhs					

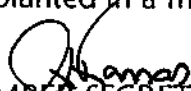
Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance

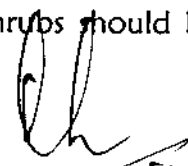

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subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The project proponent shall provide MLCP instead of open space car parking and the area released should be used for providing additional Tree Plantation.
2. The proponent shall obtain fresh water supply and disposal of sewage commitment letter from NTADCL/Coimbatore Corporation before obtaining CTO.
3. The project proponent shall dispose of generated sewage through Municipal Corporation sewer line.
4. The project proponent shall provide grey water treatment plant and treated water shall be utilized for green belt development and recycling. Any surplus may be considered for meeting the requirements of nearby industries, foundries, etc.,.
5. The treated & untreated sewage shall not be let in to the water bodies at any point of time.
6. The proponent shall dispose of the organic waste through composting & it shall be utilized for manure as committed and non-Biodegradable waste shall be sent to authorized recyclers as committed.
7. Bio medical waste shall be disposed in accordance with the Bio Medical Waste Management Rules 2016.
8. The height of the stacks of DG sets shall be provided as per the CPCB norms.
9. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc., to TNPCB before obtaining CTO.
10. The proponent shall provide the separate wall between the GWTP and OSR area as per the layout furnished and committed.
11. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix, in consultation with the DFO, State Agriculture University. 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.


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12. 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
13. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
14. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
15. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
16. No waste of any type to be disposed of in any other way other than the approved one.
17. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in air, noise, solid waste disposal, sewage treatment & disposal etc., shall be followed strictly.
18. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
19. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
20. The project proponent shall measure the criteria air pollutants data (including CO) due to traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
21. Solar energy should be at least 75% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.

22. 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.
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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
24. As accepted by the Project Proponent the CER cost is Rs. 96.4 lakh and the amount shall be spent for (1) increasing the capacity of PSG Manavar Illam from 120 students to 250 students for providing free hostel facilities and (2) Tree plantation and garden development in and around the Hospital.

Agenda No: 299-03

(File No: 9200/2022)

Proposed Construction of Residential Cum Commercial Building Complex in S.F. Nos. 399/1A, 399/1B, 399/1C, 399/1D, 399/1E, 399/1F, 399/3B, 418/1A, 418/1B, 418/1C & 418/1D2 of Kuthambakkam Village, Ponamallee Taluk, Thiruvallur District by the Shriram Properties Limited for Environmental Clearance (SIA/TN/MIN/268786/2021 Dated 21.04.2022)

The proposal was placed in this 299th Meeting of SEAC held on 23.07.2022. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC made the following observations:

1. The Project/activity under category "B2" of Item 8(a)- Building and Construction of the Schedule to the EIA Notification 2006.

S. No	Description	Details
1.	Name of the Project	Proposed Construction of Residential Cum Commercial Building Complex by M/s. Shriram Properties Limited
2.	Location	S.F.Nos. 399/1A, 399/1B, 399/1C, 399/1D, 399/1E, 399/1F, 399/3B, 418/1A, 418/1B, 418/1C & 418/1D2 of Kuthambakkam Village, Ponamallee Taluk, Thiruvallur District, Tamil Nadu
3.	Type of Project	Building and Construction Projects

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		Schedule 8 (a), Category "B"																																																															
4.	Latitude & Longitude	<table><tr><td>S.No</td><td>Latitude</td><td colspan="2">Longitude</td></tr><tr><td>1</td><td>13°2'58.87"N</td><td colspan="2">80°1'21.41"E</td></tr><tr><td>2</td><td>13°2'52.45"N</td><td colspan="2">80°1'19.60"E</td></tr><tr><td>3</td><td>13°2'50.86"N</td><td colspan="2">80°1'27.06"E</td></tr><tr><td>4</td><td>13°2'55.79"N</td><td colspan="2">80°1'28.82"E</td></tr></table>				S.No	Latitude	Longitude		1	13°2'58.87"N	80°1'21.41"E		2	13°2'52.45"N	80°1'19.60"E		3	13°2'50.86"N	80°1'27.06"E		4	13°2'55.79"N	80°1'28.82"E																																									
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5.	Total Area (in sq. m)	Total Land Area – 36,174.00 Sq.m (8.93 acres)																																																															
6.	Built up area	Proposed total built-up area – 1.07.973 Sq.m																																																															
7.	Cost of Project	Rs. 265.85 crores																																																															
8.	Brief description of the project	<p>The total built up area - 1,07,973 Sq.m in 36,174.00 Sq. m. of plot area.</p> <p>Detailed Built Up Area Statement</p> <table><tr><td>S.No</td><td>Project Components</td><td>No. of Floors</td><td>Total built up area (Sq.m)</td><td>Dwelling units (Nos.)</td></tr><tr><td>1</td><td>Tower 1</td><td>S+13 floors</td><td>9,424</td><td>156</td></tr><tr><td>2</td><td>Tower 2</td><td>S+13 floors</td><td>12,660</td><td>117</td></tr><tr><td>3</td><td>Tower 3</td><td>B+S+13 floors</td><td>15,050</td><td>143</td></tr><tr><td>4</td><td>Tower 4</td><td>B+S+13 floors</td><td>15,050</td><td>143</td></tr><tr><td>5</td><td>Tower 5</td><td>S+13 floors</td><td>12,660</td><td>117</td></tr><tr><td>6</td><td>Tower 6</td><td>B+S+13 floors</td><td>16,941</td><td>169</td></tr><tr><td>7</td><td>Tower 7</td><td>B+S+13 floors</td><td>21,113</td><td>208</td></tr><tr><td>8</td><td>Club House</td><td>B+G+2 floors</td><td>1,097</td><td>–</td></tr><tr><td>9</td><td>Shop / Commercial</td><td>S+4 floors</td><td>1,798</td><td>–</td></tr><tr><td>10</td><td>Other Utilities</td><td>-</td><td>2,180</td><td>–</td></tr><tr><td colspan="3">Grand total</td><td>1,07,973 Sq.m</td><td>1,053 Nos.</td></tr></table>				S.No	Project Components	No. of Floors	Total built up area (Sq.m)	Dwelling units (Nos.)	1	Tower 1	S+13 floors	9,424	156	2	Tower 2	S+13 floors	12,660	117	3	Tower 3	B+S+13 floors	15,050	143	4	Tower 4	B+S+13 floors	15,050	143	5	Tower 5	S+13 floors	12,660	117	6	Tower 6	B+S+13 floors	16,941	169	7	Tower 7	B+S+13 floors	21,113	208	8	Club House	B+G+2 floors	1,097	–	9	Shop / Commercial	S+4 floors	1,798	–	10	Other Utilities	-	2,180	–	Grand total			1,07,973 Sq.m	1,053 Nos.
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9.	a) Water	During Operation																																																															

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	requirement KLD (After expansion)	Total water requirement – 750 kLD Fresh water requirement – 485 kLD Treated Water requirement – 265 kLD																												
10.	Quantity of Sewage KLD	Sewage Generation – 729 KLD Treated Generation – 633 KLD																												
11.	Details of /Sewage Treatment Plant	<table><tr><td>1.</td><td>Waste Water</td></tr><tr><td>2.</td><td>Bar screen</td></tr><tr><td>3.</td><td>Equalization Tank</td></tr><tr><td>4.</td><td>Aeration Tank - I</td></tr><tr><td>5.</td><td>Aeration Tank - II</td></tr><tr><td>6.</td><td>Tube Sattler</td></tr><tr><td>7.</td><td>Chemical Dosing</td></tr><tr><td>8.</td><td>Clarified tank</td></tr><tr><td>9.</td><td>Treated Water Tank</td></tr><tr><td>10.</td><td>Sludge Holding</td></tr><tr><td>11.</td><td>Filter Press</td></tr><tr><td>12.</td><td>Dry Sludge Disposal</td></tr><tr><td>13.</td><td>Saperated Water</td></tr></table>			1.	Waste Water	2.	Bar screen	3.	Equalization Tank	4.	Aeration Tank - I	5.	Aeration Tank - II	6.	Tube Sattler	7.	Chemical Dosing	8.	Clarified tank	9.	Treated Water Tank	10.	Sludge Holding	11.	Filter Press	12.	Dry Sludge Disposal	13.	Saperated Water
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12.	Mode of Disposal of treated sewage with quantity	Toilet Flushing – 246 KLD Greenbelt development – 19 KLD																												
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14.	Power requirement	5,000 KVA from Tamil Nadu Generation & Distribution Corporation																												
15.	Details of D.G. set with	Proposed 1Nos. of 250 kVA nos . proposed with stack height of 45																												

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	Capacity	above the ground level and 4 nos. of 400 KVA capacity DG sets proposed with stack height of 45 above the ground level																																					
16.	Details of Green Belt Area	5,428 sq.m																																					
17.	Details of Parking Area	<table><tr><th rowspan="2">Parking location</th><th colspan="2">Car parking</th><th colspan="2">Two Wheeler parking</th></tr><tr><th>No of car parks</th><th>Area (Sq.m)</th><th>No of two wheeler parks</th><th>Area (Sq.m)</th></tr><tr><td>Surface parking</td><td>173</td><td>2,163</td><td>898</td><td>1,617</td></tr><tr><td>Stilt parking</td><td>340</td><td>4,250</td><td>91</td><td>1,617</td></tr><tr><td>Basement parking</td><td>423</td><td>5,288</td><td>88</td><td>159</td></tr><tr><td>Total parking provided</td><td>936 nos</td><td>11,701 Sq.m</td><td>1,077 nos</td><td>1,940 Sq.m</td></tr><tr><td>Total parking required as per CMDA norms</td><td>910 nos</td><td>11,375 Sq.m</td><td>1,053 nos</td><td>1,895 Sq.m</td></tr></table>				Parking location	Car parking		Two Wheeler parking		No of car parks	Area (Sq.m)	No of two wheeler parks	Area (Sq.m)	Surface parking	173	2,163	898	1,617	Stilt parking	340	4,250	91	1,617	Basement parking	423	5,288	88	159	Total parking provided	936 nos	11,701 Sq.m	1,077 nos	1,940 Sq.m	Total parking required as per CMDA norms	910 nos	11,375 Sq.m	1,053 nos	1,895 Sq.m
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18.	Provision for rain water harvesting	Total Rainwater Runoff – 300cum per day No of recharge pits - 55nos.																																					
19.	EMP Cost (Rs.)	195.09 Lakhs																																					
20.	CER activities with the specific allocation of funds	Rs. 3.90 Crores																																					

Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to standard conditions stipulated by MOEF &CC:

1. The building shall conform to minimum of IGBC Gold green building norms and shall obtain IGBC certificate in this regard before obtaining CTO from TNPCB.
2. 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


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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 ecosystem.

3. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body for before obtaining CTO.
4. The project proponent shall provide STP and treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.
5. The PP shall adopt BOT contract so that the STP is maintained by the builder of STP for a minimum period of 10 years.
6. The treated/untreated sewage water shall not be let-out from the unit premises.
7. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor within the project site as committed and non- biodegradable waste to should be sent to authorized recyclers as committed.
8. The height of the stacks of DG sets shall be provided as per the CPCB norms.
9. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
10. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
11. The sludge generated from the sewage treatment plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
12. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
13. The green belt area should not be less than 20% of the total area. 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


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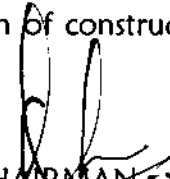

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aesthetics. A wide range of indigenous plant species should be planted as given in the Appendix, in consultation with the State Forest and Horticulture Departments. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

14. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
15. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
16. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
17. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
18. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
19. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in air, noise, solid waste disposal, sewage treatment & disposal etc., shall be followed strictly.
20. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
21. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring of the health of construction workers during COVID and post-COVID period.


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22. The project proponent shall measure the criteria air pollutants data (including CO) due to vehicular traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
23. Generation of the solar/renewable energy should not be less than 50% of total energy utilization and ensure that the entire roof of the building. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
24. 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.
25. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
26. The Project Proponent stated that an amount Rs. 3.90 crore shall be spent as CER. The amount of Rs. 2.50 Crores shall be spent for the habitat improvement of 5 Bird Sanctuaries in Ramanathapuram District and Rs. 1.40 crore shall be spent for infrastructure creation & improvement activities proposed for Government Schools around the project locality, before obtaining CTO from TNPCB.

Agenda No: 299-04

(File No: 7780/2020)

Proposed Rough Stone and Gravel quarry lease over an extent of 1.86.0 Ha at S.F.Nos. 351/2G and 351/2H, Arasampalayam Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Thiru K. Paramasivam - for Environmental Clearance (SIA/TN/MIN/55966/2020, dated 10.05.2022)

The project proposal is placed for appraisal in this 299th meeting of SEAC held on 23.07.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee noted that,


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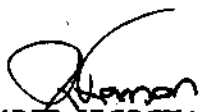
1. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
2. ToR Issued - Lr.No.SEIAA-TN.F.No.7780/SEAC/ToR-812/2020 Dated: 09.11.2020.
3. Public hearing Conducted on 19.01.2022.
4. EIA report submitted on 13.05.2022

Details of the proposal			
1	Name of the Owner/Firm	:	Thiru.K.Paramasivam Erathotti Thottam, Karacheri Periyakuyilai Post Chettipalayam Via Coimbatore District - 641 201
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	:	Rough Stone and Gravel
3	S.F No. of the quarry site with area break-up	:	351/2G & 351/2H
4	Village	:	Arasampalayam
5	Taluk	:	Kinathukadavu
6	District	:	Coimbatore
7	Extent of quarry (in ha.)	:	1.86.0Ha
8	Period of quarrying proposed	:	5 years
9	Type of mining	:	Opencast Semi Mechanized Mining
10	Proposed Production (Quantity in m3)	:	As per mining plan, the lease period and mining plan period is for 5 years and the total recoverable quantity shall not exceed 1,73,705cu.m of Rough Stone, 38,637cu.m of Weathered Gravel and 12,879 cu.m of Topsoil with an ultimate depth of mining is 39 m (1m Topsoil + 3m Weathered rock + 35m Rough stone) below ground level. The Annual peak production as per mining plan is 38,400cu.m of rough stone , 14,580 cu.m of weathered gravel and 4860 cu.m of Topsoil.

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11	Proposed depth of quarrying	:	39m (1m Topsoil+ 3m Weathered Gravel +35m Rough Stone)
12	Latitude & Longitude of all corners of the quarry site	:	10°52'37.12"N to 10°53'44.07"N 77°03'11.54"E to 77°03'16.83"E
13	Topo Sheet No.	:	58 F/01
14	Man Power requirement per day:		18 Employees
15	Precise area communication	:	Na.Ka.No. 350/Kanimam/2019, dated: 09.03.2020
16	Mining Plan	:	Rc. No. 350/Mines/2019, dated: 01.06.2020
17	500m cluster letter		Rc. No. 350/Mines/2019, dated: 29.07.2020
18	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression & Green Belt (in KLD)	:	4.1 KLD 0.7 KLD Water Vendors 3.4 KLD Existing Bore well
19	Power requirement: a. Domestic Purpose b. Industrial purpose		TNEB 1.47.505 lit of HSD
20	Depth of water table	:	70-65m
21	Whether any habitation within 300m distance	:	No. The VAO letter is enclosed.
22	Project Cost (excluding EMP cost)	:	Rs. 46.65 Lakh
23	EMP cost	:	Rs. 3.80 Lakh
24	CER cost		2% of Project Cost
25	VAO certificate regarding habitation within 300m radius		Letter dated 08.06.2020


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Based on the presentation made by the proponent and considering safety point of view, SEAC recommended to remove the last bench in XY-AB (VIII Bench). Accordingly SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production 1,69,790cu.m of Rough Stone, 38,637cu.m of Weathered Gravel and 12,879 cu.m of Topsoil for a restricted ultimate depth of 34 m (1m Topsoil + 3m Weathered rock + 30m Rough stone) below ground level for a period of five years and the annual peak production as per mining plan is 38,400cu.m of rough stone , 14,580 cu.m of weathered gravel and 4860 cu.m of Topsoil 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. Mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. Since the quarry is located in the cluster, the Project Proponent shall ensure strict compliance of the provisions given under the Mines Rules, 1955 for the health and welfare of the persons employed therein.
4. The PP shall submit an action plan before CTO to the AD (Geology & Mining) / DEE, TNPCB for closure of the operations being carried out in the temporary structure (Industrial kiln shelter for brick manufacturing) which is located at a distance of 120 m from the mine and dismantling it safely before the hard rough stone formation is mined out.
5. The PP shall furnish slope stability action plan to the concerned AD (Mines) for the systematic working by maintaining proper benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.


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6. 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 touched 40 m below ground level (or) during the 4th year whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT-Chennai, NIT Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, and any CSIR Laboratories 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.
7. Since habitations are located at a distance of 370 m, the PP shall carry out the controlled blasting using jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) and NONEL shock tube initiation system with muffling techniques to ensure the environmentally acceptable blasting operation.
8. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos 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 370 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
9. 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.
10. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent on the committed activities for Govt. Higher Sec. School, Arasampalayam Village before obtaining CTO from TNPCB.

Agenda No: 299-5

(File No: 9166/2022)

Proposed Brick Earth quarry lease over an extent of 1.69.0 Ha at S.F.Nos.17/6 and 166/3, Manjakollai Group Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru A.Amburose - for Environmental Clearance (SIA/TN/MIN/265682/2022, dated 05.04.2022)


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The project proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022 and the proponent made presentation on the project. The details of the project furnished by the proponent are given in the website(parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru A. Amburose has applied for Environmental Clearance for the proposed Brick Earth quarry lease over an extent of 1.69.0 Ha at S.F.Nos. 17/6 and 166/3, Manjakollai Group Village, Paramakudi Taluk, Ramanathapuram 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. In the mining plan, the production is stated as 10648 cu.m of Earth and the ultimate depth of 1.0m for a period of one year.

The Committee noted the following:

1. The Survey Numbers of Block I and Block II furnished in the project proposal are located 2.5km apart.
2. The Project proponent has applied seeking common Environmental Clearance for mining Brick Earth from both the project sites.
3. The Proponent has furnished Soil analysis report pertaining to only one project site.
4. The lease deed furnished by the Proponent is unregistered.

In view of the above, the Committee, after detailed discussions directed the Proponent to submit revised mining plan for mining at one project site along with other relevant documents.

Further, the Committee had observed the provisions given in the clause 6 (1) (c) of MMDR Act, 1957 which says that "*(1) No person shall acquire in respect of any mineral or prescribed group of associated minerals [in a State] –*

(c) "any reconnaissance permit, mining lease or prospecting licence in respect of any area which is not compact or contiguous". Here, it has been noted that


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the permission has been granted for a single mining lease comprises of two different areas located with a distance interval of 2.5 km from each other.

Hence the Committee decided to request the Member Secretary, SEIAA to obtain the reasons/remarks from the concerned AD/Mines about the rationale of permission granted to the PP for non-contiguous site.

On receipt of the reply, the Committee will examine the proposal further.

Agenda No: 299-06

(File No: 8985/2022)

Proposed Rough stone and Gravel quarry project over an extent of 0.81.0Ha in S.F.Nos. 134/1A1A at Panikkarkulam Village , Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru. P. Sheik Dawood - For Environmental Clearance.

(SIA/TN/MIN/253892/2022 dated: 29.01.2022)

The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. 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/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The Salient features of the project

Details of the proposal		
1.	Name of the Owner/Firm	: Thiru.P.Sheik Dawood S/o.Peer Mohamed Door No.11A, Pavalar Street Kayathar Taluk Thoothkudi District-628952
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough stone and Gravel
3.	S.F No. Of the quarry site with area break-up	: 134/1A1A
4.	Village in which situated	: Panikkarkulam
5.	Taluk in which situated	: Kayathar
6.	District in which situated	: Thoothukudi
7.	Extent of quarry (in ha.)	: 0.81.0Ha (patta land)
8.	Period of quarrying proposed	: 5 years

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9.	Type of mining		Opencast Mechanized mining
10.	Production (Quantity in m ³)	:	28,950m ³ of Rough stone & 9,420m ³ of Gravel
11.	Depth of quarrying	:	27m (2m Gravel + 25m Rough Stone)
12.	Latitude & Longitude of all corners of the quarry site	:	08°58'11.80"N to 08°58'16.62"N 83°43'57.09"E to 83°43'59.44"E
13.	Top Sheet No.	:	58 H/09
14.	Man Power requirement		16 Nos.
15.	Precise area District Collector with date	:	Rc.No. G.M.1/115/2021, Dated: 19.11.2021
16.	Mining Plan approved by Assistant Director(i/c), Department of G&M Mines with date	:	Rc.No. G.M.1/115/2021, Dated: 30.11.2021
17.	Assistant Director (i/c) , Department of G&M Mines with date 500m cluster letter		Roc.No. G.M.1/115/2021, Dated: 03.12.2021
18.	Water requirement: 3. Drinking & Domestic Purpose 4. Dust suppression 5. Green Belt (in KLD)	:	2.4 KLD 0.8 KLD 0.8 KLD 0.8 KLD
19.	Power requirement a. Domestic Purpose b. Industrial Purpose	:	24,722 Liters of HSD for the entire period of life
20.	Depth of water table	:	48m in rainy seasons and 53m in summer seasons
21.	Project Cost (Excluding EMP)	:	Rs. 18,99,000
22.	EMP cost	:	Capital Cost : Rs. 10,30,000 Recurring Cost : Rs. 15,61,500
23.	CER cost	:	Rs. 5,00,000
24.	VAO certificate regarding habitation within 500m radius	:	Date Not mentioned

Earlier this proposal was placed in 280th SEAC meeting held on 02.06.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the Project Proponent.

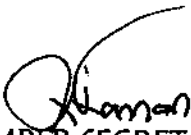
- (i) The project proponent shall upload the approved mining plan in online portal (Parivesh website).


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On the receipt of the above details, the proposal was placed in 299th SEAC meeting held on 23.07.2022. The PP made a presentation along with above said details. Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production as per the mining plan, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
4. The PP shall ensure that only controlled blasting operation involving line drilling and muffle blasting is carried out in the quarry such that no fly rock travel beyond 30 m from the blast site.
5. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round using jack hammer drilling (32-34 mm dia & 1.5 m length) with maintaining the 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 to ensure the environmentally acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.
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.


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7. As accepted by the Project proponent the CER cost is Rs. 2 lakhs and the amount shall be spent for the committed activities in Vivekananda Govt Aided School, Ambal as committed, before obtaining CTO from TNPCB.

Agenda No: 299-07

(File No: 8362/2020)

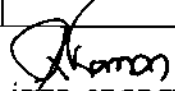
Proposed Rough Stone & Gravel Quarry lease over an extent of 1.33.0Ha in S.F.Nos.83/1C1B, 83/1C2 of Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu by Tmt.R.Baby - For Environmental Clearance. (SIA/TN/MIN/60707/2021, dated: 11.02.2021)

The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. 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/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, since the total area in the cluster exceeds 5 ha.
2. Earlier ToR was issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No.8362/SEAC/ToR- 981/2021 dated: 05.07.2021 restricting the depth to 42m.
3. Public Hearing was conducted on 21.01.2022
4. Project proponent EIA report submitted to SEIAA-TN on 10.06.2022.

Details of the proposal		
1	Name of the Owner/Firm	: Tmt.R.Baby W/o.R.S.Radhakrishnan No.96/65G,Ruba Nagar Ramanathapuram. Coimbatore District-641045
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Rough Stone & Gravel Quarry
3	S.F No. Of the quarry site with area break-up	: 83/1C1B, 83/1C2


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4	Village in which situated	:	Pachapalayam
5	Taluk in which situated	:	Sulur
6	District in which situated	:	Coimbatore
7	Extent of quarry (in ha.)	:	1.33.0Ha
8	Period of quarrying proposed	:	5 years
9	Type of mining		Opencast Mechanized Mining Method
10	Production (Quantity in m ³)	:	68,288m ³ of Rough stone & 2,430m ³ of Gravel
11	Latitude & Longitude of all corners of the quarry site	:	10°52'42.28" N to 10°52'46.62"N 77°02'50.93"E to 77°02'56.53"E
12	Top Sheet No.	:	58- F/01
13	Man Power requirement per day:		19 Nos.
14	Precise area communication approved by the District Collector with date	:	Na. Ka. No.448/Kanimam/2019, dated: 16.11.2019
15	Mining Plan approved by the Assistant Director (i/c)/ Joint Director, Department of Geology and Mining with date	:	Roc. No.448/Mines/2019, dated: 23.01.2020
16	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression 3. Green Belt (in KLD)	:	3.88 KLD 0.7 KLD 2.25 KLD 0.93 KLD
17	Power requirement a. Domestic Purpose b. Industrial Purpose		TNEB 300 Liters of HSD
18	Depth of quarrying	:	42m (2m Gravel + 40m rough stone)

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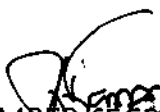
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19	Depth of water table	:	55m-60m
20	Whether any habitation within 300m distance	:	No
21	Project Cost (excluding EMP cost)	:	Rs. 43,50,600
22	EMP cost	:	Capital cost : Rs. 11,05,000 Recurring cost : Rs. 18,50,800
23	CER cost	:	Rs. 5,00,000
24	AD mines 500m cluster letter by the Assistant Director, Department of Geology and Mining with date	:	Roc. No.448/Mines/2019, dated: 05.12.2020
25	VAO certificate regarding 300m radius cluster	:	Letter dated: 09.01.2020 (VAO letter as in ToR application file Online No : 60707/2021)

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production 68288cu.m of Rough stone & 2430cu.m of Gravel for an ultimate depth of 42m, 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 around the mine lease area shall be completed before starting the production.


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3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations (MMR), 1961. The PP shall send the Notice of Opening of the proposed quarry to the Regional Inspector of Mines/Director of Mines, Chennai Region as per MMR, 1961 before obtaining the CTO from TNPCB.
4. The PP shall furnish a conceptual slope stability action plan to the AD/Mines-DGM, for the planned working by providing a suitable accessible haul road through proper gradient as per the provisions laid in the MMR 1961 with keeping the benches intact, as the depth of the proposed quarry is exceeding 40 m, before obtaining CTO from TNPCB.
5. However, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the working touches 40 m (or) in the fourth year of operation, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, NITK Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, and any other CSIR Laboratories 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.
6. Since habitations are located at a distance range of 300-500 m, the PP shall use only the jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) with a device for collection of dust from drilling (dust extractor facility) to ensure the environmentally acceptable drilling operations.
7. The PP shall prepare a Standard Operating Procedure (SOP) indicating the timing of the blasting, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the blasting operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
8. The PP shall ensure that only controlled blasting operation involving NONEL initiation system and muffle blasting shall be carried out in the quarry such that the blast-induced ground vibration level (Peak Particle Velocity) measured in

the houses/structures located at a distance of 330 m shall not exceed 2.0 mm/s and no fly rock travel beyond 20 m from the blast site.

9. The PP shall ensure that the blasting time is communicated to all the concerned residents around a radial distance of 500 m from the blast site and necessary sentries shall be provided such that no person/faunae is present in the danger zone.
10. The PP shall also explore the possibility of carrying out the 'Amalgamation' of the other adjacent quarries through the relevant 'Modified Mining Plan' approved by the competent authority, with prior permission from the Regional Inspector of Mines/Director of Mines, Chennai Region for preparing a suitable 'Progressive Mine Closure Plan' towards safe environment.
11. The PP shall prepare a Standard Operating Procedure (SOP) indicating the travelling route, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the transportation operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
12. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road is not damaged due to transportation of the quarried earth; and transport of the material will be carried out in accordance with the IRC Guidelines in order to comply with traffic congestion and density.
13. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
14. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.


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Agenda No: 299-08

(File No: 9084/2022)

Proposed Silica Sand Quarry lease over an extent of 4.38.5 Ha at S.F.No. 187/1, 200/1A of Thambikkottai Vadakadu Village, Pattukottai Taluk, Thanjavur District, Tamil Nadu by Thiru. A. Muthukumar - For Environmental Clearance.
(SIA/TN/MIN/260479/2022 dated 05.02.2022)

The proposal was placed in 299th meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given in the website (parives.nic.in).

The SEAC noted the following:

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

Details of the proposal		
1.	Name of the Owner/Firm	A.Muthukumar
2.	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Silica Sand quarry
3.	S.F No. Of the quarry site	187/1 & 200/1A
4.	Village in which situated	Thambikottai Vadakadu
5.	Taluk in which situated	Pattukottai
6.	District in which situated	Thanjavur
7.	Extent of quarry (in ha.)	4.38.5 Ha
8.	Period of quarrying proposed	10 years
9.	Type of mining	Opencast semi Mechanised Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 10 years. The mining plan is for the period of Five years. The total production for 5 years not to exceed 299361 MT of silica sand. The annual peak production as per mining plan is 60411 MT of silica sand (5 th year) with ultimate depth of 8m.
11.	Latitude & Longitude of all corners of the quarry site	10°22'43.1846"N to 10°22'51.0291"N 79°27'56.8094"E to 79°28'05.5731"E
12.	Topo Sheet No.	58N/07


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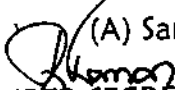
13.	Man Power requirement per day:	13 Nos.
14.	Precise area communication approved by the District Collector with date	Roc No. 4867/MMC.1/2021-1, dated 01.12.2021
15.	Mining Plan approved by the Assistant Director of Geology and Mining with date	Rc. No. 8518/MM7/2019, dated: 03.03.2022
16.	Water requirement: 4. Drinking & domestic purposes 5. Dust suppression & Wet drilling 6. Green Belt Development	5.25KLD 1.25 KLD 2.5 KLD 1.5 KLD
17.	Source of water: i) Domestic ii) Others	Mineral water in water cans from industries Water Tank
18.	Power requirement:	50-60 litres of HSD/day
19.	Depth of quarrying	8m below ground level
20.	Depth of water table	12m bgl
21.	Whether any habitation within 300m distance	No
22.	Project Cost (excluding EMP cost)	52.00Lakhs
23.	EMP cost	5.50lakhs
24.	CER cost	10Lakhs towards Point Calimere Wildlife Sanctuary
25.	AD mines 500m cluster letter	Rc. No. 95/Mines/2018, dated: 08.03.22
26.	VAO certificate regarding 300m radius cluster	Letter dated 08.03.2022

Earlier, this proposal was placed in The proposal was placed in this 283rd Meeting of SEAC held on 09.06.2022. Based on the presentation and document furnished by the project proponent, SEAC decided to ask for the following additional details from the Project Proponent.

(i) The project proponent shall furnish documentary evidence from the DFO,

Thiruvavur showing the distance between the nearest R.F [Point Calimere

(A) Sanctuary] and the proposed quarry site.


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(ii) As there is a railway track nearby, NOC from the Railway Authorities.

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

On the receipt of the same, it was again been placed in 299th SEAC meeting held on on 23.07.2022. Based on the presentation and documents furnished by the project proponent, SEAC recommended to grant Environmental Clearance for the production as per the mining plan, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
4. 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.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. The Project proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B &


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dump mining, mineral transportation mode, ultimate depth of mining etc.) 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.

7. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
8. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
9. 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 and submit the consolidated report to TNPCB once in six months.
10. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
11. 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.
12. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture


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University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

13. 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
14. 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.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m 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.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.


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19. 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.
20. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
21. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
22. 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.
23. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
24. 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.
25. 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.
26. 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.


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27. 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.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix –II of this Minutes.
29. 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.
30. Since the proposed project located within 10km from Point Calimere (A) Sanctuary, as per OM No. F.No.23-43/2018-IA.III Dt. 8.8.2019, para 4(ii), the PP shall remit Rs 10 lakh to concerned DFO, Thiruvavur to carry out appropriate conservation measures.

Agenda No: 299-09

(File No: 8034/2020)

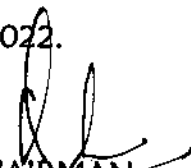
Proposed Rough Stone & Gravel Quarry lease over an extent of 1.34.5 Ha in S.F.Nos.90/2(P) & 91/1A(P) of Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru.R.Nataraj - For Environmental Clearance. (SIA/TN/MIN/76693/2020, dated: 06.05.2022)

The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The total area in the cluster exceeds 5 ha and hence the project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
2. Earlier ToR was issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No.8034/SEAC/ToR-893/2020 dated: 16.03.2021 restricting the depth to 32m.
3. Public Hearing was conducted on 21.01.2022
4. Project proponent EIA report submitted to SEIAA-TN on 13.05.2022.


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Details of the proposal		
1	Name of the Owner/Firm	Thiru.R.Nataraj No.3/183, Karachey, Chettipalayam Kinathukadavu Taluk, Coimbatore District- 641201
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Rough Stone and Gravel
3	S.F No. Of the quarry site	90/2(P) and 91/1A(P)
4	Village in which situated	Pachapalayam
5	Taluk in which situated	Sulur
6	District in which situated	Coimbatore
7	Extent of quarry (in ha.)	1.34.5 ha
8	Latitude & Longitude of all corners of the quarry site	10°49'49.45"N to 10°52'55.57"N 77°02'38.33"E to 77°02'43.22"E
9	Topo Sheet No.	58 F/01
10	Type of mining	Opencast Mechanized Mining
11	Period of quarrying proposed	5 years
12	Production (Quantity in m ³)	153750m ³ Rough stone and 15580m ³ of Gravel
13	Depth of quarrying	32 m BGL
14	Depth of water table	60-65m BGL
15	Man Power requirement per day:	20 Nos.
16	Source of Water Requirement	Packaged drinking water from approved water vendors for domestic purposes and accumulated rainwater/seepage water in quarry pits for others.
17	Water requirement: 7. Drinking & domestic purposes 8. Dust suppression 9. Green Belt Development	2.0 KLD 0.5 KLD 1.0 KLD 0.5 KLD
18	Power requirement a. Domestic purpose b. Industrial Purpose	TNEB 300 Liters of HSD/day per project

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19	Whether any habitation within 300m distance	No
20	Precise area communication approved by the. District Collector, with date	Na.Ka..No.1474/Kanimam/2017, dated 09.09.2019
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	Rc.No.1474/Mines/2017, dated 18.02.2020
22	Assistant Director, Department of Geology and Mining 500m cluster letter	Rc.No.1474/Mines/2020, dated 06.08.2020
23	VAO certificate regarding 300m radius	Letter dt: 13.02.2020
24	Project Cost (excluding EMP cost)	Rs.38.478 Lakh
25	EMP cost	Rs.3.80 Lakhs
26	CER cost	Rs.5.0 Lakhs
27	ToR Issued details	Tor Issued letter No. SEIAA-TN/F. No. 8034/SEAC/ToR-893/2020 dated 16.03.2021.
28	Public Hearing Details	Public hearing conducted on: 21.01.2022
29	EIA Report Received	EIA received on: 13.05.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production 153750cu.m of Rough stone & 15580cu.m of Gravel for an ultimate depth of 32m, 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 around the mine lease area shall be completed before starting the production.
3. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation


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as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations (MMR), 1961. The PP shall send the Notice of Opening of the proposed quarry to the Regional Inspector of Mines/Director of Mines, Chennai Region as per MMR, 1961 before obtaining the CTO from TNPCB.

4. The PP shall furnish a conceptual slope stability action plan to the AD/Mines-DGM, for the planned working by providing a suitable accessible haul road through proper gradient as per the provisions laid in the MMR 1961 with keeping the benches intact, as the depth of the proposed quarry is exceeding 30 m, before obtaining CTO from TNPCB.
5. Since habitations are located at a distance range of 300-500 m, the PP shall use only the jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) with a device for collection of dust from drilling (dust extractor facility) to ensure the environmentally acceptable drilling operations.
6. The PP shall prepare a Standard Operating Procedure (SOP) indicating the timing of the blasting, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the blasting operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
7. The PP shall ensure that only controlled blasting operation involving NONEL initiation system and muffle blasting shall be carried out in the quarry such that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 350 m shall not exceed 2.0 mm/s and no fly rock travel beyond 20 m from the blast site.
8. The PP shall ensure that the blasting time is communicated to all the concerned residents around a radial distance of 500 m from the blast site and necessary sentries shall be provided such that no person/fauna is present in the danger zone.
9. The PP shall also explore the possibility of carrying out the 'Amalgamation' of the other adjacent quarries through the relevant 'Modified Mining Plan' approved by the competent authority, with prior permission from the Regional Inspector of Mines/Director of Mines, Chennai Region for preparing

a suitable 'Progressive Mine Closure Plan' towards safe environment.

10. The PP shall prepare a Standard Operating Procedure (SOP) indicating the travelling route, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the transportation operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
11. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road is not damaged due to transportation of the quarried earth; and transport of the material will be carried out in accordance with the IRC Guidelines in order to comply with traffic congestion and density.
12. 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.
13. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.

Agenda No: 299-10

(File No: 8909/2022)

Proposed expansion of Active Pharmaceutical Ingredients manufacturing in existing plant at S.F.No 61, S.R. Kandigai Road, Chinna Obulapuram Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by M/s. Panvo Organics Private Limited - For Environmental Clearance.(SIA/TN/IND3/237246/2021 Dt. 03.11.2021).

The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. 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. Panvo Organics Pvt.Ltd has applied for Environmental Clearance for the proposed expansion of Active Pharmaceutical Ingredients manufacturing in existing plant at S.F.No 61, S.R. Kandigai Road, Chinna Obulapuram Village, Gummidipoondi Taluk, Tiruvallur District, Tamil


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2. The project/activity is covered under Category "B2" of Item 5(f) "Synthetic Organic Chemicals" of the Schedule to the EIA Notification, 2006.

Based on the presentation and document furnished by the project proponent, SEAC directed the proponent to submit the following additional details.

1. Documentary evidence stating that there is no change in product mix or quantity since 2006.
2. Documentary evidence showing that no expansion activities were carried out since 2006.
3. Since Pulicat Lake is situated near the project site, the PP shall obtain NBWL clearance, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.
4. A certificate/letter stating the distance of the project site from the Interstate Boundary, duly signed by an officer of Revenue Department not below the rank of Tahsildar shall be submitted.

Agenda No: 299-11

(File No: 8679/2021)

Proposed Rough Stone and gravel quarry lease area over an extent of 1.98.0 Ha at S.F No 571/2B(P), 572/1(P), 572/2(P) & 572/4(P), Irukkandurai Part-II Village, Radhapuram Taluk, Tirunelveli District by Thiru.T.Bright Singh Chelladurai-For Environmental Clearance.(SIA/TN/MIN/211408/2021, dated: 03.08.2021).

The proposal was earlier placed for appraisal in 260th SEAC Meeting held on 1.4.2022 and 286th meeting of SEAC held on 17.6.2022. The details of the project furnished by the proponent are given in the web site (parivesh.nic.in).

The SEAC noted the following:

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

Details of the proposal		
1.	Name of the Owner / Firm	Thiru.T.Bright Singh Chelladurai S/o. K.C. Thangaraj No.1/112A, Perumal Kovil Street Kothai Gramam, Ozhuginasery , Nagercoil Kanniyakumari-629001

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2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone, Jelly & Gravel
3.	S.F No. of the quarry site with area break-up	571/2B(P), 572/1(P), 572/2(P) & 572/4(P)
4.	Village in which situated	Irukkandurai Part-II
5.	Taluk in which situated	Radhapuram
6.	District in which situated	Tirunelveli
7.	Extent of Quarry (in ha.)	1.98.0ha Patta Land
8.	Period of Quarrying proposed	5 years
9.	Type of Mining	OpencastSemi Mechanized mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 3,57,430 m ³ of Rough stone and 31,350m ³ of gravel and 15,076m ³ of Weathered Rock. The Annual peak production as per mining plan is 69675m ³ of rough stone (5 th year), 14047 m ³ Weathered Rock (1 st year) and 29092 m ³ gravel (1 st year) with proposed depth of 48m(BGL).
11.	Latitude & Longitude of all corners of the quarry site	08°10'10.21"N to 08°10'17.06"N 77°39'15.54"E to 77°39'20.56"E
12.	Topo sheet No.	58 H/11 & 12
13.	Man power requirement per day:	24 Nos
14.	Precise Area Communication approved by the District Collector Tirunelveli District with date	Rc.No.Rc.No.M1/21440/2018, dated 12.10.2020
15.	Mining plan approved by the	Rc.No.M1/21440/2018, dated 15.10.2020

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	Joint Director/Assistant Director (i/c), Directorate of Geology and Mining with date	
16.	500mts letter approved by the Joint Director/Assistant Director (i/c), Department of Geology and Mining with date	Rc.No.M1/21440/2018, dated 15.10.2020
17.	Water requirement: 1. Drinking & domestic purposed (in KLD) 2. Dust Suppression & Green Belt (in KLD)	2.5 KLD 1.5 KLD 0.5 KLD 0.5 KLD
18.	Power requirement: a. Domestic purpose b. Machinery works	TNEB
19.	Depth of Mining	48m below ground level
20.	Depth of Water table	63m-66m
21.	Whether any habitation within 300m distance	No
22.	Project cost (excluding EMP cost)	Rs. 88.02 lakhs
23.	EMP cost	Rs. 5.60 Lakhs
24.	CER cost	Rs. 1.76 Lakh
25.	VAO letter dated	23.04.2021

Based on the presentation, documents and hydro geological study report furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the certain conditions as stated therein. Subsequently, this proposal has placed in 504th SEIAA meeting held on

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6.5.2022. After detailed discussion, the Authority decided to refer back the proposal to SEAC with certain reasons.

This proposal has been placed before 286th SEAC meeting held on 17.6.2022. The PP has made the representation along with said details. Based on the presentation and documents furnished by the project proponent, SEAC directed the PP to submit the details required by SEIAA by way of annexure to the Hydro-Geological Study and deferred the proposal.

The PP has furnished the reply to SEIAA vide letter dated 22.06.22. This proposal has been placed before 299th SEAC meeting held on 23.7.2022. The PP has made the representation along with annexure obtained from University of Madras. Based on the presentation and documents furnished by the project proponent, SEAC noted that in report obtained from University of Madras it is stated that,

" Uppar is a small drainage course, dry most of the year and as such in the report it is considered it as seasonal stream and mentioned no major river is present within the 3km radius. Practically in the field also it is not a major river".

Based on the above clarification, the committee decided to obtain the following details from the PP.

1. The PP shall obtain NOC from KKNPP, since the project is located within 5 km from the KKNPP.

Agenda No: 299-12

(File No: 7804/2021)

Proposed Rough Stone quarry lease area over an extent of 1.00.0 Ha at S.F No .176 (Bit - 1), Pottanam Village, Senthamangalam Taluk, Namakkal District by Thiru. R. Varadaraju -For Environmental Clearance. (SIA/TN/MIN/55761/2020, dated: 16.03.2022).

The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given in the web site (parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.


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2. ToR Issued vide Lr No - SEIAA-TN/F.No.7804/SEAC/ToR-873/2020

Dated: 12.03.2021.

3. Public hearing Conducted on 30.12.2021.

Details of the proposal		
1.	Name of the Owner / Firm	Thiru.R.Varadaraju No.M1-14, Mullai Nagar Moganur Road Namakkal Taluk Namakkal District - 637 001
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone quarry
3.	S.F No. of the quarry site with area break-up	S.F No .176 (Bit - 1)
4.	Village in which situated	Pottanam Village
5.	Taluk in which situated	Senthamangalam Taluk
6.	District in which situated	Namakkal District
7.	Extent of Quarry (in ha.)	1.00.0 Ha
8.	Period of Quarrying proposed	Five years
9.	Type of Mining	Opencast Mechanized Mining
10.	Production (Quantity in m ³)	As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 2,40,625m ³ of Rough stone with ultimate depth of mining 50m above ground level. The Annual peak production as per mining plan is 52,500m ³ of rough stone.
11.	Latitude & Longitude of all corners of the quarry site	11°18'08.44"N to 11°18'12.24"N 78°12'43.65"E to 78°12'48.41"E
12.	Topo sheet No.	58- I/ 3
13.	Man power requirement per day:	27 Employees
14.	Precise Area Communication approved by the District Collector Namakkal District with date	Rc.No.1444/Kanimam/2019, Dated: 20.12.2019

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15.	Mining plan approved by the Assistant Director of Geology and Mining with date	Roc. No. 1444/Mines/2019, dated:06.05.2020
16.	500mts letter approved by the Assistant Director of Geology and Mining with date	Roc. No. 1444/Mines/2019, dated:06.05.2020
17.	Water requirement: 1. domestic purposed (in KLD) 2. Dust Suppression (in KLD) 3. Green Belt (in KLD)	2.8 KLD 1.0KLD Water Tankers 0.8 KLD Rain water accumulated in Mine Pit/ Water Tanker 1.0 KLD Rain water accumulated in Mine Pit/ Water Tanker
18.	Power requirement: c. Domestic purpose d. Machinery works	TNEB 300 Liters of HSD/day
19.	Depth of Mining	50m above ground level.
20.	Depth of Water table	67m-72m below ground level
21.	Whether any habitation within 300m distance	No
22.	Project cost (excluding EMP cost)	59.50 Lakhs
23.	EMP cost	8.00 Lakhs
24.	CER cost	5 Lakhs
25.	VAO letter dated	Letter dated 31.07.2020

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the total production for 5 years not to exceed 2,40,625m³ of Rough stone with ultimate depth of mining 50m above ground level with an annual peak production of 52,500m³ of rough stone, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan

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approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt12.4.2022.

2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
3. The Project Proponent (PP) shall submit an 'Action Plan' for carrying out the realignment of the benches in the existing quarry pits and shall also furnish a 'Slope stability action plan' incorporating the haul road ramp keeping the benches intact for the proposed quarry lease as the depth of the proposed quarry is exceeding 30 m to the office of concerned AD (Mines) before obtaining CTO from TNPCB.
4. Since habitations are located at a distance range of 500 m, the PP shall use only the jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) with a device for collection of dust from drilling (dust extractor facility) to ensure the environmentally acceptable drilling operations.
5. The PP shall prepare a Standard Operating Procedure (SOP) indicating the timing of the blasting, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the blasting operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
6. The PP shall ensure that only controlled blasting operation involving NONEL initiation system and muffle blasting shall be carried out in the quarry such 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 travel beyond 20 m from the blast site.
7. The PP shall ensure that the blasting time is communicated to all the concerned residents around a radial distance of 500 m from the blast site and necessary sentries shall be provided such that no person/fauna is present in the danger zone.


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8. The proponent shall ensure that the transportation of the quarried materials with appropriate covering 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 habitations. The Project proponent shall ensure that the road is not damaged due to transportation of the quarried earth; and transport of the material will be carried out in accordance with the IRC Guidelines in order to comply with traffic congestion and density.
9. The PP shall carry out the quarrying operation from the top to downwards in the hillock by forming proper benches of adequate geometry as stipulated in the Approved Mining Plan and the scientific studies shall be carried out to assess the slope stability of the benches and quarry wall when the depth of the working touches 40 m (or) in the fourth year of operation whichever is earlier, by involving a reputed Research and Academic Institution such as NIRM, IIT Madras, NITK Surathkal – Dept of Mining Engg, Anna University Chennai-CEG Campus, and any other CSIR Laboratories 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.
10. The PP shall provide the welfare amenities such as toilet facilities and rest shelter to the persons employed in the mine as per the provisions of Mines Rules, 1955.
11. 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.
12. As accepted by the Project Proponent the CER cost is Rs. 5 lakhs and the amount shall be spent to the committed activities for Panchayath Union Primary School, Salaiyur Village before obtaining CTO from TNPCB.

Agenda No. 299-13

(File No. 9009/2022)

Proposed Black Granite quarry over an extent of 2.69.0 Ha in S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 & 1/11, In Siruvadi Village, Marakkanam (formerly Tindivanam) Taluk,


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Villupuram District, Tamil Nadu by Thiru S. Sumanth Ram (Legal Heir of Thiru Sriram)
- For Environmental Clearance. (SIA/TN/MIN/257200/2022 dated: 17.02.2022)

The proposal was earlier, placed in the 281st Meeting of SEAC held on 03.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. S. Sumanth Ram has applied for Environmental Clearance for the proposed Black Granite quarry lease over an extent of 2.69.0 Ha in S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 & 1/11 in Siruvadi Village, Marakkanam (formerly Tindivanam) Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

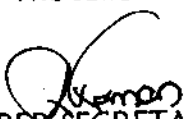
Based on the presentation and document furnished by the project proponent, SEAC decided to seek the following additional details from the Project Proponent.

- (i) The project proponent shall get consent from all the pattadhars and register the same, since the mining lease which was originally granted to Thiru.R.Sriram, expired on 31.08.2019.

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


The proposal was placed in this 299th SEAC meeting held on 23.07.2022. Based on the presentation and document furnished by the project proponent, SEAC noted as follows:

1. The project proponent submitted a copy of the registered general power of attorney with other legal heirs.
2. The project proponent has submitted the compliance of condition report vide F.No.EP/12.1/2022-23/SEIAA/46/TN dated 30.06.2022 obtained from the intergrade Regional office (IRO), MoEF&CC, Chennai for the EC already obtained from DEIAA vide Lr. Dated 04.12.2018.
3. The salient feature of the project is as follows:


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Sl. No.	Details of the proposal	
1.	Name of the Owner / Firm	S. Sumanth Ram, (Legal heir of Sriram) S/o. R. Sriram, 1st Floor, Athi Illam, Parson Sristi Apartments, Opposite to Fathima College, Madurai District, Tamil Nadu – 625 018.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Black Granite quarry
3.	S.F No. of the quarry site with area break-up	S.F.Nos. 1/1A, 1/1B, 1/2, 1/6A, 1/9 and 1/11
4.	Village in which situated	Siruvadi Village
5.	Taluk in which situated	Marakkanam Taluk
6.	District in which situated	Viluppuram District
7.	Extent of Quarry (in ha.)	2.69.0 Ha
8.	Latitude & Longitude of all corners of the quarry site	12°13'34.00"N to 12°13'40.51"N 79°50'01.54"E to 79°50'09.56"E
9.	Topo sheet No.	57- P /16
10.	Type of Mining	Opencast Mechanized Mining
11.	Lease Period	20 years (i.e., 25.10.2010 to 24.10.2030)
12.	Period of Quarrying Planned	five years (i.e. Second Scheme of Mining Period is 2020-21 to 2024-25)
13.	Total Excavation Planned during the above Scheme of Mining Period (Quantity in m ³)	29,977 m ³ (ROM) which includes 2998 m ³ of Black Granite & 26979 m ³ of Granite waste and 7982 m ³ of Top soil. The Annual peak production as per mining plan is 6000 m ³ of ROM (4 th & 5 th years) & production of Black granite 600 m ³ (4 th & 5 th years) with proposed depth of 32m BGL.
14.	Depth of quarrying	32m (2m Topsoil + 30m Black Granite) BGL
15.	Depth of water table	40m BGL
16.	Man power requirement per day:	25 Employees
17.	Precise Area Communication approved by the, industries	G.O.(3D) No.46, Industries (MMB.2) Department Dated 04.10.2010. Lease


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	Department, with date	period 20 years – 25.10.2010 to 24.10.2030.
18.	Mining plan approved by Director of Geology and Mining with date	Rc. No. Rc.No.7838/MM4/2021. Dated: 31.01.2022.
19.	Assistant Director, Department of Geology and Mining 500mts letter	Rc. No. B/G&M/124/2021. Dated: 04.02.2022
20.	VAO letter dated	05.02.2022
21.	Project cost (excluding EMP cost)	Rs.1.35 Cores
22.	EMP cost	Rs.3.80Lakhs
23.	CER cost	10.00 lakhs (accepted by PP)

During the appraisal of the project, the PP has furnished a detailed information pertaining to the granite quarrying as given below:

- The production targets are conservative and follow the statutory rules and regulations issued by the Govt to quarry the **Black granite** at this location and sold to international and domestic markets.
- The PP is also demarcated a dedicated area within the leasehold area for dumping of the non-saleable granite waste.
- The waste rock (or) overburden/side burden rock (or) other rejects excavated in the quarry is also dumped within the leasehold area and it will be used for constructing the safety berms, bunds for developing the green belt during the life of 20 years and the remaining waste at the end of life will be used for backfilling purposes into the mined-out area of the quarry during the final closure plan.
- In case of non-feasibility of backfilling, the waste dumps will suitably terraced and stabilised by planting adequate vegetation as stipulated by the SEAC, as a part of progressive mine closure plan & rehabilitation plan approved by the competent authority under the provisions of the Granite Conservation & Development Rules, 1999.
- Long term & shorter ecological and environmental impacts such as air pollution due to dust, exhaust emissions or fumes, the discharge of toxic and objectionable effluents, noise arising out during the mining operations of granite and related activities are adequately mitigated in the EMP.
- It is submitted that the environmental impact is directly linked to the total excavation quantity which includes the RoM being mined out from the mineralised zone of quarry and not restricted to saleable production quantity (recovery alone).
- In some period, the situation arises where the recovery falls down to even very low value as 2 to 3% of RoM which neither provides an economically viable operation in the interest of revenue generation for company as well as the

State Government and also it is not conducive to protect the environment in a sustainable manner.

- Mining recoverable reserves may vary subject to the quality of Granite mining methodology and the existing Geological features such as structural, textural formations and very significantly, the current market demand for the Granite being mined.
- Further, it is well known that without extracting the Run of Mine (ROM) the recoverable production (recovery) is not possible.
- The total of quantity of granite waste produced during the life of the quarry period will be utilised / dumped as per the conditions stipulated in the approved Mining Plan. Here, in case of utilization of granite waste for further beneficial purposes as per market trend (or) the Govt directions, the company shall get a revised / modified Mining Plan along with Mine Closure Plan from the competent authority.
- The PP have informed that any one of the following five scenarios that will be focused on the reclamation planning of the proposed quarry, which are:
 - To use mined land as agricultural purpose as the stored water will be utilised for cultivation;
 - To reshape the quarry and design an residential area;
 - To use the area as a place for educational purposes;
 - To revegetate the mined land with appropriate species for foresting and
 - Using the area as a promenade site/eco park for tourists.

These criteria have been determined according to mine site properties studied earlier through EIA/EMP such as micro and macro climate conditions, hydrology and hydrogeology, chemical and physical properties of soil, geological and geotechnical parameters and etc.

- The PP had indicated that the final mine closure plan includes the action plan for protection of the quarry once it is completed its life (or) abandoned by installing necessary safety provisions such as fencing, etc is provided in the Mining Plan.

The PP have informed that the granite waste blocks produced from the quarry (non-saleable granite) will be transported taking adequate environmental mitigation measures similar to the recovered Granite blocks as stipulated in EMP, in case of processing plant is situated outside the leasehold area.

After detailed deliberations, Based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a total production of 29,977 m³ of ROM (which includes 2998 m³ of recoverable Black Granite & 26979 m³ of Granite waste, and 7982 m³ of Top soil for a period of five years) with a Peak Annual Production Capacity of 6000 m³ of ROM, subject to the normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:


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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the 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 extract the dimensional stone blocks through non-explosive techniques such that the surrounding structures are not impacted.
3. The PP shall install the surface drains (Gallery drainage) around the boundary of the proposed quarry and all visible (or) identified tension cracks should be filled up to restrict the rain water entry through the slopes during the operational stage.
5. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
6. 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.
7. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
8. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) 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


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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.

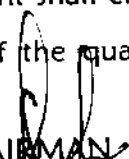
9. The Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.
10. 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 and submit the consolidated report to TNPCB once in six months.
11. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
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 to be adopted by considering the wind direction.
13. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. 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.


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14. 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.
15. **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.
16. 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 and the abandonment of the granite quarries as assured in the Environmental Management Plan & the approved Mine Closure Plan.
17. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
18. 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.
19. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
20. 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


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

21. 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.
22. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
23. 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.
24. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, 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.
25. 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.
26. 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.
27. 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.


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28. 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.
29. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
30. 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.
31. 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.
32. 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.
33. As accepted by the Project Proponent the CER cost is Rs. 10 lakhs and the amount shall be spent to the committed activities for Panchayat union primary school, Siruvadi before obtaining CTO from TNPCB.

Agenda No: 299-14

(File No: 8043/2020)

Proposed Rough Stone & Gravel Quarry lease over an extent of 1.48.0 Ha in S.F.Nos.84/5A of Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru.K.Nataraj-For Environmental Clearance. (SIA/TN/MIN/58147/2020, dated: 07.05.2022)

The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given


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on the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.K.Nataraj has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.48.0 Ha at S.F.Nos.84/5A of Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The total area in the cluster exceeds 5 ha and hence the project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier ToR was issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No.8043/SEAC/ToR-915/2020 dated:16.03.2021 with a condition that considering the Environment point of view, committee decided to restrict the ultimate depth of mining to 28m (3m + 25m) BGL and the same was accepted by the proponent. Hence the restricted quantity that shall be mined as per the approved mining plan is Rough Stone: 59704 Cu.m and Gravel: 1950 Cu.m.
4. Public Hearing was conducted on 21.01.2022
5. ProjectproponentEIAreportssubmittedtoSEIAA-TNon13.05.2022.

The salient features of the project are as follows:

Details of the proposal		
1.	Name of the Owner / Firm	K.Nataraj, S/o. KuppusamyGounder, TheerthakinaruThottam, Karacheri, Chettipalayam via, Kinathukadavu Taluk, Coimbatore District – 641 201.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough stone and Gravel quarry
3.	S.F No. of the quarry site with area break-up	84/5A(P)
4.	Village in which situated	Pachapalayam Village
5.	Taluk in which situated	Sulur Taluk
6.	District in which situated	Coimbatore District
7.	Extent of Quarry (in ha.)	1.48.0 Ha
8.	Latitude & Longitude of all corners	10°52'38.92"N to 10°52'45.65"N


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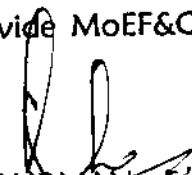
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	of the quarry site	77°02'44.32"E to 77°02'47.80"E
9.	Topo sheet No.	58 -F/01
10.	Type of Mining	Opencast Mechanized Mining
11.	Period of Quarrying proposed	five years
12.	Production (Quantity in m3)	59,704m3 Rough Stone & 1,950m3 Gravel
13.	Depth of quarrying	28m (3m Gravel + 25m Rough Stone) BGL
14.	Depth of water table	65m-60m (BGL)
15.	Precise Area Communication approved by the, District Collector, with date	Rc.No.257/Mines/2018, Dated: 09.09.2019
16.	Mining plan approved by Joint Director/Assistant Director (i/c), Department of Geology and Mining, with date	Rc. No. 257/Mines/2018, Dated: 18.02.2020.
17.	Joint Director/Assistant Director (i/c), Department of Geology and Mining 500mts letter	Rc. No. 257/Mines/2018, Dated: 06.08.2020.
18.	VAO Certificate regarding 300m Radius letter dated	04.02.2022
19.	Project cost (excluding EMP cost)	Rs.47,21,900
20.	EMP cost	Rs.3,80,000
21.	CER cost	5 Lakhs (as accepted by PP)

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production of 59704 cu.m of Rough stone & 1950cu.m of Gravel for an ultimate depth of 28m, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


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2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. Mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations (MMR), 1961. The PP shall send the Notice of Opening of the proposed quarry to the Regional Inspector of Mines/Director of Mines, Chennai Region as per MMR, 1961 before obtaining the CTO from TNPCB.
4. Since habitations are located at a distance range of 300-500 m, the PP shall use only the jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) with a device for collection of dust from drilling (dust extractor facility) to ensure the environmentally acceptable drilling operations.
5. The PP shall prepare a Standard Operating Procedure (SOP) indicating the timing of the blasting, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the blasting operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
6. The PP shall ensure that only controlled blasting operation involving NONEL initiation system and muffle blasting shall be carried out in the quarry such that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 350 m shall not exceed 2.0 mm/s and no fly rock travel beyond 20 m from the blast site.
7. The PP shall ensure that the blasting time is communicated to all the concerned residents around a radial distance of 500 m from the blast site and necessary sentries shall be provided such that no person/faunae is present in the danger zone.
8. The PP shall also explore the possibility of carrying out the 'Amalgamation' of the other adjacent quarries through the relevant 'Modified Mining Plan' approved by the competent authority, with prior permission from the Regional Inspector of Mines/Director of Mines, Chennai Region for preparing a suitable 'Progressive Mine Closure Plan' towards safe environment.

9. The PP shall prepare a Standard Operating Procedure (SOP) indicating the travelling route, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the transportation operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
10. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road is not damaged due to transportation of the quarried earth; and transport of the material will be carried out in accordance with the IRC Guidelines in order to comply with traffic congestion and density.
11. 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.
12. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.

Agenda No: 299-15


(File No: 8106/2020)

Proposed Rough stone quarry lease over an extent of 5.00.0 Ha at S.F. No. 170 (Part -1) of Chennampatti Village, Anthiyur Taluk, Erodu District, Tamil Nadu by Thiru. S.Selvakumar – For Environmental Clearance. (SIA/TN/MIN/ 58884/2020 dated 22.05.2022)

The proposal was placed in this 299th Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. S.Selvakumar has applied for Environmental Clearance for the Proposed Rough stone quarry lease over an extent of 5.00.0 Ha at S.F. No. 170 (Part -1) of Chennampatti Village, Anthiyur Taluk, Erodu District, Tamil.
2. The project/activity is covered under Category “B1” of Item (a) “Mining Projects” of the Schedule to the EIA Notification, 2006.


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3. ToR was issued with public hearing by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.8106/SEAC/TOR-852/2020 dated 18.02.2021.

4. Public hearing was conducted on 12.12.2021.

Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

“ ... No quarrying or mining or crushing activities shall be carried out within one kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests”.

The Committee noted that the Kannamoochi Reserve Forest is located at a distance of 900 m from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.

Agenda No: 299-16

(File No: 8568/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.40.0 Ha at S.F. No. 187/1, 187/2, 187/3 & 188/2 of Kottanatham Village, Viruthunagar Taluk, Viruthunagar District by M/s. K.V. Aggregates – For Environmental Clearance.

(SIA/TN/MIN/213465/2021 dated 16.06.2021)

The proposal was placed in this 299th Meeting of SEAC held on 23.07.2022. The EIA Coordinator stated that there are two applications in the name of the same proponent, namely, M/s. K.V. Aggregates and for the present proposal under examination. EC has already been issued by SEIAA and the proposal for which EC is pending has not been listed in the Agenda.

Hence, the SEAC decided to defer the proposal and request SEIAA to clarify on the above points.

Agenda No: 299-17

(FileNo:8631/2020)

Proposed Rough Stone & Gravel Quarry lease over an extent of 1.41.50 Ha in S.F.Nos.90/3A, 90/3B, 91/1B1, 91/1B2, 91/1B3, 91/1C, 91/2A & 91/2B of Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru.M.Anandha Prabhu-For Environmental Clearance. (SIA/TN/MIN/64571/2021, dated: 08.07.2021)


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The proposal was placed for appraisal in this 299th meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The total area in the cluster exceeds 5 ha and hence the project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
2. Earlier ToR was issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No.8631/SEAC/ToR-1026/2020 dated: 26.08.2021 with a condition that considering the Environment point of view, committee decided to restrict the ultimate depth of mining to 33m (2m + 1m + 30m) BGL and the same was accepted by the proponent. Hence the restricted quantity that shall be mined as per the approved mining plan is Rough Stone: 70,590 m³, Weathered Rock: 2,052m³ and Gravel: 4,524m³.
3. Public Hearing was conducted on 21.01.2022
4. ProjectproponentEIAreportsubmittedtoSEIAA-TNon13.05.2022.

The salient features of the project are as follows:

Details of the proposal		
1.	Name of the Owner / Firm	Thiru.M.Anandha Prabhu, S/o. Marimuthu, No. 3/226A, Karachery, Kinathukadavu Taluk, Coimbatore District – 641 201.
2.	Type of quarrying (savudu / Rough stone / Sand / Granite)	Rough Stone and Gravel quarry
3.	S.F No. of the quarry site with area break-up	90/3A, 90/3B, 91/1B1, 91/1B2, 91/1B3, 91/1C, 91/2A & 91/2B
4.	Village in which situated	Pachapalayam Village
5.	Taluk in which situated	Sulur Taluk
6.	District in which situated	Coimbatore District
7.	Extent of Quarry (in ha.)	1.41.5 Ha
8.	Latitude & Longitude of all corners of the quarry site	10°52'48.20"N to 10°52'55.98"N 77°02'42.23"E to 77°02'46.01"E
9.	Topo sheet No.	58 - F/01

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10.	Type of Mining	Opencast Mechanized Mining
11.	Period of Quarrying proposed	five years
12.	Production (Quantity in m3)	70,590m3 Rough Stone and Gravel 4,524m3
13.	Depth of quarrying	33m (2m Gravel + 1m Weathered Rock + 30m Rough Stone) BGL
14.	Depth of water table	70m-65m (BGL)
15.	Precise Area Communication approved by the, Assistant Director, Department of Geology and Mining, with date	Rc.No.391/Mines/2020, Dated: 23.02.2021
16.	Mining plan approved by Assistant Director, Department of Geology and Mining, with date	Rc.No.391/Mines/2020, Dated: 06.05.2021.
17.	Assistant Director, Department of Geology and Mining, with date 500mts letter	Rc. No. 391/Mines/2020, Dated: 06.05.2021.
18.	VAO Certificate regarding 300m Radius letter dated	19.02.2021.
19.	Project cost (excluding EMP cost)	Rs.45.55Lakhs
20.	EMP cost	Rs.3.80Lakhs
21.	CER cost	5 Lakhs (accepted by PP)

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production of 70,590m3 Rough Stone and Gravel 4,524m3 for an ultimate depth of 33m, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


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2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. Mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations (MMR), 1961. The PP shall send the Notice of Opening of the proposed quarry to the Regional Inspector of Mines/Director of Mines, Chennai Region as per MMR, 1961 before obtaining the CTO from TNPCB.
4. Since habitations are located at a distance range of 300-500 m, the PP shall use only the jack hammer drilled shallow holes (32-34 mm dia & 1.5 m length) with a device for collection of dust from drilling (dust extractor facility) to ensure the environmentally acceptable drilling operations.
5. The PP shall prepare a Standard Operating Procedure (SOP) indicating the timing of the blasting, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the blasting operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
6. The PP shall ensure that only controlled blasting operation involving NONEL initiation system and muffle blasting shall be carried out in the quarry such that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 350 m shall not exceed 2.0 mm/s and no fly rock travel beyond 20 m from the blast site.
7. The PP shall ensure that the blasting time is communicated to all the concerned residents around a radial distance of 500 m from the blast site and necessary sentries shall be provided such that no person/fauna is present in the danger zone.
8. The PP shall also explore the possibility of carrying out the 'Amalgamation' of the other adjacent quarries through the relevant 'Modified Mining Plan' approved by the competent authority, with prior permission from the Regional Inspector of Mines/Director of Mines, Chennai Region for preparing a suitable 'Progressive Mine Closure Plan' towards safe environment.

9. The PP shall prepare a Standard Operating Procedure (SOP) indicating the travelling route, safety measures, etc. in consultation with the owners/PPs of the other quarries located within the vicinity of this cluster project for carrying out the transportation operation smoothly, without affecting the legislative requirements of MMR 1961 & related DGMS Circulars.
11. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road is not damaged due to transportation of the quarried earth; and transport of the material will be carried out in accordance with the IRC Guidelines in order to comply with traffic congestion and density.
12. 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.
13. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent as committed, before obtaining CTO from TNPCB.

Agenda No: 299-18

(File No: 9184/2021)

Proposed Earth quarry lease over an extent of 1.19.00 Ha at S.F. No. 220/2B, 218/2, 218/1A & 217/4 of Melaperumpallam Village, Tharangampadi Taluk, Mayiladuthurai District, Tamil Nadu by Thiru. K. Rajesh – For Environmental Clearance.

(SIA/TN/MIN/268877/2022 dated 21.04.2022)

The proposal was placed in this 299th Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

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

Details of the proposal			
1.	Name of the Owner/Firm	:	Thiru.K.Rajesh S/o. Kaliyaperumal No.1-52A, Main Road Arasur, Erukkur Post

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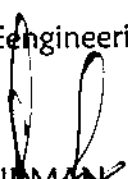
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		Sirkazhi Taluk Mayiladuthurai -609 108
2.	Type of quarrying	: Earth
3.	S.F No. Of the quarry site	: 220/2B, 218/2, 218/1A & 217/4
4.	Village in which situated	: Melaperumpallam
5.	Taluk in which situated	: Tharangambadi
6.	District in which situated	: Nagapattinam
7.	Extent of quarry (in ha.)	: 1.19.00Ha (patta land)
8.	Period of quarrying proposed	: 1 year
9.	Type of mining	Opencast semi Mechanized mining
10.	Production (Quantity in m ³)	: 12,036 m ³ of Earth
11.	Depth of quarrying	: 2m
12.	Latitude & Longitude of all corners of the quarry site	: 11°07'26.91"N to 11°07'32.58"N 79°48'25.19"E to 79°48'28.39"E
13.	Top Sheet No.	: 58 M/16
14.	Man Power requirement	7 Nos.
15.	Precise area District Collector with date	: Rc.No. 84/Mines/2021, Dated: 20.01.2022
16.	Mining Plan approved by Assistant Director, Department of G&M Mines with date	: Rc.No. 84/Mines/2021, Dated: 18.03.2022
17.	Assistant Director (i/c) , Department of G&M Mines with date 500m cluster letter	: Rc.No. 84/Mines/2021, Dated: 18.03.2022
18.	Depth of water table	: 20 m
19.	EMP cost	: Rs. 1,30,000
20.	CER cost	: Rs. 2 Lakhs
21.	Total Project Cost	: Rs. 7,29,000
22.	VAO certificate regarding habitation within 300m radius	: Letter Dated:29.03.2022

3. As per the mining plan, the lease period is for 1 years, the total quantity of recoverable should not exceed 12,036 Cu.m of Earth with an ultimate depth of mining is 2 m Below Ground Level.

4. The project proponent has submitted soil test report from division of soil mechanics and foundation engineering Department of Civil Engineering .


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College of Engineering Guindy campus, Anna university, Chennai -600 025 vide SM&FE 204U/Soil Test/Melaperumpallam Village/2022 dated 20.07.2022.

5. Assistant Director, Geology and Mining, Nagapattinam in its precise area communication letter dated 20.01.2022 stated that

"4) The Assistant Geologist of Geology and Mining, Nagapattinam has inspected the applied area and furnished technical report vide reference 4th cited. In the report, it is reported that, the applied Survey Nos. 220/2B, 218/2, 218/1A & 217/4 over an extent of 1.19.00 hectares stands in the name of the applicant Thiru. Rajesh S/o. Kaliyaperumal vide patta no.2024. The area applied for quarry lease is flat sedimentary terrain covered by Earth deposits Clayey soil occurs below it. The Earth available is ideally suitable for Road work, filling work and other allied activities. No habitations are present within 300 meter radial distance of the applied area. No permanent structures are present within the applied area. A vaikkal in S.F.No.218/4 is present on the Southern side of the applied area. No flora and fauna of botanical importance is noted in the applied area. The village in which the lease applied area is situated is not classified as a Hill Village."

Based on the presentation and document furnished by the project proponent. After detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for 12,036 Cu.m of Earth with an ultimate depth of mining is 2m Below Ground Level, subject to the standard conditions as per the Annexure of this minutes & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

- 1.The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the


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provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.

3. 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.
4. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
5. 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 like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, dump management, dump mining, mineral transportation mode, ultimate depth of mining etc.) 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.
6. 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 and submit the consolidated report to TNPCB once in six months.
7. The Proponent shall ensure that the noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
8. 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.

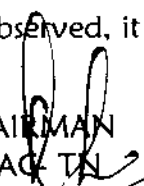
9. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University. 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.
10. 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.
11. 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.
12. 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 and the abandonment of the granite quarries assured in the Environmental Management Plan & the approved Mine Closure Plan.
13. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
14. 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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15. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
16. 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.
17. 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.
18. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted, as per
19. 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.
20. 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.
21. 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.
22. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will


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render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.

23. 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.
24. 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.
25. The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. The Project Proponent shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.
26. 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.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. 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.
29. As accepted by the Project Proponent the CER cost is Rs. 2 lakhs and the amount shall be spent for the committed activities for Panchayat Union Primary School, Melaperumpallam before obtaining CTO from TNPCB.


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Agenda No: 299-19

(File No: 8344/2021)

Proposed Construction of Development of Industrial Park over an extent of 189.39 Ha (467.977 Acres) at S.F. Nos. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappakundu Village, S.F.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village & S.F.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of Upparpatti Village, Theni Taluk, Theni District, Tamil Nadu by M/s. State Industries Promotion Corporation of Tamil Nadu- For Environmental Clearance. (SIA/TN/MIS/75113/2021, dated 13.04.2022)

The proposal was placed in this 299th Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available on the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The project/activity is covered under Category "B1" of Item 8(b) "Township and Area Development Projects)" of the Schedule to the EIA Notification, 2006.
2. Terms of Reference were issued to the said project vide Lr.No.SEIAA-TN/F.No.8344/SEAC/8(b)/ToR-987/2021 dated 05.07.2021.
3. The Salient features of the project are as follows:

S. No	Description	Details
1.	Name of the Project	State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) SIPCOT Limited Tamil Nadu under Sl. No 8 (b) of the Schedule.
2.	Location	S.F.No.10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappakundu Village, S.F.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4.

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		42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village & S.F.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of Upparpatti Village, Theni Taluk, Theni District, Tamil Nadu																																																																
3.	Type of Project	Townships and area development Projects Schedule 8 (b): >1,50,000 sq.																																																																
4.	Total Plot Area : 189.39 Ha (467.977 Acres)																																																																	
	<table><tr><th>Area break up</th><th>Acres</th><th>Ha</th><th>%</th></tr><tr><td>Plot area</td><td>279.62</td><td>113.15</td><td>60.76</td></tr><tr><td>Common amenities (Project office, Health centre, Fire station, training centre etc)</td><td>6.16</td><td>2.49</td><td>1.34</td></tr><tr><td>Commercial activities (shops, bank, STM, Food court, restaurant etc.)</td><td>14.19</td><td>5.74</td><td>3.08</td></tr><tr><td>Utility (EB, water supply, water treatment plant etc.)</td><td>12.37</td><td>5.01</td><td>2.69</td></tr><tr><td>Solid waste Management area</td><td>4.11</td><td>1.67</td><td>0.89</td></tr><tr><td>Logistics/ Parking</td><td>12.95</td><td>5.24</td><td>2.82</td></tr><tr><td>OSR (10% after deduction of road area 460.19-66.92 = 393.27 x10% = 39.33 Acres)</td><td>39.33</td><td>15.92</td><td>8.55</td></tr><tr><td>Green belt in other areas</td><td>22.79</td><td>9.23</td><td>4.95</td></tr><tr><td>Road, Storm water drain</td><td>66.92</td><td>27.08</td><td>14.54</td></tr><tr><td>Industrial Housing</td><td>1.75</td><td>0.71</td><td>0.38</td></tr><tr><td>Total Developable area</td><td>460.19</td><td>186.24</td><td>100</td></tr><tr><td>Existing cartrack</td><td>0.73</td><td>0.30</td><td></td></tr><tr><td>Water body (as per revenue records)</td><td>2.43</td><td>0.98</td><td></td></tr><tr><td>HT line (22 m ROW -110 kV)</td><td>4.62</td><td>1.87</td><td></td></tr><tr><td>Total</td><td>467.97</td><td>189.39</td><td></td></tr></table>		Area break up	Acres	Ha	%	Plot area	279.62	113.15	60.76	Common amenities (Project office, Health centre, Fire station, training centre etc)	6.16	2.49	1.34	Commercial activities (shops, bank, STM, Food court, restaurant etc.)	14.19	5.74	3.08	Utility (EB, water supply, water treatment plant etc.)	12.37	5.01	2.69	Solid waste Management area	4.11	1.67	0.89	Logistics/ Parking	12.95	5.24	2.82	OSR (10% after deduction of road area 460.19-66.92 = 393.27 x10% = 39.33 Acres)	39.33	15.92	8.55	Green belt in other areas	22.79	9.23	4.95	Road, Storm water drain	66.92	27.08	14.54	Industrial Housing	1.75	0.71	0.38	Total Developable area	460.19	186.24	100	Existing cartrack	0.73	0.30		Water body (as per revenue records)	2.43	0.98		HT line (22 m ROW -110 kV)	4.62	1.87		Total	467.97	189.39	
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*Industries will be mandated to provide 33% of green belt within their premises.																																																																		
Total green belt proposed for Industrial Park is 62.48 Ha (33.55 %) of																																																																		

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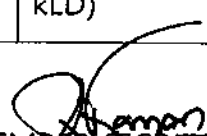
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	Developable area of 186.24 Ha.																	
5.	Built up area	<p>2,07,736.10 Sq.m</p> <p>1. The Industrial Park is envisaged to accommodate the following industries which do not fall under "A" & "B" category as per EIA notification 2006 and amendments thereof. Type of industries proposed are given below</p> <table><tr><th>Industry Type</th><th>Approximate % of plotted area</th></tr><tr><td>Food Industries- Baked goods and fruit based Pulp, paste, jam, Dhal processing, milk chilling, dry fruit & cardamom processing, baked food products, coffee processing etc.</td><td>43</td></tr><tr><td>Textile – Readymade garments and apparel manufacturing RMG, surgical cotton, buildtech, seri culture, banana silk etc.</td><td>24</td></tr><tr><td>Engineering - Metal Fabrication industries etc.</td><td>3</td></tr><tr><td>Mineral products - cutting and polishing of marble stones, Emery powder manufacturing, Granite processing, ceramic etc.</td><td>5</td></tr><tr><td>Other non EC category industries – MSME support industries such as auto components & machinery, packaging industries, rubber products like mats & gloves, bio fertilizers, etc.</td><td>25</td></tr><tr><td>Industrial Housing (1.75 acres)</td><td>Housing area is separated from Industrial plots</td></tr><tr><td>Total</td><td>100</td></tr></table>	Industry Type	Approximate % of plotted area	Food Industries- Baked goods and fruit based Pulp, paste, jam, Dhal processing, milk chilling, dry fruit & cardamom processing, baked food products, coffee processing etc.	43	Textile – Readymade garments and apparel manufacturing RMG, surgical cotton, buildtech, seri culture, banana silk etc.	24	Engineering - Metal Fabrication industries etc.	3	Mineral products - cutting and polishing of marble stones, Emery powder manufacturing, Granite processing, ceramic etc.	5	Other non EC category industries – MSME support industries such as auto components & machinery, packaging industries, rubber products like mats & gloves, bio fertilizers, etc.	25	Industrial Housing (1.75 acres)	Housing area is separated from Industrial plots	Total	100
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Industrial Housing (1.75 acres)	Housing area is separated from Industrial plots																	
Total	100																	
6.	Brief description of the project	<p>1. The Industrial Park is envisaged to accommodate the following industries which do not fall under "A" & "B" category as per EIA notification 2006 and amendments thereof. Type of industries proposed are given below</p>																

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		Industry Type	Approximate % of plotted area
		Food Industries- Baked goods and fruit based Pulp, paste, jam, Dhal processing, milk chilling, dry fruit & cardamom processing, baked food products, coffee processing etc.	43
		Textile – Readymade garments and apparel manufacturing RMG, surgical cotton, buildtech, seri culture, banana silk etc.	24
		Engineering - Metal Fabrication industries etc.	3
		Mineral products - cutting and polishing of marble stones, Emery powder manufacturing, Granite processing, ceramic etc.	5
		Other non EC category industries – MSME support industries such as auto components & machinery, packaging industries, rubber products like mats & gloves, bio fertilizers, etc.	25
		Industrial Housing (1.75 acres)	Housing area is separated from Industrial plots
		Total	100
7.	Cost of Project	Rs.469.18 Crores	
8.	a) Water requirement: Construction phase: 60 kLD <u>Operation phase:</u> Total water requirement: 4218 kLD from TWAD Board (Mullaiperiyar River) Fresh water: 2576 kLD Recycled water: 1642 kLD (Treated Effluent: 850 kLD and Treated Sewage: 792 kLD)		


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	Water Usage	Fresh water (KLD)	Recycled water (KLD)	Total water(KLD)	
	Domestic	854	22	876	
	Process& utilities	305	850	1155	
	Green belt development	1417	770	2187	
	Total	2576	1642	4218	
	b) Source	TWAD Board (Mullaiperiyar River)			
9.	Waste Water management :				
	Sewage from industries	730	Will be treated by individual industries and reused for flushing green belt development.		
	sewage from industrial housing	62	Will be treated in STP of 70 KLD and treated sewage will be used for flushing within the housing and excess will be sent for green belt development within the Industrial Park.		
	Effluent from individual industries	860	Will be treated by individual industries and reused for process and utilities. ZLD will be maintained by individual industries.		
10.	Solid Waste Generation and Management				
	Component	Operation phase(Kg/day)	Disposal Method		
	MSW Organic waste	4899	Individual industries will segregate the waste and organic waste will be composted and used as manure for green belt development. Upon allotment of all the industries within IP, 4 Acres of land will be allotted to the contractor selected through tendering process for establishment of Solid waste management facility PPP basis. The compost will be used as manure for green belt development and Inorganic waste will		

			sold to TNPCB authorized recyclers/local vendors.																				
	MSW/Inorganic waste	3266	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors by individual industries.																				
	For Industrial Housing																						
	Organic waste	136	Organic waste will be composted in Organic Waste Converter and the compost will be used as manure for green belt development.																				
	Inorganic waste	91	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors																				
11.	Power requirement	21 MVA from TANGEDCO																					
12.	Manpower (Nos)	Construction phase: 150nos Operation phase: 19514nos																					
13.	Details of Green Belt Area																						
	<table><tr><td>Green belt break up</td><td>Area (Acres)</td><td>Area (Ha)</td><td>Area (%)</td></tr><tr><td>OSR Area (15 m along periphery of site and 10m along water body)</td><td>39.33</td><td>15.92</td><td>8.55</td></tr><tr><td>33% green belt in industrial plots</td><td>92.27</td><td>37.34</td><td>20.05</td></tr><tr><td>Green belt in other areas</td><td>22.79</td><td>9.22</td><td>4.95</td></tr><tr><td>Total</td><td>154.39</td><td>62.48</td><td>33.55</td></tr></table>			Green belt break up	Area (Acres)	Area (Ha)	Area (%)	OSR Area (15 m along periphery of site and 10m along water body)	39.33	15.92	8.55	33% green belt in industrial plots	92.27	37.34	20.05	Green belt in other areas	22.79	9.22	4.95	Total	154.39	62.48	33.55
Green belt break up	Area (Acres)	Area (Ha)	Area (%)																				
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14.	EMP Cost	Capital Cost- Rs. 26.54 Crores Recurring Cost: Rs.39 Lakhs																					
15.	CER cost	Rs. 2 Crores																					

Based on the presentation and documents furnished by the project proponent, SEAC noted as follows:


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1. ToR was issued inclusive of S.F.Nos. 4/1 of Poomalaikundu Village, whereas the project proponent now applied for the entire S.F.Nos. 4 of Poomalaikundu Village. It was informed by PP that the development of the industrial park is inclusive of the entire S.F.Nos. 4, which was mentioned S.F.Nos. 4/1 instead of S.F.No.4 in the ToR application and ToR was issued. Apart from that, there is no change in the total extent of the area of the proposed industrial park.
2. The PP has informed that a letter dated 18.05.2022 has been addressed by Chinnamanur Forest Office, Chinnamanur, Theni District to Assistant Director, Srivilliputhur Megamalai Tiger Reserve, Megamalai, Theni , for the estimation for removal of trees in the project proposed area & another letter dated 27.07.2021 from Chinnamanur Forest Office, Chinnamanur, Theni District to Megamalai wildlife sanctuary, Theni.
3. It was reported that Neem – 123 Nos, Saali Tree – 13,850 Nos, Usil tree – 527 Nos, Vaagai Tree – 329 Nos & Melgira – 246 Nos, totally 15174 Nos. of trees present in the site. Out of 15174 trees, approximately 380 trees will be removed during the laying of road for the Industrial park. To compensate for the loss 380 trees, additional, 3800 no. of trees will be planted in the green belt area proposed for the project. No. of trees proposed in green belt area of 62.48 ha =93,720, apart from this, 3800 trees will also be planted to compensate the loss of trees cut for road laying. Overall trees proposed are 97,520 Nos of trees.

After detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The water body such as odai present in the proposed site shall be maintained properly.
2. The Project proponent shall obtain the necessary permission from the competent Authority for utilization of OSR area for green belt development before applying CTO from TNPCB.
3. The project proponent shall obtain necessary permission from competent


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Authority for the drawal of water from Mullai Periyar River before applying CTO from TNPCB.

4. The Proponent shall ensure that no schedule A & B industries as per EIA Notification 2006, shall be allowed in the industrial Park as committed.
5. Individual industries shall be advised to retain the trees if possible. In case of removal of trees, the industries shall be required to plant 10 trees for every tree that is cut.
4. The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.
5. The height of the stacks of DG sets shall be provided as per the CPCB norms.
6. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
7. The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
8. The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. 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 and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR.
9. The project proponent shall provide entry and exit points for the OSR area as per the norms for the public usage and as committed.


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10. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
11. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
12. No waste of any type to be disposed of in any other way other than the approved one.
13. The Proponent shall ensure that all the units provide dispenser for the disposal of sanitary napkins.
14. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
15. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
16. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
17. Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
18. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP and shall revise the EMP for planting and maintenance of the 97,520 Nos of trees in the green belt area including 3800 compensate trees as stated above.
19. As accepted, the PP shall remit Rs 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni, to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.

Agenda No: 299-20.

(File No: 8786/2022)

Proposed Rough Stone and Gravel quarry lease over an extent of 2.00.5 Ha at S.F.No. 99/A1A(P), 99/A2F&99/A2G(P), Muthur Village, Kinathukadavu Talluk, Coimbatore District, Tamil Nadu by Thiru. S.P.Ramalingam for Terms of Reference (SIA/TN/MIN/67507/2021, Dt.11.09.2021)

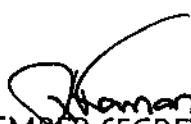
The proposal was placed in this 299th Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

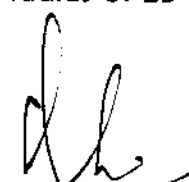
The SEAC noted the following

1. The Project Proponent, Thiru. S.P.Ramalingam has applied for Terms of Reference for the proposed Rough Stone and Gravel quarry lease over an extent of 2.00.5 Ha at S.F.No. 99/A1A(P), 99/A2F&99/A2G(P), Muthur Village, Kinathukadavu Talluk, Coimbatore District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication/lease is issued for the period of 5 years. The approved mining plan is for the period of five years & production should not exceed 116971 cu.m of rough stone, & 10532 Cu.m of Gravel . The annual peak production is 27065 cu.m of rough stone (4th year), & 4992 Cu.m of Gravel (1st year). The ultimate depth is 27 m BGL.


Based on the presentation made by the proponent and considering safety point of view, SEAC has decided to recommend grant of Terms of Reference (TOR) with Public Hearing is issued for the production of 116971 cu.m of rough stone, & 10532 Cu.m of Gravel in 5 years with ultimate depth 27m BGL, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.


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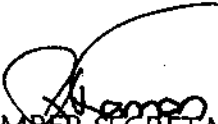

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2. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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,
 - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b. Quantity of minerals mined out.
 - c. Highest production achieved in any one year
 - d. Detail of approved depth of mining.
 - e. Actual depth of the mining achieved earlier.
 - f. Name of the person already mined in that leases area.
 - g. If EC and CTO already obtained, the copy of the same shall be submitted.


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- h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
8. 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).
 9. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
 10. 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.
 11. 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.
 12. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
 13. Since watercourses are situated within a distance of 70 m, the PP shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to

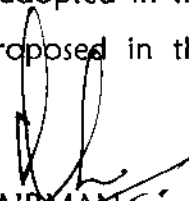

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mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.

14. 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.
15. 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.
16. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
17. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
18. 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.
19. 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.
20. 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.



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21. Impact on local transport infrastructure due to the Project should be indicated.
22. 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.
23. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
24. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
25. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
26. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
27. 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.
28. 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 and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
29. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the

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

30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
35. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
36. 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.
37. 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


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

38. 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.

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

Agenda No: 299-21


(File No: 9108/2022)

Proposed additional construction of existing infrastructure facilities for Hospital, Institutional building and Hostels on plot bearing Survey Nos: S.No. 149/2 and 150/1 & 4 of Karambakkam Village, S.No. 39/2 & 4 of Chettairagaram Village and S.No.79/2, 80/2, 81 to 85, 86/2, 87 to 102, 103/2 and 104 to 109/1 & 2 of Thandalam Village of Greater Corporation of Chennai, Zone – XI, Division – 150 and S.No. 151/6, 163/5 & 6, 187/2, 188 to 221 of Ayyappan Thangal Village & S.No. 1 to 3 of Thelliyaragaram Village, Sriperumpudur Taluk , Kundrathur Panchayat Union, Kanchipuram district and in S.No. 210/1 & 4 of Vanagaram Village, Ambattur Taluk, Villivakkam Panchayat Union, Ambattur Taluk, Tiruvallur District by M/s. Sri Ramachandra Educational And Health Trust – For Terms of Reference (SIA/TN/MIS/71548/2022), Dt:29.01.2022.

The proposal was placed in 299th SEAC meeting held on 23.07.2022. 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 M/s.Sri Ramachandra Educational And Health Trust has applied for Terms of Reference for the proposed additional construction of existing infrastructure facilities for Hospital, Institutional building and Hostels on plot bearing Survey Nos: S.No. 149/2 and 150/1 & 4 of Karambakkam Village, S.No. 39/2 & 4 of Chettairagaram Village and S.No.79/2, 80/2, 81 to 85, 86/2, 87 to 102, 103/2 and 104 to 109/1 & 2 of Thandalam Village of Greater Corporation of Chennai, Zone – XI, Division – 150 and S.No. 151/6, 163/5 & 6, 187/2, 188 to 221 of Ayyappan Thangal Village & S.No. 1 to 3 of Thelliyaragaram Village, Sriperumpudur Taluk , Kundrathur Panchayat Union,


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Kanchipuram district and in S.No. 210/1 & 4 of Vanagaram Village. Ambattur Taluk, Villivakkam Panchayat Union, Ambattur Taluk, Tiruvallur District.

2. The project/activity is covered under Category "B" of item 8(b) "Building and Construction Projects" of the Schedule to the EIA Notification' 2006.
3. Earlier, the PP has obtained EC vide Lr No. SEIAA /TN /F.No. 527/EC/8(b)/197/2012 Dt: 16.07.2013 & Extension of validity/Amendment vide Lr. No. SEIAA-TN/F-527/2012/A/-Ext/2016 Dt: 24.06.2016.
4. The Project consists existing Built-up area of 393454.22 Sq. m & 133002.04 Sq. m. proposed Built-up area. Total Built up area after expansion $393454.22 + 133002.04 = 526456.26$ Sq.m. The total land area 669604.19 Sq.m.(No additional land for the proposed expansion activity).
5. Auto ToR Generated on 21.04.2022.

The Office memorandum dated: 09.06.2015 in regard to Clarification regarding Gazette Notification No. S.O. 3252 (E) dated 22.12.2014 on applicability of Environment Clearance states that

"The Ministry is in receipt of representation from various educational institutions regarding issuing clarification on status of universities, and other educational institutions. The matter has been further examined in the Ministry and it is clarified that the Notification No. S.O. 3252 (E) dated 22.12.2014 provides exemption to buildings of educational institutions including universities form obtaining prior Environment Clearance under the provisions of the EIA Notification, 2006 subject to sustainable environmental Management. In case of medical universities/institutes the component of Hospitals will continue to require prior Environment Clearance."

The Office memorandum dated: 19.05.2022 in regard to Clarification regarding Gazette Notification No. S.O. 3252 (E) dated 22.12.2014 & O.M Dt: 09.06.2015 on applicability of Environment Clearance states that

" In this regard, Department of Higher Education, Ministry of Education has

informed that different types of education institutions in terms of school,


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college, university, technical institutions, etc., have been defined in various statutes for the purpose of recognition, affiliation, accreditation etc. However, there is no specific definition of the term 'educational institutions'. Further, Department of Higher Education informed that as per Noise Pollution (Regulation and Control) Rules, 2000 under the Environment Protection Act, 1986, the term 'educational institutions' has been defined, as:

"educational institution" means a school, seminary, college, university, professional academies, training institutes or other educational establishment, not necessarily a chartered institution and includes not only buildings, but also all grounds necessary for the accomplishment of the full scope of educational instruction, including those things essential to mental, moral and physical development."

The matter has been examined in the Ministry and it has been decided that the exemption provided for educational institutions vide Ministry's Notification No. S.O. 3252 (E) dated 22.12.2014 shall be applicable to all educational institutions covered under the definition of educational institution as mentioned in Noise Pollution (Regulation and Control) Rules, 2000. However, these educational institutions shall strictly implement the guidelines issued vide OM dated 9th June 2015 to ensure sustainable environment management."

The proposal was placed for appraisal in 299th meeting of SEAC held on 23.07.2022. It was noted that project proponent was absent for the appraisal. Hence, the SEAC has decided to call for explanation of the PP for not attending the meeting.

Agenda No: 299-TA-01

(File No: 9265/2022)

Proposed Sand quarry over an extent of 4.95.5 Ha in Vaipparu river located at S.F.No: S1095 (P), Nenmeni village, Sattur Taluk, Viruthunagar District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance. (SIA/TN/MIN/271159/2022 Dt.13.5.2022)

The proposal was placed for appraisal in this 299th SEAC Meeting held on 23.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


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The SEAC noted the following:


1. The Proponent, Executive Engineer, PWD/WRD, has applied for Environmental Clearance proposed Sand quarry over an extent of 4.95.5 Ha in Vaipparu river located at S.F.No: S1095 (P), Nenmeni village, Sattur Taluk, Viruthunagar 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. As per mining plan, the lease period is 6 months and the mining plan for the period of 6 months & mining quantity should not exceed 49550 cu.m. of sand. The ultimate depth 1 metres below bed level.
4. Earlier the proposal was placed in 293rd SEAC meeting held on 08.07.2022. Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub-Committee constituted by SEAC to assess the present Environmental Condition.

Based on the above, The State Expert Appraisal Committee (SEAC) TamilNadu constituted a sub-committee vide its Lr.No.SEAC/TN/9265SiteInspection/2022, dt.08.07.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Nenmeni village in SF No. S1095 (P) Sattur Taluk, Viruthunagar District. The Committee comprises of Thiru R.Thangaprakasam, member SEAC.

As per the above letter the sub-committee visited the site on 13.07.2022. The observations made in the field and recommendation derived on the basis of the field visit is as below:

Observations:

- Proposed sand quarry is located on the southern side of the Nenmeni Village in SF. No.1095 (P) in the river bed of Vaippar. It is close to the left bank of Vaippar river.
- It is located on 2.5km downstream of Irukkangudi Reservoir on the upstream there is on gauging scale fixed of CPWD at 520m.


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- On the downstream there is a causeway connecting Nenmeni and Vannimadai village at 645m and down below the causeway two intank wells feed the drinking water need of the village.
- The sand at the proposed site is replenished well and sand is deposited above the bed level.
- It was informed by the WRD officials that a temporary road with bio-degradable material will be formed along the banks of river to transport the sand to the yard.

Recommendations:

- The following recommendations of the Enforcement & Monitoring Guidelines for Sand Mining, 2020 of the MoEFCC, Government of India (Annexure VIII Salient provision for sand mining in the state of Tamil Nadu) can be implemented.

"To monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months".

- In this endeavour, Groundwater Wing of the Water Resources Department of the PWD may be engaged.
- As per Rule 36 of the Tamil Nadu Minor Mineral Concession Rules 1956, no sand quarry should be allowed within 500m radial distance from the location of any bridge, water supply system, infiltration well or pumping installation. Hence, EC is recommended to the Nenmeni sand quarry in SF No. 105(P) in the river bed of Vaippar river.

The proposal has again been placed in 299th SEAC meeting held on 23.7.2022. Based on the recommendations of the sub-committee and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the normal conditions stipulated by

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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.
2. 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 the EMP as committed.
3. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.95.5 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
4. The depth of sand quarrying shall be restricted to 1 m from the theoretical bed level.
5. The project proponent shall monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
6. An interdisciplinary team consisting of hydrogeologists, soil scientists, PWD engineers, TWAD Board engineers, and officials may be formed. It can conduct a scientific study to decide the distance or a range of distance that should be maintained between a sand quarry and infiltration and collection wells.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.


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10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
14. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
15. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
16. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
17. The mining operation should be above the ground water table.
18. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
19. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
20. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

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Agenda No: 299- TA-02

(File No: 9363/2022)

Proposed Sand quarry over an extent of 4.95.0 Ha in Palar river located at S.F.Nos. 305 (P), Kandaneri Village, Anicut Taluk, Vellore District, Tamil Nadu by the Executive Engineer, PWD/WRD— For Environmental Clearance. (SIA/TN/MIN/278204/2022 Dt. 16.6.2022)


The proposal was placed for appraisal in this 297th SEAC Meeting held on 21.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

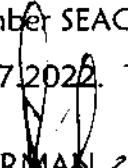
The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for Environmental Clearance for the proposed Sand quarry over an extent of 4.95.0 Ha in Palar river located at S.F.Nos. 305 (P), Kandaneri Village, Anicut Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is one year and the mining plan for the period of One year & mining quantity should not exceed 49500 cu.m. of sand. The ultimate depth 1 metres below bed level.
4. Earlier the proposal was placed in 293rd SEAC meeting held on 08.07.2022. Based on presentation & documents furnished by the PP, SEAC decided to carry out onsite inspection by the Sub Committee constituted by SEAC to assess the present Environmental Condition. On receipt of the Sub Committee report further deliberation will be done.

Based on the above, The State Expert Appraisal Committee (SEAC) TamilNadu constituted a sub-committee vide its Lr.No.SEAC/TN/Site Inspection/2022, dt.08.07.2022 to inspect and study the field condition for the proposal seeking EC for a sand quarry proposed at Kandaneri Village in SF No. 305(P) Anaicut Taluk, Vellore District. The Committee comprises of Thiru D.Velazhagan, member SEAC.

As per the above letter the sub-committee visited the site on 12.07.2022. The


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observations made in the field and recommendation derived on the basis of the field visit is as below:

Observations:

- Proposed sand quarry is located on the northern side of the Kandaneri Village in SF. No.305 (P) in the river bed of Palar. It is close to the right bank of Palar river.
- The dimension of the proposed sand quarry is 330m(avg) in length and 150m in width.
- It is located about 3.5km downstream of SH 127 (Pallikonda-Palamaneri) Road Bridge.
- Two number of wells are located @532m and 610m respectively at upstream of Proposed quarry site.
- Bay of Bengal sea lies 141.39 km East of proposed sand quarry site.
- The sand at the proposed site is replenished well and sand is deposited above the bed level (Theoretical bed level +240.245m).
- It was informed by the WRD officials that a temporary road with bio-degradable material will be formed along the banks of river to transport the sand to the yard.
- The Kandaneri sand quarry site is proposed on rightside (deposition side) bed of Palar river. It helps to regulate the flood water to flow freely to avoid further meandering on leftside (erosion side).

Recommendations:

- The following recommendations of the Enforcement & Monitoring Guidelines for Sand Mining, 2020 of the MoEFCC, Government of India (Annexure VIII Salient provision for sand mining in the state of Tamil Nadu) can be implemented.


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“To monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months”.

- In this endeavour, Groundwater Wing of the Water Resources Department of the PWD may be engaged.
- As per Rule 36 of the Tamil Nadu Minor Mineral Concession Rules 1956, no sand quarry should be allowed within 500m radial distance from the location of any bridge, water supply system, infiltration well or pumping installation.

In as much as within 500 m on either side no such structures or installation are available, the mining of sand at the proposed sand quarry in SF No.305 (P) of Kandaneri village, Anaicut Taluk, Vellore District as per the mining plan is recommended for Environmental Clearance.

The proposal has again been placed in 299th SEAC meeting held on 23.7.2022. Based on the recommendations of the sub-committee and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the 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.
2. 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 the EMP as committed.



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3. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.95.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
4. The depth of sand quarrying shall be restricted to 1 m from the theoretical bed level.
5. The project proponent shall monitor the groundwater level during sand quarrying operations. a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months by engaging Groundwater Wing of the Water Resources Department.
6. An interdisciplinary team consisting of hydrogeologists, soil scientists, PWD engineers, TWAD Board engineers, and officials may be formed. It can conduct a scientific study to decide the distance or a range of distance that should be maintained between a sand quarry and infiltration and collection wells.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.

14. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities as well as it should not lead to depletion of water in the open wells located nearby.
15. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
16. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.
17. The mining operation should be above the ground water table.
18. Adequate statutory manpower to be deployed for complying with the provisions to use heavy machineries as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
19. The Proponent shall provide Provision of bio-toilet to be ensured and confirmed.
20. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

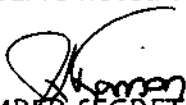
Agenda No: 299- TA - 03

(File No: 7445/2020)

Proposed Rough stone, Gravel & Earth quarry lease over an extent of 4.41.5 ha at S.F.No.713 in A.Lakshmipuram Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Tmt. P.Kaladevi- For Environmental Clearance. (SIA/TN/MIN/139316/2020, dated: 30.01.2020)

The proposal was placed in 299th SEAC Meeting held on 23.07.2022. The details of the minutes are given in the website (parivesh.nic.in).

The SEAC noted the following:


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1. The project proponent, Tmt. P.Kaladevi has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 4.41.5ha at S.F.No. 713 in A.Lakshmipuram Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the lease period is for 5 years. The production for the five years states that the total quantity of recoverable should not exceed 70,680cu.m of Rough stone, 1,00,960cu.m of Gravel and 20,192cu.m of Topsoil/Earth with an ultimate depth of mining is 11m.The Annual peak production as per mining plan is 14,820cu.m of rough stone and 23,180 cu.m of Gravel.
4. Earlier the proposal was placed in 207th SEAC meeting held on 17.03.2021. The proposal was again placed for appraisal in 259th meeting of SEAC held on 31.03.2022. Based on the presentation and document furnished by the project proponent, SEAC recommended the proposal for the grant of Environmental Clearance, subject certain conditions.

Subsequently, the subject was placed before the Authority in its 505th meeting held on 09.05.2022. The Authority noted that the distance between the proposed mine lease area & the following waterbodies Solasseri River, Cholapuram River, Vaippar River, Streams/ Odais & Kanmoi appears very close. Also, Rivers/Streams connecting Solasseri & Cholapuram Rivers with Vaippar River appears very close the proposed mine lease area and the same was mentioned in the precise area communication Dt: 17.09.2019.

In view of the above, the Authority after detailed discussion, decided to refer back the proposal to SEAC for re-appraisal in regard to the following details,

- i) The project proponent shall furnish correct details of shortest distance of waterbodies such as Rivers, Odai, Kanmoi, Tanks, Pond, streams etc in the 1km, 500 m & 300 m radius from the boundary of the proposed mine lease area.


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Subsequently, the proposal was placed for appraisal in 285th meeting of SEAC held on 16.06.2022. The Project proponent made a presentation along with clarification for the above shortcomings observed by the SEIAA. After taking into account the above clarifications furnished by the PP, the committee decided that, a sub-committee of SEAC to be constituted will visit the site and submit a report on the points raised by the SEIAA.

In light of the above, a subcommittee comprising of Thiru. R. Thangaprakasam, Member SEAC – TN, Dr. P. Balamadeswaran, Member SEAC – TN was constituted by SEAC to inspect and study the field conditions. The subcommittee visited the site and made the following observations:

Observations & Recommendations of The Sub Committee

1. The EIA Coordinator (or) Qualified Person who have prepared the Mining Plan was not present in the site to furnish correct details of shortest distance of existing water bodies such as Rivers, Odai, Kanmoi, Tanks, Pond, streams etc in the radial distance of 1km, 500 m and 300 m from the boundary of the proposed mine lease area during the inspection.
2. In spite of the best cooperation provided by the Project Proponent, the boundary of the lease hold area and the river course & its highest flood level with reference to the quarry lease hold area could not be exactly located by the sub-committee.

SEAC, after a careful examination of the proposal in the light of the remarks made by SEIAA and the observations made by the SEAC subcommittee, decided to request SEIAA to get a clarification from the district AD G&M on the above points, with particular reference to the directions of the Hon'ble Madras High Court in WP No.20903 of 2016 and the directions of the Director of Geology & Mining in his Lr No. 7240/MM6/2019, dated. 30.07.2021.

On receipt of this report, further deliberations shall be done.


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Agenda No: 299- TA - 04

(File No: 7446/2020)

Proposed Rough stone, Gravel & Earth quarry lease over an extent of 1.54.0 ha at S.F.No.1316/1B & 1316/2A in Keezhanmaraninadu Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Tmt. P.Kaladevi- For Environmental Clearance. (SIA/TN/MIN/139266/2020, dated: 30.01.2020)

The proposal was placed in 299th SEAC Meeting held on 23.07.2022. The details of the minutes are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt. P.Kaladevi has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 1.54.0ha at S.F.No. 1316/1B & 1316/2A in Keezhanmaraninadu Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan the lease period is for 5 years. The production for the five years states that the total quantity of recoverable should not exceed 36,600cu.m of Rough stone, 50,920cu.m of Gravel and 10,184cu.m of Topsoil/Earth with an ultimate depth of mining is 11m.The Annual peak production as per mining plan is 7320cu.m of rough stone and 14,440 cu.m of Gravel.
4. Earlier the proposal was placed in 207th SEAC meeting held on 17.03.2021. The proposal was again placed for appraisal in 259th meeting of SEAC held on 31.03.2022. Based on the presentation and document furnished by the project proponent, SEAC recommended the proposal for the grant of Environmental Clearance, subject certain conditions.

Subsequently, the subject was placed before the Authority in its 505th meeting held on 09.05.2022. The Authority noted that the distance between the proposed mine lease area & the following waterbodies Solasseri River, Cholapuram River, Vaippar River, Streams/ Odais & Kanmoi appears very close.

In view of the above, the Authority after detailed discussion, decided to refer back the proposal to SEAC for re-appraisal in regard to the following details.


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- ii) The project proponent shall furnish correct details of shortest distance of waterbodies such as Rivers, Odai, Kanmoi, Tanks, Pond, streams etc in the vicinity 1km, 500 m & 300 m radius from the boundary of the proposed mine lease area.

Subsequently, the proposal was placed for appraisal in 285th meeting of SEAC held on 16.06.2022. The Project proponent made a presentation along with clarification for the above shortcomings observed by the SEIAA.

S.No	Water Bodies	Distance
1	Marugal Odai	500m-N
2.	Vaippar River	940m-S
3	Solasseri River	15.0km-NW
4	Cholapuram River	15.0km-NW


After taking into account the above clarifications furnished by the PP, the committee decided that a sub-committee of SEAC to be constituted will visit the site and submit a report on the points raised by the SEIAA.

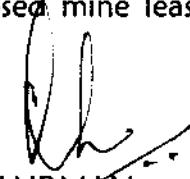
In the light of the above, a subcommittee comprising the following members was constituted by SEAC to inspect and study the field condition in the proposal seeking Environmental Clearance for the proposed rough stone, and gravel quarry on 12.07.2022 (Tuesday) vide Lr.No. SEAC-TN/7445, 7446 Site Inspection/2022 dated 08.07.2022.

Thiru. R. THANGAPRAKASAM, Member SEAC – TN, Dr. P. BALAMADESWARAN, Member SEAC – TN

OBSERVATIONS & RECOMMENDATIONS OF THE SUB COMMITTEE

1. The EIA Coordinator (or) Qualified Person who have prepared the Mining Plan was not present in the site to furnish correct details of shortest distance of existing water bodies such as Rivers, Odai, Kanmoi, Tanks, Pond, streams etc in the radial distance of 1km, 500 m and 300 m from the boundary of the proposed mine lease area during the inspection.


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2. In spite of the best cooperation provided by the Project Proponent, the boundary of the lease hold area and the river course & its highest flood level with reference to the quarry lease hold area were not exactly located by the sub-committee.

SEAC, after a careful examination of the proposal in the light of the remarks made by SEIAA and the observations made by the SEAC subcommittee, decided to request SEIAA to get a clarification from the district AD G&M on the above points, with particular reference to the directions of the Hon'ble Madras High Court in WP No.20903 of 2016 and the directions of the Director of Geology & Mining in his Lr No. 7240/MM6/2019, dated. 30.07.2021.

On receipt of this report, further deliberations shall be done.

Agenda No: 299-TA-05

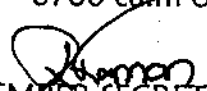
(File No: 8123/2020)

Proposed Rough stone quarry lease over an extent of 1.38.5 Ha at S.F.No.310 & 311/2 of Kangaraseval Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. T. Ragavan - For Environmental Clearance. (SIA/TN/MIN/ 210242/2021 dated 29.04.2021)

The proposal was earlier placed for appraisal in the 223rd meeting of SEAC held on 30.07.2021 and the proponent made presentation on the project. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee noted that,

1. The Project Proponent, Thiru. T. Ragavan has applied seeking Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.38.5 Ha at S.F.No. 310 & 311/2 of Kangaraseval Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. In the mining plan, the production is stated as 93060 cu.m of Rough stone, 8700 cu.m of Topsoil and the ultimate depth of 37m for a period of five years.


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Based on the presentation and documents furnished by the project proponent, SEAC noted that the proponent has not made any benches in earlier mined quarry.

1. There is a lake situated at 440m distance, hence the project proponent shall furnish a detailed hydro-geological study report through a reputed institution or Government institution or through an accredited Hydro-geologist.
2. The project proponent shall submit hydraulic particulars of the lake.
3. SEAC committee decided that a sub-committee shall visit the site to access the current status of the project.

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


The subcommittee constituted by SEAC, comprising of Thiru.R. Thangaprakasam, Member SEAC – TN and Dr. P. Balamadeswaran, Member SEAC – TN inspected the project site on 12.07.2022 and furnished the inspection report.

The inspection report was placed in this 299th meeting of SEAC held on 23.07.2022.

Observations & Recommendations of the Sub Committee

- The PP has not provided the hydraulic particulars of the lake located at a distance of 430 m on the north-western side from the existing quarry site.
- It has been observed that a residential quarter constructed for the workers of M/s. Supreme Fireworks is situated at a distance of 67 m from the eastern boundary of the existing quarry.
- It has also been observed that a Fire Works Unit (M/s. Supreme Fireworks) is located at a distance of 138 m from the South-East boundary of the quarry.

Taking into consideration the observation and recommendation of the sub-committee, the SEAC, after detailed discussions, decided not to recommend for the grant of Environmental Clearance to the project.


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Agenda No: 299-TA-06

(File No: 9362/2022)

Proposed Sand quarry lease over an extent of 4.95.0 Ha of Palar River Basin at S.F.No. 331(P) of Valavanur Village, Arcot Taluk, Ranipet District, Tamil Nadu by the Executive Engineer, WRD, Mining and Monitoring Division, Villupuram - For Environmental Clearance. (SIA/TN/MIN/278081/2022, DT.14.06.2022)

The proposal was earlier placed for appraisal in the 293rd meeting of SEAC held on 08.07.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The Committee noted that,

1. The Proponent, Executive Engineer, WRD, Mining and Monitoring Division, Villupuram has applied seeking Environmental Clearance Sand quarry over an extent of 4.95.0 Ha of Palar River Basin at S.F.Nos. 331, Valavanur Village, Arcot Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is one year and the mining plan for the period of One year & mining quantity should not exceed 153529 cu.m. of sand for an ultimate depth 1 metre below bed level.


Based on presentation & documents furnished by the Project Proponent, SEAC decided to carry out onsite inspection by the Sub-Committee constituted by SEAC to assess the present Environmental Condition.

On receipt of the Sub-Committee report further deliberation will be done.

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

The sub -committee comprising of Thiru. D.Velazhagan, Member, SEAC inspected the proposed quarry site on 12.07.2022 and furnished the Inspection report. The inspection report was placed in this 299th meeting of SEAC held on 23.07.2022.


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Inspection Proceedings:

The observations made in the field and recommendation derived on the basis of the field visit are as below:

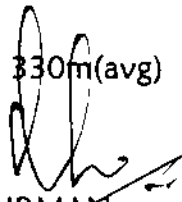
1	Proposal number	SIA/TN/MIN/278081/2022, DT.14.06.2022
2	File number	9362/2022
3	Proponent	Executive Engineer, WRD., Mining and Monitoring Division, Villupuram
4	Major Project Activity	1 a. Mining of minerals
5	Category	B2
6	Project Type	Fresh EC
7	River	Palar
8	Location	SF. No. 331(P) of Valavanur Village
9	Area	4.95.0 Ha
10	Quantity& Duration	153529 m ³ / 1 year
11	Depth	Shoal (2.101m(avg)) and 1m below bed level
12	Method & Mining	Open cast – Manual Excavation
Location		
N12° 52' 06.1286"		E79° 27' 16.3484"
N12° 52' 10.9799"		E79° 27' 16.2196"
N12° 52' 11.2682"		E79° 27' 27.1614"
N12° 52' 06.4230"		E79° 27' 27.2865"

Observations:

- Proposed sand quarry is located on the northern side of the Valavanur Village in SF. No.331 (P) in the river bed of Palar. It is close to the right bank of Palar river.
- The dimension of the proposed sand quarry is 330m(avg) in length and 150m in width.


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- It is located about 9.25 km downstream of Palar Anaicut (crest level +151.300m) and 5.50km upstream of Mamandur road bridge.
- A pump house @682m and a well @572m are located at North-West side upstream of Proposed quarry site and Three Number of wells @510m, 545m and 578m respectively are located at North-East side Downstream of Proposed quarry site.
- Bay of Bengal sea lies 87 km East of proposed sand quarry site.
- The sand at the proposed site is replenished well and sand is deposited above the bed level (Theoretical bed level +130.12m).
- It was informed by the WRD officials that a temporary road with bio-degradable material will be formed along the banks of river to transport the sand to the yard.
- The Valavanur sand quarry site is proposed on rightside (deposition side) bed of Palar river. It helps to regulate the flood water to flow freely to avoid further meandering on leftside (erosion side).

Recommendations:

- The following recommendations of the Enforcement & Monitoring Guidelines for Sand Mining, 2020 of the MoEFCC, Government of India (Annexure VIII Salient provision for sand mining in the state of Tamil Nadu) can be implemented.

"To monitor the groundwater level during sand quarrying operations, a network of existing wells may be established around the sand quarrying area and new piezometers must be installed at all sand quarry sites. Monitoring of Ground Water Quality in the vicinity (one Km radius from the sand quarrying site) shall be carried out once in two months".

- In this endeavour, Groundwater Wing of the Water Resources Department of the PWD may be engaged.

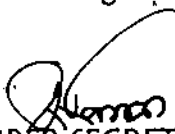

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- As per Rule 36 of the Tamil Nadu Minor Mineral Concession Rules 1956, no sand quarry should be allowed within 500m radial distance from the location of any bridge, water supply system, infiltration well or pumping installation.
- In as much as within 500 m on either side no such structures or installation are available, the mining of sand at the proposed sand quarry in SF No.331 (P) of Valavanur village, Arcot Taluk, Ranipet District as per the mining plan is recommended for Environmental Clearance.


Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a restricted depth of 1m below theoretical bed level and the corresponding quantity of 153529 cu.m. of sand as per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

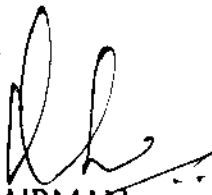
1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.94.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.


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6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking Wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving a least 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the River and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the Irrigation channels.
13. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
14. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the Greeneries and the agricultural activities.
15. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at Least a safe distance of 300m from the habitations while planning the approach Road and the loading operation. Wherever necessary and near the habitation in Particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
16. The mining operation should be above the ground water table.


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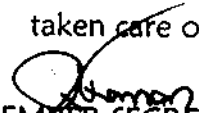
17. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar and representatives from reputed research organizations should be included in the task force.
18. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
19. All the conditions imposed in the mining plan approval letter and precise area communication shall be strictly followed.
20. The project proponent should fulfill the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos.4251,7960,14577,15121, 8655, 13835, 16150, 15343,11376,17143 and 17531 of 2017 and Connected Miscellaneous Petitions dated.16.02.2018.
21. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free Flow.
22. As per the MoEF & CC Office Memorandum F.No.22-65/2017-1A.III dated. 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities.

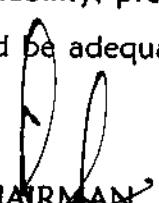

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ANNEXURE-I

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.


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

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daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.

14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and

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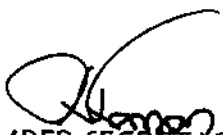
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transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

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

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

26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix –II of this minute.


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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விலவம்
2	<i>Adenaanthera pavonina</i>	Manjadi	மஞ்சாடி. ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்தி
7	<i>Bauhinia tomentos</i>	Iruvathi	இருவாததி
8	<i>Buchanania axillaris</i>	Kattuma	கட்டாமா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkanaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரச மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு. மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவுளி
18	<i>Creteva adansoni</i>	Mavalingum	மாவிலங்கம்
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	ஆற்றுப்புரைசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம். ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiam	ஓதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	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


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40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narunkunnai	தரு முள்ளை
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	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பூவு
47	<i>Puthranjiva roxburghii</i>	Karipala	கறிபாலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Manipangan, Soapu	மணிப்புங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxdomic</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthana Kottai	தேத்தான் கொட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandhi	தான்றி
56	<i>Terminalia arjuna</i>	Ven	வெண் மருது
57	<i>Toona ciliate</i>	Sandhanayembu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puv	பூவரசு
59	<i>Walsuratrifoliata</i>	valsu	வால்கரா
60	<i>Wrightia tinctoria</i>	Vepp	வெப்பாளை
61	<i>Pithecellobium dulce</i>	Kod	கொடுக்காப்பழி

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Appendix -II

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

-----சுரங்கம்

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

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

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