

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the 139th Meeting of the State Expert Appraisal Committee (SEAC) held on 23rd November 2019 for Appraisal of Building and Construction Projects, Townships and Area Development projects & Mining projects at Conference Hall, 2nd floor (down), Panagal Maligai, Saidapet, Chennai.

Agenda no: 139 – 02- 01

(File No: 7225/2019)

Proposed Construction of Industrial Sheds by M/s. Bagur Logistics Park Private Limited at S. No. 4/5, 4/6, 4/7B, 6/8, 6/4B2B, 7/2B1A, 9/1, 9/2A, 14/1, 14/2A, 14/2B, 14/3, 14/5, 14/6A, 14/6B, 14/7, 15/1, 15/2, 15/3, 16/1, 16/2, 16/3, 17/4, 17/5, 21/1, 21/2, 21/3, 21/4, 21/11, 26/3 & 26/4 of Mettupanthanapalli Village, Soolagiri Taluk, Krishnagiri District, TamilNadu. – For Environmental Clearance.

(SIA/TN/MIS/122562/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. The proposed project is a construction of an industrial shed and the Prospective Tenants are Warehouses, Godowns, Industrial Goods Storage, Data Centres and FMCG Packaging.
2. The total land area of project is 2,33,332.4 Sq.m with total built up area is 1,20,587 Sq.m.
3. The project is located at 12°37'29.18" N Latitude and 78° 4'53.20" E Latitude.
4. The project comprises 11 nos. of sheds. Block A (G + Mezz floors), Block B (G + Mezz floors), Block C (G + Mezz floors), Block D (G + Mezz floors), Block E (G + Mezz floors), Block F (G + Mezz floors), Block H (G + Mezz floors), Block J (G + Mezz floors) , Block G1 (Ground Floor), Block G2 (Ground Floor) & Block Gala G3 (Ground Floor)


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5. The daily fresh water requirement is 219 kLD for domestic purpose (23 kLD) and greenbelt development (196 kLD) will be sourced through Local Body/Private tankers. The waste water of 67 kLD generated is treated through 80 kLD capacity STP Plant (Moving Bed Bio Reactor - MBBR) resulting in 67 kLD of treated sewage in which 47 kLD is used for flushing, 20 kLD for Greenbelt development.
6. An area of 61,828 Sq.m is earmarked as greenbelt development of 2,916 nos. of native tree species .
7. There are 136 number of car parks & 473 number of truck parks proposed in the parking area of 19,438 sq.m.
8. Power requirement is reported to be 4,900 kVA which will be sourced from TNEB grid .Back-up power supply is through 1 no. of 500 kVA with a stack height of 8.5 m above the ground level.
9. The runoff from the project site harvested through an underground storage sump of 23 kL capacity. 50 Nos. of recharge pits are proposed in the storm water drain which runs all along the periphery of the site.
10. Total Solid waste estimated to be generated is 952 kg/day in which 567 kg/day is Biodegradable waste, which will be treated in organic waste convertor (OWC) within the project site and then used as manure for gardening purpose within project site. The Non Biodegradable waste of 378 kg/day will be sent to recyclers. The STP Sludge of 7 kg/day will be dried and used as manure for green belt development.

The SEAC noted the following:

1. The Proponent M/s. Bagur Logistics Park Private Limited has applied for Environment Clearance "Building and Construction Projects" at S. No. 4/5, 4/6, 4/7B, 6/8, 6/4B2B, 7/2B1A, 9/1, 9/2A, 14/1, 14/2A, 14/2B, 14/3, 14/5, 14/6A, 14/6B, 14/7, 15/1, 15/2, 15/3, 16/1, 16/2, 16/3, 17/4, 17/5, 21/1, 21/2, 21/3, 21/4, 21/11, 26/3 & 26/4 of Mettupanthanapalli Village, Soolagiri Taluk, Krishnagiri District, Tamil Nadu.


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

Based on the presentation made by the proponent and the documents furnished, the SEAC directed the proponent to furnish the following details.

1. The proposal for CER shall be furnished as per the office memorandum of MoEF&CC dated 01.05.2018 after working out the cost of project as per PWD guidelines.
2. The layout plan furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for DTCP approval.
3. The proponent shall furnish the A Register and clarify on the village road previously existing.
4. The proponent shall furnish AAQ details and present and future traffic studies.

The SEAC directed the proponent to furnish the above said details and on receipt of aforesaid details, SEAC would further deliberate on this project and decide the further course of action.


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Agenda no: 139 – 02- 02

(File No. 7056 /2019)

Proposed Grey Granite quarry lease over an extent of 1.72.0Ha in S.F.No: 418/3, 4, 5, 6, 7, 8, 9, 12, 13, 421/1, 2, 3, 4A, 4B, 5, 6, 7, 8, 12A, 12B Baleguli - 2 Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. C. R. Tamilvanan– For Environmental Clearance.

(SIA/TN/MIN/40940/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The quarry lease was applied in the name of Thiru.C.R.Tamilvanan, Krishnagiri, Precise Area Communication was issued by the District Collector, Krishnagiri, vide Rc.No.153/MME.2/2019, Dated: 25.02.2019 for a period of 5 years. It is a fresh lease for Grey Granite quarry over an Extent of 1.72.0 Ha in S.F.No.418/3,4,5,6,7,8,9, 12,13,421/1,2,3,4A,4B,5, 6,7,8,12A,12B at Baleguli 2 Village, Krishnagiri Taluk, Krishnagiri District.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Deputy Director, Department of Geology and Mining, Krishnagiri District vide Rc.No.9625/MM5/2018, Dated: 09.05.2019.

3. As per the Department of Geology and Mining, Krishnagiri District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Grey Granite should not exceed 30,572m³.

- a. For First year - 6,120m³ of Grey Granite
- b. For Second year - 5,712m³ of Grey Granite


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- c. For Third year - 6,032m³ of Grey Granite
 - d. For Fourth year - 6,028m³ of Grey Granite
 - e. For Fifth year - 6,680m³ of Grey Granite
4. The quarry operation is proposed upto a depth of 27m (2m Top soil + 5m Weathered Rock + 20m Grey Granite) Below Ground Level
 5. The quarry operation involves manual jack hammer drilling, mild explosive blasting, Diamond wire cutting and dressing the splitted blocks.
 6. Grey Granite is to be transported by using Tippers of 2 Nos. (20 T Capacity).
 7. The project is locate at 12°24'54.73"N to 12°25'01.47"N Latitude and 78°17'22.32"E to 78°17'27.06"E Longitude.
 8. The total Manpower requirement is 29 Nos.
 9. Total cost of the projects is Rs. 2.28 crores and EMP cost about Rs. 7 lakhs.
 10. The Water table is found to be at the depth of 55m in summer and 50m in rainy season.
 11. Lease area applied is not covered under HACA region.
 12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
 13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
 14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
 15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.


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16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.

17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Baleguli 2 Village, Krishnagiri Taluk, Krishnagiri District dated 05/07/2019.

18. Letter obtained from the Deputy Director, Department of Geology and Mining, Krishnagiri vide Letter RC. No. 565/2016/ Mines, dated 25.06.2019 informed that the details of the existing and abandoned quarries within 500m radius from the proposed Grey Granite quarry as follows.

1) Existing other quarries:

S. No.	Name of the lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period	Remarks
1.	Tvl.Pluto-D Granite,15-C, Nethaji Bye Pass Road, Dharmapuri	Baleguli 2 Village, Krishnagiri Taluk	411/1, 420/1, 425/1 (Part)	1.82.0	03.08.1995 to 02.08.2005	Lease Expiry (Erwhile Rule 39)

2) Proposed Area:

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent	Remarks
1.	M/s. C.R.T. Granite Park, No-5/157, Street, Marys Teachers Colony, N.G.O Colony Post, Dindigul 624005.	Baleguli 2 Village, Krishnagiri Taluk	418/3,4,5,6,7,8,9,12, 13,421/1,2,3,4A, 4B,5,6,7,8,12A,12B	1.72.0	Applied area


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3) Lease Expired:

S. No.	Name of the Lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period	Remarks
 NIL					

The Total extent of the Existing / Proposed quarries are about (1.82.0 + 1.72.0) = 3.54.0Ha

The SEAC noted the following:

1. The Proponent, Thiru.C.R.Tamilvanan has applied for Environment Clearance for the Grey Granite quarry over an extent of 1.72.0 Ha S.F.No: 418/3, 4, 5, 6, 7, 8, 9, 12, 13, 421/1, 2, 3, 4A, 4B, 5, 6, 7, 8, 12A, 12B Baleguli - 2 Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

After the detailed presentation, the SEAC directed the proponent to furnish the following details

1. Ground water quality study carried out on the wells located in the surrounding area within 2km.
2. AAQ, Fugitive emission modelling and Noise studies (both day & night) carried out.

On receipt of the aforesaid details, SEAC decided to make an on - the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Based on the inspection report, SEAC would further deliberate on this project and decide the further course of action.


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Agenda no: 139 – 02- 03

(File No. 7072 /2019)

Proposed Rough stone and Gravel quarry lease over an extent of 3.24.0Ha in S.F.No: 263/2 (P), Sircar Kathankanni Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru. K. Palanisamy– For Environmental Clearance.

(SIA/TN/MIN/40899/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The quarry lease was applied in the name of Thiru. K. Palanisamy, Precise Area Communication was issued by the District Collector, Tiruppur vide Rc.No. 628/Mines/2018, 04.07.2019 for a period of 5 years. It is a fresh lease for Rough stone and Gravel quarry over an extent of 3.24.0Ha in S.F.No: 263/2 (P), Sircar Kathankanni Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu.

2. Mining Plan / Scheme of Mining approved details:


- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Tiruppur District vide Rc.No.628/Mines/2018, dated 01.08.2019.

3. As per the Department of Geology and Mining, Tiruppur District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 2,70,165m³ and Gravel should not exceed 16,047m³

- a. For First year - 53,395m³ of Rough stone and 4,374m³ of Gravel
- b. For Second year - 54,300m³ of Rough stone and 3,159m³ of Gravel
- c. For Third year - 54,180m³ of Rough stone and 8,514m³ of Gravel


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- d. For Fourth year - 54,055m³ of Rough stone
- e. For Fifth year - 54,235m³ of Rough stone
- 4. The quarry operation is proposed up to a depth of 28m (3m Gravel + 25m Rough stone) below ground level.
- 5. The quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench and width.
- 6. Rough stones are to be transported by Tippers of 3 Nos. (20 T Capacity).
- 7. The project is located at 11°07'20.64"N to 11°07'25.42"N latitude and 77°30'03.76"E to 77°30'14.36"E Longitude.
- 8. The total Manpower requirement is 30Nos.
- 9. Total cost of the projects is Rs. 55.48lakhs and EMP cost about Rs. 3.80lakhs
- 10. The Water table is found to be at the depth of 50m in summer season and 45m in rainy season.
- 11. Lease applied area is not covered under HACA region.
- 12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
- 13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
- 14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
- 15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
- 16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
- 17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, SircarKathankanni Village, UthukuliTaluk, Tiruppur District dated 30.07.2019.
- 18. Letter obtained from the Assistant Director, Department of Geology and Mining, Tiruppur vide Letter ROC. No. 628/Mines/2018, dated 22.11.2019 informed that


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the following quarries are situated within a radial distance of 500 meters from the applied fields.

The SEAC noted the following:

1. The Proponent, Thiru. K. Palanisamy has applied for Environment Clearance for the Rough stone and Gravel quarry lease over an extent of 3.24.0Ha in S.F.No: 263/2 (P), SircarKathankanni Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

After the detailed presentation, the SEAC directed the proponent to furnish the following details

1. Photographs of fencing arrangement provided along the boundary of the site.
2. It was noted that documents furnished by the proponent mining activity was already been carried out in the mine lease area. It is directed to furnish the following details from AD, mines
 - a) What was the period of the operation and stoppage of the earlier mines?
 - b) Quantity of minerals mined out.
 - c) Depth of mining
 - d) Name of the person(s) already mined in that leases area.
 - e) Copies of EC and CTO already obtained if any and its compliance
3. The proponent shall furnish proposed safety measures which should include measures proposed along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.

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


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Agenda no: 139 – 02- 04

(File No. 7205 /2019)

Expansion of Multi Specialty Hospital and Research Campus by M/s. SANCO Foundation at T.S. No. 27, 28, 29, 30, 31, 39, 40, 72/1B2, 72/1B3B, 18, 23/2A, 24/1, 24/2, 25 & 26, North Vellore No. 9, Ward No.1, Block No. 2 & 3, North Vellore Town, Vellore North Taluk, Vellore District in the state of Tamil Nadu – For Environmental Clearance.

(SIA/TN/MIS/121440/2019)

The proposal was place in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as prescribed by the proponent are as follows:

1. Environmental Clearance (EC) has been obtained from SEIAA,TN (Letter No. SEIAA/TN/F.6724/EC/8(a)/654/2019 dt: 11.07.2019) for Construction of Multi Specialty Hospital & Research Institute Building comprises of Basement I + Basement II + Ground floor to Eleven floors
2. SANCO Foundation has acquired additional land (12,807 Sq.m) adjoining the project site and proposes to construct an additional block (comprising of one level Basement + Ground Floor) in the additional land acquired.
3. The project is located at

1	12° 56' 12.48" N	79° 8' 29.29" E
2	12° 56' 0.44" N	79° 8' 29.50" E
3	12° 56' 0.64" N	79° 8' 30.32" E
4	12° 56' 12.56" N	79° 8' 31.71" E

4. The land area of the project is 24,430 Sq.m and the built-up area is 51,900 Sq.m


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5. The project comprises of Block 1- Basement II + Basement I + Ground Floor to Eleven Floor and Block 2- Basement I + Ground Floor.
6. The total number of beds is 392 Nos..The expected number of occupancy in the project is 2,094 nos.
7. The daily fresh water requirement is 338 kLD for domestic purpose (206 kLD), Pathology & Laundry (22 kLD) and HVAC (110 kLD) will be sourced through local body (Vellore Corporation). 22 kLD of effluent will be treated in ETP with 22 kLD capacity. The treated effluent will be sent to STP. 298 kLD of waste water (Sewage + Effluent) is generated which is treated through STP (MBBR Technology) with 325 kLD capacity resulting in 298 kLD of treated water in which 80 kLD is used for flushing, 13 kLD for Greenbelt development and 136 kLD for HVAC.
8. 3,665 Sq.m is earmarked as greenbelt area with 310 nos. of native species.
9. 568 number of car parks & 616 number of two wheeler parks – 8,209 Sq.m of area allotted.
10. 7,500 kVA of power is required which is sourced from TNEB grid .Back-up power supply is through 4 no. of 1,500 kVA DG Sets with a stack height of 6m above the ground level.
11. The runoff from the project site harvested through collection sump of 200kL.
12. Total waste estimated to be generated is 958 kg/day in which 558 kg/day is Biodegradable waste, which will be treated in organic waste convertor (OWC) within the project site mixed with 30 kg/day STP sludge and then used as manure for gardening purpose within project site and 370 kg/day is Non Biodegradable waste will be sold to recyclers. The 944 kg/day of bio medical waste will be handed over to TNPCB authorized recyclers.


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The SEAC noted the following:

1. Environmental Clearance (EC) has already been issued from SEIAA,TN (Letter No. SEIAA/TN/F.6724/EC/8(a)/654/2019 dt: 11.07.2019) for Construction of Multi Speciality Hospital & Research Institute Building comprises of Basement I + Basement II + Ground floor to Eleven floors
2. Expansion of Multi Expansion of Multi Specialty Hospital and Research Campus by M/s. SANCO Foundation at T.S. No. 27, 28, 29, 30, 31, 39, 40, 72/1B2, 72/1B3B, 18, 23/2A, 24/1, 24/2, 25 & 26, North Vellore No. 9, Ward No.1, Block No. 2 & 3, North Vellore Town, Vellore North Taluk, Vellore District. The details of EC obtained and proposed expansion of the project as as follows:

Details of Expansion					
1.	Plot Area	11,623 Sq.m		24,430 Sq.m	
2.	Total Built-up area	47,591 Sq.m		51,900 Sq.m	
3.	Block Details	Block 1	2B + G+11 Floors	Block 1	2B+ G+11 Floors
				Block 2	B+G Floor
4.	No. of beds	387 Nos.		392 Nos.	
5.	Total Fresh Water Requirement	317 KLD		338 KLD	
6.	Sewage Generation	293 KLD		298 KLD	
7.	STP Capacity	300 KLD		325 KLD	
8.	Effluent Generation	21 KLD		22 KLD	
9.	ETP Capacity	21 KLD		22 KLD	
10.	Total solid waste	914 Kg/day		928 Kg/day	
11.	Bio Medical Waste	935 Kg/day		944 Kg/day	
12.	DG Sets	1500 KVA (3 Nos.)		1500 KVA (4 Nos.)	
13.	Total Project Cost	Rs. 177 Crores		Rs. 213 Crores	


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3. The project/activity is covered under category "B" of item 8(a) "Building and Construction projects" of the Schedule to the EIA Notification, 2006.

The project proponent gave presentation about the proposal, based on the presentation made by the proponent and the documents furnished, the SEAC decided to ~~recommend~~^{deter} the proposal for ~~grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions.~~ *following reasons*

It was noticed by the SEAC that the previous EC was only issued on 11.7.2019 and it is not clearly notified why expansion within 4 months. Also, it is not clear how far the construction of the hospital as per the previous EC was over and the specific condition that were stipulated in the earlier EC namely construction of culverts, storm water management plans, ~~culverts, storm water management plans~~, action taken for green belt development need to be permitted / presented along with the new proposal and hence it was decided that the proponent may make a re-presentation of the project.

Agenda no: 139 – 02- 05

(File No. 7038 /2019)

Proposed Rough stone and Gravel quarry lease over an extent of 0.78.0Ha in S.F.No: 1501/B2(Part), Sengurichi Village, Dindigul Taluk, Dindigul District, Tamil Nadu by M/s. Sree Sirumalai Minerals – For Environmental Clearance.

(SIA/TN/MIN/40801/2019)

The proposal was place in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as prescribed by the proponent are as follows:


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1. Government Order / Lease details:
 - a. The quarry lease was applied in the name of M/s. Sree Sirumalai Minerals, Precise Area Communication was issued by the District Collector, Dindigul vide Rc.No.68/2019 (G&M) Dated: 14.05.2019 for a period of 5 years. It is a fresh lease for Rough stone and Gravel quarry over an Extent of 0.78.0Ha in S.F.Nos. 1501B/2(P) at Sengurichi Village, Dindigul East Taluk, Dindigul District.
2. Mining Plan / Scheme of Mining approved details:
 - a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Dindigul District vide Rc.No.68/2019 (G&M) Dated:20.05.2019.
3. As per the Department of Geology and Mining, Dindigul District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 101880m³.
 - a. For First year - 22914 m³ of Rough stone
 - b. For Second year - 19732 m³ of Rough stone
 - c. For Third year - 16787 m³ of Rough stone
 - d. For Fourth year - 14079 m³ of Rough stone
 - e. For Fifth year - 28368 m³ of Rough stone
4. The quarry operation is proposed upto a depth of 37.5m Rough stone.
5. The quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench and width.
6. Rough stone are to be transported by Tippers of 1Nos. (10 M. T Capacity).
7. The project is locate at 10°19'53.83"N -10°19'56.72"N latitude and 78°09'47.24"E -78°09'50.08"E Longitude.
8. The total Manpower requirement is 18 Nos.
9. Total cost of the projects is Rs. 33.50 lakhs and EMP cost about Rs. 3.0 lakhs
10. The Water table is found to be at the depth of 55m in summer and 50m in rainy season.


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11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Sengurichi Village, Dindigul East Taluk, Dindigul District dated 21/05/2019.
18. Letter obtained from the Assistant Director, Department of Geology and Mining, Dindigul vide Letter RC. No. 68/2019(G&M) dated 07.08.2019 informed that the details of the existing and abandoned quarries within 500m radius from the proposed Rough Stone & Gravel quarry as follows.

1) Existing other quarries:

S. No.	Name of the lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Remarks
1.	Nil				---

2) Proposed Area:

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent	Remarks
1.	M/s.Sree Sirumalai Minerals, M.Selvamani,	Sengurichi	1501B/2(P)	0.78.0	---


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	Managing Partner, No.243B,Masilamanipuram, Balakrishnapuram Village, Dindigul.	village, Dindigul East Taluk,Dindigul			
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3) Lease Expired:

S. No.	Name of the Lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period	Remarks
 NIL					

The Total extent of the Existing / Proposed quarries are 0.78.0ha

The SEAC noted the following:

1. The Proponent, M/s. Sree Sirumalai Minerals has applied for Environment Clearance for the Rough stone and Gravel quarry lease over an extent of 0.78.0Ha in S.F.No: 1501B/2(Part), Sengurichi Village, Dindigul Taluk, Dindigul District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The project proponent gave presentation about the proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions:

1. Ground water quality monitoring should be conducted once in six months and the report should be submitted to TNPCB.
2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust


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pollution, suitable working methodology needs to be adopted taking wind direction into consideration.

3. The operation of the quarry should no way impact the agriculture activity & water bodies near the project site.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. 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 monitored by the District Authorities.
7. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
8. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
9. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine as reported.
10. The proponent shall comply with the conditions stipulated in the letter No RC No. 7637/MM5/2018 dated 28/12/2018 obtained from Department of Geology and mining.
11. The proposal for CER shall be furnished as per the office memorandum of MoEF&CC dated 01.05.2018.


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Agenda no: 139 – 02- 06

(File No. 6645 /2019)

Proposed development of a proposes development of a new cornerstone “ DLF IT “ park at Survey No 1/5 &1/9 of Block 7, Tiruvanmiyur Village , Mylapore - Taluk, Chennai - District, and SF No 300/2B 300/2C& 301/3 Kottivakkam, Tamabaram - Taluk, Kanchipuram - District by M/s DLF Info Park Developers (Chennai) Limited - The proposed project have signed an Memorandum of Understanding (MoU) with Govt. of Tamil Nadu for developing an IT park – Terms of Reference.

(SIA/TN/MIS/28068/2018)

The project was appraised in EAC meeting at MOEF and TOR (Terms of Reference) issued by MOEF vide TOR Vide Lr. F.No. MOEFCC/ 21-92/2018-IA-III dated 30.11.2018. Baseline studies were conducted from December 2017 – February 2018 and EIA report in compliance with issued TOR has been submitted.

The proposed Development will comprise 8 Blocks each of G + 23 Floors with three Common Basements in a Total Plot area of 107768 Sq.m . Total Built-up Area of the proposed development will be 835650 Sq.m. The site will be developed with lawns, greenbelt, neatly paved driveways, parking facilities, etc. Within the total Plot area. The green belt area will be 16165.2 Sq.m which is 15% of the total plot area; apart from that, an OSR [Open Space Reservation] area of 10776.8 Sq.m @ 10% of the plot area is identified for gifting to the Greater Chennai Corporation for utilizing the same as a park with extensive green belt and open for public.

Water required for construction phase is 67 KLD of which Domestic water- 6 KLD, Construction work- 50 KLD, Miscellaneous- 5 KLD and flushing water requirement- 6 kLD. The Total water requirement during construction phase shall be met through Authorized Tankers.


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The project envisages an overall population of 44372 inclusive of the prospective regular workers and facility supporting staffs & visitors.

Daily freshwater requirement for the project will be 659 KLD in the First Phase and 1152 kLD, thus a total of 1811 KLD, which shall be met through CMWSSB provision and used for domestic purposes and HVAC cooling makeup as well. The sewage generated after treatment 798 KLD out of which 58 KLD will be utilized for green belt, 35 kLD for Green development in OSR and HVAC 705 KLD; Treated Grey water @ 840 kLD [380 KLD for first phase and 460 KLD for second Phase]will be used entirely for flushing requirement. STP shall be based on MBBR technology. The treated waste water quality shall be of superior quality for usage back in HVAC make up and Flushing applications.

Solid waste generation shall be 6.656MT/Day of which 2.662 MT/Day Bio-degradable wastes will be disposed through organic waste converters of adequate capacity and 3.994 MT/Day of Non-Biodegradable recyclable wastes will be handed over to authorized recyclers. Organic sludge generation of 540 Kg/day from STP shall be mixed along with the organic waste generated from OWC and will be blended with suitable bio-enzymes so that the resultant manure is enriched with nutrients. E-waste / Battery Waste as generated by prospective tenants shall be advised to dispose the same after securing due authorization and relevant approvals from TNPCB to authorized vendors wherein as Property Developer DLF shall ensure the periodical renewal of those authorization. Hazardous waste generated from the facility, which is mainly the DG oil to the tune of around 2500 lits / annum, shall be disposed through authorized recyclers as per the provisions of respective rules as prescribed by MoEF&CC / TNPCB.

The power required @ 26359 KW shall be sourced through TANGEDCO. Twenty Nos. of 2000 KVA DG sets are proposed for power back up with exhaust stack routed to the top of the main building through and exhausted at an elevation of 6 mts above the roof


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. The DG sets shall be housed inside a separate room with wall acoustics done to ensure the noise levels are curtailed and in compliance to CPCB/TNPCB norms.

The project proposes INR 113 Lakhs towards environmental management plan during construction phase and INR 1085 Lakhs towards the same for operational phase.

The total cost of the project is about INR 2470 crores. The project proposes a CER budget of INR 517 Lakhs during the first phase operation and INR 717 lakhs will be spent on CER adopting nearby public facilities and other open areas as stipulated by the MoEF& CC vide OM dated : 1st May 2018, in consultation with the District Administration.

The SEAC noted the following:

- a) The Proponent, M/s DLF Info Park Developers (Chennai) Limited has applied for Terms of Reference for the proposed development of a new cornerstone "DLF IT" park at Survey No 1/5 & 1/9 of Block 7, Tiruvanmiyur Village, Mylapore - Taluk, Chennai - District, and SF No 300/2B 300/2C& 301/3 Kottivakkam, Tambaram - Taluk, Kanchipuram - District, Tamil Nadu, Tamil Nadu
- b) The project/activity is covered under Category "B" of Item 8(b) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

After the detailed presentation, the SEAC noted that the MRTS railway line is passing through the project site. Hence the SEAC directed the proponent to obtain NOC from Competent authority (Government/MRTS) for the transit below the MRTS line within the project site. On receipt of the aforesaid details, SEAC would further deliberate on this project and decide the further course of action.


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Agenda no: 139 – 02- 07

(File No. 7081 /2019)

Proposed Rough stone and Gravel quarry lease over an extent of 1.90.0Ha in S.F.No: 444/1, 444/2, Veppillai Village, Kadaiyampatti Taluk, Salem District, Tamil Nadu by Thiru.S.Sivakumar – For Environmental Clearance.

(SIA/TN/MIN/41261/2019)

1. Government Order / Lease details:

- a. The quarry lease was applied in the name of Thiru.S.Sivakumar, Salem, Precise Area Communication was issued by the District Collector, Salem No.Na.Ka.251/2019/Mines/A ,dated: 16.06.2019 for a period of 5 years. It is a fresh lease for Rough Stone and Gravel quarry over an Extent of 1.90.0Ha in S.F.Nos. 444/1 & 444/2 at Veppilai Village, Kadaiyampatti Taluk, Salem District.

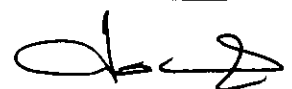
2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Deputy Director, Department of Geology and Mining, Salem District vide RoC.No.251/2019/Mines/A, Dated: 09.02.2019.
 - b. As per the Department of Geology and Mining, Salem District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 1,74,603m³ and 44,520m³ of Gravel.
 - c. For First year - 3,43,364m³ of Rough stone and 21132 m³ of Gravel
 - d. For Second year - 38,563m³ of Rough stone and 10,230 m³ of Gravel
 - e. For Third year - 52,024m³ of Rough stone and 13,158 m³ of Gravel
 - f. For Fourth year - 26,850m³ of Rough stone and 0m³ of Gravel
 - g. For Fifth year - 22,425m³ of Rough stone and 0m³ of Gravel
3. The quarry operation is proposed upto a depth of 46m below ground level.
4. The quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench and 5.0m width.


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5. Rough stone and Gravel are to be transported by Tipper of 2 Nos. (10 M.Tons Capacity).
6. The project is located at 11057'08.19" N to 11057'16.38" N latitude and 780 08' 27.18" E to 780 08' 35.11"E Longitude.
7. The total Manpower requirement is 15Nos.
8. Total cost of the projects is Rs. 32.90 lakhs and EMP cost about Rs. 3.6lakhs
9. The Water table is found to be at the depth of 62m
10. Lease applied area is not covered under HACA region.
11. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
12. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
13. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
14. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
15. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
16. No habitation within the radius of the 500m from the lease area as stated in the letter obtained from VAO, Veppilai Village, Kadaiyampatti Taluk, Salem District dated 03/07/2019.
17. Letter obtained from the Deputy Director, Department of Geology and Mining, Salem vide Letter RC. No. 215/2019/ Mines- A, dated 16.07.2019 informed that the details of the existing and abandoned quarries within 500m radius from the proposed Rough Stone quarry as follows:

S. No.	Quarry detail	Village & Taluk	S. F. No.	Extent
1.	Existing Quarry			


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	Nil			
2.	Abandoned Quarry			
	Nil			
3.	Proposed Quarry			
	Thiru.S.Sivakumar Rough stone & Gravel Quarry	Veppilai Village, Kadaiyampatti Taluk	444/1 & 444/2	1.90.0 Ha

The SEAC noted the following:

1. The Proponent, Thiru.S.Sivakumar has applied for Environment Clearance for the Rough stone and Gravel quarry lease over an extent of 1.90.0 Ha in S.F.No: 444/1 & 444/2, Veppilai Village, Kadaiyampatti Taluk, Salem District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The project proponent gave presentation about the proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions:

1. Ground water quality monitoring should be conducted once in six months and the report should be submitted to TNPCB.
2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
3. The operation of the quarry should no way impact the agriculture activity & water bodies near the project site.


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4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. 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 monitored by the District Authorities.
7. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
8. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
9. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine as reported.
10. The proponent shall comply with the conditions stipulated in the letter No RC No. 7637/MM5/2018 dated 28/12/2018 obtained from Department of Geology and mining.
11. The proposal for CER shall be furnished as per the office memorandum of MoEF&CC dated 01.05.2018.


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Agenda No. 139-02-08

(File No. 7253/2019)

Proposed Coleroon River Sand quarrying over an extent of 12.00.0 Ha at S.F. No. 495/1(Part) in Agaraleathur Village, Sirkazhi Taluk, Nagapattinam District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD- For Terms of Reference.

(SIA/TN/NCP/ 45864/2019)

The proposal was placed in this 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the Environmental impact Assessment as presented by the proponent are as follows:

1. Government order / lease details:

The Quarry lease was applied in the name of Executive Engineer, Mining and Monitoring Division Thanjavur, Precise area communication letter was issued by the District Collector, Nagapattinam District Vide Letter Na.Ka.401/Kanimam/2018 dated 09.02.2019. It is a fresh lease for sand Quarry for over an extent of 12.00.0 Ha in S.F. No: 495/1(Part) in Agaraleathur Village in Sirkazhi Taluk, Nagapattinam District.

2. Mining Plan approval details :

Mining Plan was prepared for the period of Eleven Months. The mining plan was ~~got~~ ^{ed} approval ^{by} from the Assistant Director, Department of Geology and Mining, Nagapattinam District Vide letter Rc. No.401/Mines/2018 dated 22.04.2019.

3. As per the Department of Geology and Mining, Nagapattinam District. Mining Plan approval for the Eleven Months, the production schedule for Eleven Months states that the total quantity of should not exceed 198175 cu.m of shoals and 120000cu.m of sand.

4. The quarry operation is proposed upto a depth of 1m below the theoretical bed level.


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5. The Quarry operation is proposed to carry out with open cast semi mechanised mining.
6. 0.9m³ bucket capacity and tippers/trucks 10-20 Tons capacity are proposed for quarrying operation. The sand is directly loaded into tippers/trucks.
7. Total number of excavators used for quarrying sand-4Nos
8. The project is located at 11°15'13.27"N to 11°15'32.90"N latitude and 79°38'56.36" E to 79°39'03.00"E longitude.
9. The total Manpower requirement is 38 Nos.
10. Total cost of the project is Rs. 515Lakhs and EMP Cost about Rs. 2.86Lakhs.
11. The water table is found to be at the depth of 6-8 m below the ground level
12. Applied lease area is not covered under HACA region.
13. No Coastal Regulation zone (CRZ) is located within the radius of 10 m from the lease area
14. No interstate boundary & western Ghats Boundary is located within the radius of 10 km from the lease area.
15. No National Park & wild life sanctuary is located within the radius of 10 km from the lease area
16. No critically polluted area as notified by the central pollution Control board constituted under water (Prevention and Control of Pollution Act 1974 is located within the radius of 10 km.
17. No protected Area, Eco Sensitive Zone & Eco sensitive area is located within the radius of 10 km.
18. No habitation is located within the radius of the 300 m from the lease area as stated in the letter obtained from VAO, Agaraleathur Village in Sirkazhi Taluk, Nagapattinam District.

SEAC Noted that

1. The proponent, M/s. The Executive Engineer, PWD/WRD, submitted application for Terms of Reference in Form-I, Pre- Feasibility report for the

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River Coleroon Sand Quarrying over an extent of 12.00.0 Ha at 495/1(Part), Agaraleathur Village in Sirkazhi Taluk, Nagapattinam District, Tamil Nadu

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

Based on the presentation made by the proponent, the SEAC decided to recommend the proposal grant of Terms of References (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:

1. The details of the location to cover land use and ecologically sensitive areas.
 - a. Details of wells in the vicinity, ground water tables and other surface water bodies in the vicinity.
 - b. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed.
 - c. Agricultural land if any, surrounding the quarry site.
 - d. The composition of sand and other minerals present in the river bed.
 - e. Details of the river bed.
 - f. History of mining in the area shall be furnished.
2. Reclamation of the sand area after mining needs to be submitted.
3. Justification for usage of more porclains in individual sand mining areas to be given.
4. Adequate safety measures in the quarrying area with respect to porclains to be deployed.
5. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.
2. The impact of dust pollution and noise on the habitations nearby.


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3. The PWD has to give scientific evidence for concluding that river sand depth is 1m. may not cause any significant impact on the ground water table in the surrounding environment
4. The PWD has to furnish the details regarding agricultural activities that are taking place around the project area.
5. The details of the open/bore wells in the vicinity of the project site should be furnished.
6. Study the quality and quantity of ground water in 5km radius in the downstream of the project site.
7. Study the Impact of sand mining on the structures located in the nearby vicinity.
8. The route map for the Lorries for accessing the project area and for transporting mined sand should be specified.
9. The details regarding traffic volume in the vicinity of project area should be furnished.
10. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
11. A detail study shall be conducted on the impact of sand mining with the habitation and cultivation in the nearby area along the river bed and its mitigation measures.
12. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
13. 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.

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14. The EIA report should be as per the Guidelines for Sustainable Sand Mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
15. 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. In such a way a plan of action should be submitted.
16. EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP.
17. The recommendation for the issue of Terms of Reference is subject to the final outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No. 186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).
18. The proposal for CER shall be furnished with time frame as per the office memorandum of MoEF&CC dated 01.05.2018.
19. In addition to following details to be furnished.
 - i. Quantity estimated to be mined through machineries with extent.
 - ii. Quantity estimated to be mined through manual mining with extent.
 - iii. Certificate from the VAO stating the details of habitation located within 300 m radius from the boundary of the proposed site along with FMB sketch.


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- iv. The project proponent has to furnish the affidavit stating that there are no bridges, culverts, cross masonaries, water head works or any other civil structures is located within 500 mts., of the proposed quarry site.
- v. The RL Upstream, RL Downstream, RL Starting, RL Ending, Chainage Starting km, Ending km details shall be furnished.
- vi. Geological sections Map should be furnished.
- vii. 500m, 1km & 5km radius of clear Google Map showing all the features like agricultural activities, habitations, etc
- viii. The self purification capacity of the river shall be furnished.
- ix. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.

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Agenda No. 139 – 02 -09

(File No. 6496/2017)

Proposed construction of Manaparai SIPCOT Park by M/s. State Industries Promotion Corporation of Tamil Nadu Limited at S.F. No. (Annexure –I) of Kannudaiyanpatty, K. Peryapatty (N) and Chattirapatty Villages, Manaparai Taluk, Trichy District– For Environmental Clearance.

(SIA/TN/NCP/20357/2017)

Brief History:

The Proponent of “M/s. State Industries Promotion Corporation of Tamil Nadu” has applied for ToR for the proposed construction of Manaparai SIPCOT Park at S.F. No. (Annexure –I) of Kannudaiyanpatty, K. Peryapatty (N) and Chattirapatty Villages , Manaparai Taluk, Trichy District, Tamilnadu on 01.02.2018.

The SEIAA-TN asked for certain particulars from the proponent for which the proponent responded partially.

The proposal was placed in the 111st SEAC Meeting held on 16.05.2018.

The Salient features of the project proposal are as follows:

1. The SIPCOT proposes to develop Manaparai industrial Park exclusively for industries that are not covered under the EIA Notification, 2006 at the Kannudaiyanpatty, K. Peryapatty (N) and Chattirapatty Villages in an area of 436.05 Ha. The Manaparai industrial park is likely to accommodate General Engineering industries and all other such industries which are not under the purview of EIA Notification, 2006, which do not require Environmental Clearance.
2. 6 MLD of water will be sourced from Cauvery river basin for the project.
3. Summary of land use pattern has been furnished which contain critical errors.

The SEAC interacted with the proponent about the project proposal. The following is the summary of the discussion:

1. The proponent has furnished the type of industries likely to come up in the project. However, the number of industries (at least approximately) likely to come up in the park has not been specified. The data regarding this aspect is very vital for assessing the possible environmental impacts and finalising the


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necessary environmental management measures required for the industries. Only with this data, it will be possible to foresee the type of environmental issues that will be coming up like air pollution, water pollution, solid waste, hazardous waste etc. Therefore, the proponent was directed to furnish the complete concept about the composition of the industrial project along with appropriate management plan.

2. In the summary of land use pattern, the percentage land use for member industries, roads and storm water drains, common amenities and green belt add up to 124.5 % which cannot be more than 100%. This needs to be verified and revised.
3. Similarly the green belt area totally is said to be 34.5 % whereas the addition of the break up amounts to 41.69 %. This needs to be verified and revised.
4. A layout plan showing the various features like the industrial plots, roads, drainage, and green belt should be furnished.
5. The SEAC decided to direct the proponent to revise the proposal to include the data and information as directed above and submit the revised proposal to the SEAC for further course of action.

The above minutes was communicated to the project proponent vide SEIAA-TN letter dated: 18.05.2018. The proponent has furnished reply vide their letter dated: 04.06.2018 and received by the office on 05.06.2018.

The original proposal along with the reply was placed in the 115th SEAC Meeting held on 27.06.2018.

The features of the proposed industrial park as noted in the letter are as follows:

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:

S.No.	Type of Industries	Approximate no. of units	Area (in Hectares)
1	Engineering units such	89	132.56


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	as fabrication, machining, forging, castings, etc		
2	Auto components	56	82.85
3	Food Processing	22	33.14
4	Packaging Units	22	33.14
5	Other non polluting industries	34	49.71
Total		223	331.40


2. The land use pattern of the park is given here under:

Sl.No.	Description	Area (in hectare)	% of area
1	Plot area	331.40	76.0
2	Road and storm water drainage	29.65	6.8
3	Common amenities	4.36	1.0
4	Commercial activities	19.62	4.5
5	Green belt outside plot area	43.61	10.0
6	Green belt along roadside	7.41	1.7
Total		436.05	100

3. The green belt area with direct contribution and implementation by SIPCOT is envisaged for an extent of 51.02 Ha (outside plot area, all along the boundary and along the roadside). Further, member industries will provide green belt for 30% of the allotted area. Overall, 34.50% of total area of the industrial park will be under green belt as given below:

Sl.No.	Description	Area (Ha)
1	By SIPCOT, outside the plot area	43.61
2	By SIPCOT, along the road side and centre median	7.41
3	member industries (30% of the plot area allotted to member industries)	99.42
	Total	150.44
	Percentage of green belt among total area of industrial park i.e. 436.05 Ha	34.50%

4. Total area for the proposed industrial park is 436.05 Ha which comprises of Poromboke Land (10.15.5 Ha) & dry land (425.90 Ha). In the G.O. (Ms). No. 94 Industries Department dated: 14.05.2013, the Government of Tamil Nadu have accorded administrative sanction for the acquisition of 436.05 Ha for the


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industrial park. However, the SIPCOT is yet to acquire the land. The SIPCOT is also yet to obtain the necessary land use certificate for the establishment of industrial park in the land identified.

Based on the presentation made by the proponent, the SEAC Members interacted with the proponent about the project. The SEAC Members insisted that certain essential utilities like solid waste management, industrial effluent treatment and Storm water drainage should be the responsibility of the SIPCOT. Similarly, the SIPCOT should ensure that apart from the common green belt created by SIPCOT, the industries should create additional green belt so that the total green belt area adds up to 33 %. The SEAC was also informed that source of water for the project will be Cauvery Water supply system.

Since the material contained in the reply furnished has not been incorporated in the prefeasibility report already submitted and the SEAC Members have made a few suggestions for consideration of SIPCOT, the SEAC directed the SIPCOT to revise the prefeasibility report and submit the same to SEAC on 28.06.2018. Accordingly, the SIPCOT submitted the revised prefeasibility report which was perused by the SEAC.

Based on the deliberation stated above, the SEAC decided to recommend the proposal to create Manaparai SIPCOT Park by M/s. State Industries Promotion Corporation of Tamil Nadu Limited at S.F. No. (Annexure –I) of Kannudaiyanpatty, K. Peryapatty (N) and Chattirapatty Villages , Manaparai Taluk, Trichy District. The ToR recommended will be the standard ToR applicable to projects governed under category 8(b), Township & Area Development Projects. The MoEF & CC has already issued guidelines (February 2010 Annexures I & II) for preparing the EIA report for Township & Area Development Projects and the proponent should be directed to strictly follow the guidelines and modify as necessary to suit the Industrial park in the place of Township & Area Development Projects. This recommendation is also subject to the fulfilment of the following conditions:

1. The SIPCOT must submit land ownership document for the proposed project (436.05 Ha) along with the EIA report.



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2. The SIPCOT must submit permissible land use classification certificate obtained from competent authority for the proposed project (436.05 Ha) along with the EIA report.
3. The proponent should furnish the layout plan showing the green belt area with dimensions & DGPS (Differential Global Positioning System) co-ordinates of areas allocated for green belt (33%) and shall be provided along with the EIA report.

The proposal was considered in 323th SEIAA meeting held on 16.07.2018 and after detailed discussion, the Committee decided to prescribe standard ToR as per Annexure-I along with following Additional ToR.

1. The applicant shall obtain revised land use classification for the project area before entering to the sale deed
2. The SIPCOT shall provide green belt of 33% in common area and revise the plan accordingly. Further, the SIPCOT shall furnish the report for developing green belt with 5 rows of tree all along the periphery of the SIPCOT and in patches within to make up for 33% in common area.
3. Storm water management study shall be carried out engaging the services of reputed institutions.
4. Sufficient soil and moisture conservation along contours should be carried out.
5. Development of artificial/natural water source within the premises.
6. Detailed biodiversity study has to be carried out by the proponent engaging the services of reputed institutions.
7. Rain Water Harvesting System: The SIPCOT shall establish storm water collection and storage facility for 141000 cu.m in order to recover and reuse rain water during normal rains.

The Proponent, M/s .State Industries Promotion Corporation of Tamil Nadu has applied for Environmental Clearance to SEIAA-TN on 05.04.2019 for the development of Manaparai SIPCOT Park in S.F No. (Annexure –I) of Kannudaiyanpatty, K. Peryapatty (N) and Chattirapatty Villages, Manaparai Taluk, Trichy District, Tamil Nadu.


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The proposal was placed in this 133rd SEAC Meeting held on 24.08.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Project Location:

Survey No: (Annexure –I)

Revenue Village: Kannudaiyanpatty, K.Periyapatty (N) and Chattirapatty

Taluk: Manaparai

District: Tiruchirapalli

2. Location Details:

Longitude: 78° 26' 18.6"E to 78° 27' 55.5"E ;

Latitude: 10° 38' 37.7"N to 10° 40' 08.4"N

3. Area Details

Sl.No.	Description	Area (Hectares)
1	Plot area	331.55
2	Roads and Storm water drainage	23.00
3	Common amenities (EB, Water storage, Fire Services, Administrative Office, etc.)	3.51
4	Commercial activities	11.72
5	Green Belt outside plot area (OSR)	43.64
6	Green Belt along roadside	5.96
7	Solid Waste Management	16.95
	Total	436.05

4. Green Belt Development:

Sl.No.	Description	Area (Hectares)
1.	By SIPCOT outside the plot area	43.64
2.	By SIPCOT along the Road sides and Central meridian	5.69
3.	By Member Industries (30 % of the total plot area)	99.47


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	allotted to Member Industries) i.e 30% of 331.55 Ha	
	Total	148.80
	Percentage of Green Belt among Total Area of Industrial Park i.e 436.05 hectares	34.12%

5. Water requirement:

6 MLD from TWAD.

6. Effluent Treatment Plant:

All Member units will be mandated to install “Zero Liquid Discharge” based Effluent Treatment Plants to reclaim water for recycle/reuse in their utilities and green belt development.

7. Solid Waste Management:

Solid waste generated from the member industries will be handled by respective industries and they will be managed in compliance to Hazardous Solid Waste Management Rules, 2016. Specifically to address the Solid Waste Management, It is proposed to have designated space of 16.95 Ha to encourage any private players to provide the Solid Waste Management Facility.

8. Rain Water Harvesting:

RWHS will be established as per the standard practices as percolation pits and as per the guidelines of Tamilnadu Water Supply and Drainage Board (TWAD).

9. Estimated Cost of Project - Rs.500 crores.

The SEAC noted the following:

1. The Proponent, M/s .State Industries Promotion Corporation of Tamil Nadu has applied for Environmental Clearance to SEIAA-TN for the Construction of Manaparai SIPCOT Park in S.F No. (Annexure –I) of Kannudaiyanpatty, K. Peryapatty (N) and Chattirapatty Villages, Manaparai Taluk, Trichy District, Tamil Nadu.
2. The project/activity is covered under Category “B” of Item 8(b) “Township and area development Projects” of the Schedule to the EIA Notification, 2006.


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3. ToR issued vide letter No SEIAA-TN/F.No.6496/2018/8(b)/ToR-507/2018 Dated: 16.07.2018

Based on the presentation made by the proponent and the documents furnished. The SEAC decided to call for following additional details from the project proponent and the proponent has submitted his reply as follows,

a) The SIPCOT must submit land ownership document for the proposed project (436.05 Ha) along with the EIA report.

The proponent has enclosed the copy of the G.O.No (Ms) No.94 dated 14.05.2013.

The Above G.O does not specify the Survey No (**Annexure –I**) proposed by the project proponent while issuing Terms of Reference. Hence, the relevant document for the ownership of the above land to SIPCOT shall be furnished.

b) The SIPCOT must submit permissible land use classification certificate obtained from competent authority for the proposed project (436.05 Ha) along with the EIA report.

For this also the proponent has enclosed the copy of the G.O.No (Ms) No.94 dated 14.05.2013.

As requested in the Terms of Reference, the proponent is requested to submit the permissible land use classification certificate from the DTCP for the Survey No (Annexure –I) for the proposed SIPCOT park.

c) The proponent should furnish the layout plan showing the green belt area with dimensions & DGPS (Differential Global Positioning System) co-ordinates of areas allocated for green belt (33%) and shall be provided along with the EIA report.

The proponent has furnished the green belt break up in the tabular form given below:

Sl.No.	Description	Area (Hectares)
1.	By SIPCOT outside the plot area	43.64
2.	By SIPCOT along the Road sides and Central meridian	5.69
3.	By Member Industries (30 % of the total plot area allotted to Member Industries) i.e 30% of 331.55 Ha	99.47


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	Total	148.80
	Percentage of Green Belt among Total Area of Industrial Park i.e 436.05 hectares	34.12%

Along with layout plan of the SIPCOT park in their EIA report annexure -8.

It was noted from the layout plan that the Green Belt area allotted has following:

i) Outside plot area (OSR) - 43.64 Ha

ii) By SIPCOT along the Road sides and Central meridian – 5.69 Ha

But not shown Member Industries (30 % of the total plot area allotted to Member Industries) i.e 30% - 331.55 Ha in the layout plan .

The proponent was requested to revise the land break up details for the Green belt development for 33% of total project area (excluding the member industrial unit) and revised layout for the Green belt shall be furnished with dimensions and GPS co-ordinates.

d) Storm water management study shall be carried out engaging the services of reputed institutions.

The proponent has informed that college of Engineering, Anna University will be involved to study the storm water management and the finding will be incorporated in designing of Storm water management system.

The aforesaid reply was not acceptable. Since, Terms of Reference was issued requesting that “Storm water management study shall be carried out engaging the services of reputed institutions along with the EIA report. But, the proponent has not furnished. Hence, request to submit the said report.

e) Detailed biodiversity study has to be carried out by the proponent engaging the services of reputed institutions.

The proponent has furnished that “There is no specific biodiversity in the impact area of the proposed IP. However, SIPCOT will initiate such study before any project activity.”

As per the Terms of Reference, the proponent has to study the biodiversity by engaging the services of reputed institutions and furnish the report along with the EIA.


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In addition to that the project proponent is requested to furnish the following details:

- f) The unit shall furnish water balance and furnish proposal for installation of STP with design adequacy along with scheme for recycling the treated sewage.
- g) The project proponent shall demark the Inlet canals to the nearby water body and shall furnish the plan and layout for the Storm Water Management.
- h) The project proponent shall furnish the AAQ survey stating the period of survey with photographs.
- i) Provisional approval for the source of water supply from competent authority shall be furnished.
- j) The project proponent shall furnish the details on power requirements and DG Sets to be installed.
- k) The project proponent shall furnish the plan and layout for the Rainwater Harvesting.

On receipt of the above details, the project proponent will be requested to re- present before the SEAC about the proposal along with the aforesaid details.

The proponent has furnished the above said detail on 20.11.2019

The subject was placed in the 139th SEAC Meeting held on 23.11.2019. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following condition in addition to normal condition:

1. The project proponent shall ensure that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of one time use on and throwaway plastics.
2. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.


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3. The project proponent must submit the permissible land use classification certificate obtained from competent authority for the proposed project before obtain the CTE from TNPCB.
4. The proponent shall obtain the necessary permission/ NOC of water supply from the TWAD Board/competent Authourity.
5. The proposal for CER shall be furnished as per the office memorandum of MoEF & CC dated 01.05.2018 before placing the subject to SEIAA.
6. The allotted industrial units shall obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
7. The project proponent shall ensure the 33% of the total area of the project site should be covered with green belt .
8. The proponent shall provide Rain Water Harvesting pits so as to recharge the ground water table.
9. Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.
10. It is the sole responsibility of the proponent that the treated sewage disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
11. The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents,
12. The project proponent shall ensure that all the member units should treat and dispose solid waste & E-waste as per the Solid Waste Management Rule2016 as amended and E-Waste Management Rules, 2016
13. There shall be no discharge of effluent outside the Industrial Park at any time.
14. The Developer shall mandate the member units of the Industrial Park to install adequate APC measures/Acoustic to achieve air emissions standards within permissible limits prescribed by the CPCB.


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Agenda no: 139 – 02- 10

(File No. 7190 /2019)

Proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 2.43.0Ha in S.F.Nos.490/1A2 of Idaigal Part - II village, Ambasamudram Taluk, Tirunelveli District the state of Tamil Nadu by Thiru.E. Vinoth Sankarlal – for Environment Clearance.
(SIA/TN/MIN/44081/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The quarry lease was applied in the name of Thiru.E.VinothSankarlal, Tirunelveli, Precise Area Communication was issued by the District Collector, Tirunelveli vide Rc.No.M1/33360/2017, dated 15.02.2019 for a period of 5 years. It is a fresh lease for Rough Stone, Jelly and Gravel Quarry over an Extent of 2.43.0Ha in S.F.No.490/1A2at Idaigal Part-II Village, AmbasamudramTaluk, Tirunelveli District.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was ~~got~~ approved ^{by} ~~from~~ the Deputy Director, Department of Geology and Mining, Tirunelveli District vide Rc.No.M1/33360/2017 Dated: 28.05.2019.

3. As per the Department of Geology and Mining, Tirunelveli District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of 3,17,062m³ of Rough Stone and 13,755m³ of gravel formation for the period of Five years.


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YEAR	ROUGHSTONE (m3)	GRAVEL (m3)
I	63497	13755
II	63470	
III	63460	
IV	59700	
V	66935	
TOTAL	317062	13755

4. The quarry operation is proposed depth of 42m (from + 99m RL to 57m RL).
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with bench height of 5.0m & 5.0m width is considered.
6. Rough stone and Gravel are to be transported by Tippers of 4Nos. (5/10Tcapacity).
7. The project is located atLatitude:08°47'33"N to 08°47'39"N and Longitude: 77°29'02"E to 77°29'10"E.(Toposheet Number: 58 H /5, 6, 9 & 10)
8. The total Manpower requirement is 20Nos. (Permanent:14, Temporary: 6)
9. Total cost of the projects is Rs.68,32,000/- (Including Operational + Fixed Asset & EMP cost). EMP cost about Rs.4,60,000/-
10. The ground water table is at a depth of 58m to 55m.
11. Applied lease area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) is located within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary is located within the radius of 10km from the lease area.
Western Ghats ESA boundary as per MoEF& CC draft notification dated 3rd October 2018 is located 14.5Km from the lease area on the Southwestern side.
14. No Wild Life Sanctuary is located within 10km Radius

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15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 is located within the radius of 10km from the lease area.
16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area is located within the radius of 10km.
17. No habitation is located within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Idaigal Part-II Village, Ambasamudram Taluk, Tirunelveli District dated 15.07.2019.
18. Letter obtained from the Deputy Director, Department of Geology and Mining, Tirunelveli vide Letter Rc.No.M1/33360/2017 dated 26.07.2019 informed that the details of the existing, abandoned and proposed quarries within 500m radius from the proposed Rough Stone quarry as follows.

Sl. No	Name of the quarry owner	Taluk& Village	S.F.No& Extent	Distance from the boundary of the proposed quarry	Quarry Details
1	Existing Quarry				
	NIL				
2	Abandoned Quarry				
	NIL				
3	Proposed Quarry				
1	Thiru.E.Vinoth Sankarlal, S/o.Ramakrishnan Ayyar Street, Chettikulam, Ambasamudram Taluk, Tirunelveli District.	Idaigal Part-II Ambasamudram	490/1A 2, 2.43.0 Ha	-	Proposed Quarry

The SEAC noted the following:


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1. The Proponent, Thiru.E.Vinoth Sankarlal has applied for Environment Clearance to SEIAA-TN for the Rough Stone, Jelly and Gravel quarry lease over an extent of 2.43.0Ha in S.F.No: 490/1A2, Idaigal Part-II Village, Ambasamudram Taluk, Tirunelveli District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

After the detailed presentation and documents furnished by the proponent, SEAC observed that there is water body (Lake) in the western side of leased mining area and the proposed mining activity is likely to affect the water body and thereby there will be negative impact on agricultural activities and livelihood of the people living nearby. Hence the SEAC decided not to recommend the proposal.

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Agenda No. 139-02-11

(File No. 7254/2019)

Proposed Coleroon River Sand quarrying over an extent of 20.00.0 Ha at S.F. No. 321/1(Part) in Vadarangam Village, Sirkazhi Taluk, Nagapattinam District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD- For Terms of Reference.

(SIA/TN/MIN/45870/2019)

The proposal was placed in this 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the Environmental impact Assessment as presented by the proponent are as follows:

1. Government order / lease details:

The Quarry lease was applied in the name of Executive Engineer, Mining and Monitoring Division Thanjavur, Precise area communication letter was issued by the District Collector, Nagapattinam District Vide Letter Na.Ka.402/Kanimam/2018 dated 09.02.2019. It is a fresh lease for sand Quarry for over an extent of 20.00.0 Ha in S.F. No: 321/1(Part) in Vadarangam Village, Sirkazhi Taluk, Nagapattinam District.

2. Mining Plan approval details :

Mining Plan was prepared for the period of Eighteen Months. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Nagapattinam District Vide letter Rc. No.402/Mines/2018 dated 22.04.2019.

3. As per the Department of Geology and Mining, Nagapattinam District. Mining Plan approval for the Eighteen Months, the production schedule for Eleven Months states that the total quantity of should not exceed 279364 cu.m of shoals and 200000cu.m of sand.


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4. The quarry operation is proposed upto a depth of 1m below the theoretical bed level.
5. The Quarry operation is proposed to carry out with open cast semi mechanised mining.
5. The sand is directly loaded into tippers/trucks with the capacity of 10-20 Tons.
6. Total number of excavators used for quarrying sand-4Nos
7. The project is located at 11°17'09.70"N to 11°17'35.56"N latitude and 79°38'38.47" E to 79°38'46.84"E longitude.
8. The total Manpower requirement is 42 Nos.
9. Total cost of the project is Rs. 775Lakhs and EMP Cost about Rs. 3.77Lakhs.
10. The water table is found to be at the depth of 6-8 m below the ground level
11. Applied lease area is not covered under HACA region.
12. No Coastal Regulation zone (CRZ) is located within the radius of 10 m from the lease area
13. No interstate boundary & western Ghats Boundary is located within the radius of 10 km from the lease area.
14. No National Park & wild life sanctuary is located within the radius of 10 km from the lease area
15. No critically polluted area as notified by the central pollution Control board constituted under water (Prevention and Control of Pollution Act 1974 is located within the radius of 10 km.
16. No protected Area, Eco Sensitive Zone & Eco sensitive area is located within the radius of 10 km.
17. No habitation is located within the radius of the 300 m from the lease area as stated in the letter obtained from VAO, Vadarangam Village in Sirkazhi Taluk, Nagapattinam District.

SEAC Noted that

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1. The proponent, M/s. The Executive Engineer, PWD/WRD, submitted application for Terms of Reference in Form-I, Pre- Feasibility report for the Coleroon river Sand Quarrying over an extent of 20.00.0 Ha at 321/1(Part), Vadarangam Village in Sirkazhi Taluk, Nagapattinam District, Tamil Nadu
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, the SEAC decided to recommend the proposal grant of Terms of References (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:

1. The details of the location to cover land use and ecologically sensitive areas.
 - a. Details of wells in the vicinity, ground water tables and other surface water bodies in the vicinity.
 - b. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed.
 - c. Agricultural land if any, surrounding the quarry site.
 - d. The composition of sand and other minerals present in the river bed.
 - e. Details of the river bed.
 - f. History of mining in the area shall be furnished.
2. Reclamation of the sand area after mining needs to be submitted.
3. Justification for usage of more porclains in individual sand mining areas to be given.
4. Adequate safety measures in the quarrying area with respect to porclains to be deployed.


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5. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.
6. The impact of dust pollution and noise on the habitations nearby.
7. The PWD has to give scientific evidence for concluding that river sand depth is 1m.may not cause any significant impact on the ground water table in the surrounding environment
8. The PWD has to furnish the details regarding agricultural activities that are taking place around the project area.
9. The details of the open/bore wells in the vicinity of the project site should be furnished.
10. Study the quality and quantity of ground water in 5km radius in the downstream of the project site.
11. Study the Impact of sand mining on the structures located in the nearby vicinity.
12. The route map for the Lorries for accessing the project area and for transporting mined sand should be specified.
13. The details regarding traffic volume in the vicinity of project area should be furnished.
14. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
15. A detail study shall be conducted on the impact of sand mining with the habitation and cultivation in the nearby area along the river bed and its mitigation measures.
16. The mining area must be demarcated leaving at least 50m from the river embankment on either side.

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17. 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.
18. The EIA report should be as per the Guidelines for Sustainable Sand Mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
19. 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. In such a way a plan of action should be submitted.
20. EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP.
21. The recommendation for the issue of Terms of Reference is subject to the final outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No. 186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).
22. The proposal for CER shall be furnished with time frame as per the office memorandum of MoEF&CC dated 01.05.2018.
23. In addition to following details to be furnished.
- I. Quantity estimated to be mined through machineries with extent.
 - II. Quantity estimated to be mined through manual mining with extent.


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- III. Certificate from the VAO stating the details of habitation located within 300 m radius from the boundary of the proposed site along with FMB sketch.
- IV. The project proponent has to furnish the affidavit stating that there are no bridges, culverts, cross masonaries, water head works or any other civil structures within 500 mts., of the proposed quarry site.
- V. The RL Upstream, RL Downstream, RL Starting, RL Ending, Chainage Starting km, Ending km details shall be furnished.
- VI. Geological sections Map should be furnished.
- VII. 500m, 1km & 5km radius of clear Google Map showing all the features like agricultural activities, habitations, etc
- VIII. The self purification capacity of the river shall be furnished.
- IX. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.

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Agenda no: 139 – 02- 12

(File No. 6497/2017)

Proposed construction of Thindivanam SIPCOT Park by M/s. State Industries Promotion Corporation of Tamil Nadu at S.F.No. 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41,42,43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2,3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt of Venmaniyathoor Village, 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, Thindivanam Taluk, Villupuram District - for Environmental Clearance SIA/TN/NCP/20359/2017)

The Proponent of “M/s. State Industries Promotion Corporation of Tamil Nadu” has applied for ToR for the proposed construction of Thindivanam SIPCOT Park at S.F.No. 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41,42,43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2,3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt of Venmaniyathoor Village, 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, Thindivanam Taluk, Villupuram District on 01.02.2018.

The SEIAA-TN asked for certain particulars from the proponent for which the proponent responded partially.

The proposal was placed in the 111st SEAC Meeting held on 16.05.2018.

The Salient features of the project proposal are as follows:

1. The SIPCOT proposes to develop Thindivanm industrial Park exclusively for industries that are not covered under the EIA Notification, 2006 at the Pelakuppam, Kollar, Venmaniyathur Villages in an area of 291.60.50 ha. The Thindivanam industrial park is likely to accommodate General Engineering industries and all other such industries which are not under the purview of EIA Notification, 2006, which do not require Environmental Clearance.


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2. Required water of 4 MLD will be sourced from treated domestic waste water from Thindivanam for the project.
3. Summary of land use pattern has been furnished which contain critical errors.

The SEAC interacted with the proponent about the project proposal. The following are the summary of the discussion:

- a) The proponent has furnished the type of industries likely to come up in the project. However, the number of industries (atleast approximately) likely to come up in the park has not been specified. The data regarding this aspect is very vital for assessing the possible environmental impacts and finalising the necessary environmental management measures required for the industries. Only with this data, it will be possible to foresee the type of environmental issues that will be coming up like air pollution, water pollution, solid waste, hazardous waste etc. Therefore, the proponent was directed to furnish the complete concept about the composition of the industrial project along with appropriate management plan.
- b) In the summary of land use pattern, the percentage land use for member industries, roads and storm water drains, common amenities and green belt add upto 124.35 % which cannot be more than 100%. This needs to be verified and revised.
- c) Similarly the green belt area totally is said to be 34.35 % whereas the addition of the break up amounts to 41.7 %. This needs to be verified and revised.
- d) A layout plan showing the various features like the industrial plots, roads, drainage, and green belt should be furnished.
- e) The SEAC decided to direct the proponent to revise the proposal to include the data and information as directed above and submit the revised proposal to the SEAC for further course of action.

The above minutes was communicated to the project proponent vide SEIAA-TN letter dated: 21.05.2018. The proponent has furnished the reply vide their letter dated: 04.06.2018, received by the office on 05.06.2018.

The original proposal along with the reply was placed in the 115th SEAC Meeting held on 27.06.2018.

The features of the proposed industrial park as noted in the letter are as follows:

5. 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:

S.No.	Type of Industries	Approximate no. of units	Area (in Hectares)
1	Engineering units such as fabrication, machining, forging, castings, etc	34	87.48
2	Auto components	21	54.68
3	Food Processing	17	43.74
4	Packaging Units	4	10.94
5	Other non polluting industries	9	21.87
	Total	85	218.70

6. The land use pattern of the park is given here under:

Sl.No.	Description	Area (in hectare)	% of area
1	Plot area	218.70	75.0
2	Road and storm water drainage	19.83	6.8
3	Common amenities	4.37	1.5
4	Commercial activities	14.58	5
5	Green belt outside plot area	29.16	10.0
6	Green belt along roadside	4.95	1.7
	Total	291.60	100

7. The green belt area with direct contribution and implementation by SIPCOT is envisaged for an extent of 34.11 Ha (outside plot area, all along the boundary and along the roadside). Further, member industries will provide green belt for 30% of the allotted area. Overall, 34.20% of total area of the industrial park will be under green belt as given below:


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Sl.No.	Description	Area (Ha)
1	By SIPCOT, outside the plot area	29.16
2	By SIPCOT, along the road side and centre median	4.95
3	Nu member industries (30% of the plot area allotted to member industries)	65.61
	Total	99.72
	Percentage of green belt among total area of industrial park i.e. 436.05 Ha	34.20%

8. Total area for the proposed industrial park is 291.60.5 Ha which comprises of Poromboke Land (43.50 Ha) & dry land (248.10.5 Ha). In the G.O. (Ms). No. 176 Industries Department dated: 16.12.2010, the Government of Tamil Nadu have accorded administrative sanction for the acquisition of 291.60.5 Ha for the industrial park. However, the SIPCOT is yet to acquire the land. The SIPCOT is also yet to obtain the necessary land use certificate for the establishment of industrial park in the land identified.

Based on the presentation made by the proponent, the SEAC Members interacted with the proponent about the project. The SEAC Members insisted that certain essential utilities like solid waste management, industrial effluent treatment and Storm water drainage should be the responsibility of the SIPCOT. Similarly, the SIPCOT should ensure that apart from the common green belt created by SIPCOT, the industries should create additional green belt so that the total green belt area adds up to 33 %. The SEAC was also informed that source of water for the project will be Tertiary Treatment Reverse Osmosis (TTRO) to be set up at Tindivanam by TWAD Board. The SEAC Members suggested that an alternate source of water will be finalized in absence of the TWAD Board source.

Since the material contained in the reply furnished has not been incorporated in the prefeasibility report already submitted and the SEAC Members have made a few suggestions for consideration of SIPCOT, the SEAC directed the SIPCOT to revise the prefeasibility report and submit the same to SEAC on 28.06.2018. Accordingly, the SIPCOT submitted the revised prefeasibility report which was perused by the SEAC.

Based on the deliberation stated above, the SEAC decided to recommend the proposal to create Thindivanam SIPCOT Park by M/s. State Industries Promotion Corporation of Tamil Nadu at S.F. No. 45, 46, etc of Pelakuppam, Kollar, Venmaniyathur Villages, Thindivanam Taluk, Villupuram District. The ToR recommended will be the standard ToR applicable to projects governed under category 8(b), Township & Area Development Projects. The MoEF & CC has already issued guidelines (February 2010) for preparing the EIA report for Township & Area Development Projects and the proponent should be directed to strictly follow the guidelines and modify as necessary to suit the Industrial park in the place of Township & Area Development Projects. This recommendation is also subject to the fulfilment of the following conditions:

1. The SIPCOT must submit land ownership document for the proposed project (291.60.5 Ha) along with the EIA report.
2. The SIPCOT must submit permissible land use classification certificate obtained from competent authority for the proposed project (291.60.5 Ha) along with the EIA report.
3. The proponent should furnish the layout plan showing the green belt area with dimensions & DGPS (Differential Global Positioning System) co-ordinates of areas allocated for green belt (33%) and shall be provided along with the EIA report.

The proposal along with the EIA report was placed in the 133rd SEAC Meeting held on 25.07.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Project Location:

Survey No: 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt of Venmaniyathoor Village, 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203,


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204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, Thindivanam Taluk, Villupuram District.

2. Land Area:

291.605 Hectares – Alienated to SIPCOT by GoTN vide G.O (Ms) No.176 dated 16/12/2010

3. Location Details:

Longitude : 79° 36' 30.92"E to 79° 37' 37.02"E

Latitude : 12° 14' 21.91"N to 12° 15' 28.51"N

4. Land break up details:

Sl.No.	Description	Area (Hectares)
1	Plot area	218.70
2	Roads and Storm water drainage	19.83
3	Common amenities (EB, Water storage, Fire Services, Administrative Office, etc.)	4.37
4	Commercial activities	14.58
5	Green Belt outside plot area (OSR)	29.16
6	Green Belt along roadside	4.95
	Total	291.60

5. Green Belt Development

Sl.No.	Description	Area (Hectares)
1.	By SIPCOT outside the plot area	29.16
2.	By SIPCOT along the Road sides and Central meridian	4.95
3.	By Member Industries (30 % of the total plot area allotted to Member Industries) i.e. 30% of 218.70 Ha	65.61
	Total	99.72
	Percentage of Green Belt among Total Area of Industrial Park i.e. 291.60 hectares	34.20%

6. Water requirement:

4 MLD (1 MLD Potable water from TWAD and 3 MLD Non Potable water from TTRO plant)

7. Effluent Treatment Plant:

All Member units will be mandated to install "Zero Liquid Discharge" based Effluent Treatment Plants to reclaim water for recycle/reuse in their utilities and green belt development.

8. Rain Water Harvesting:

RWHS will be established as per the standard practices as percolation pits and as per the guidelines of Tamilnadu Water Supply and Drainage Board (TWAD).

9. Solid Waste Management:

Solid waste generated from the member industries will be handled by respective industries and they will be managed in compliance to Hazardous Solid Waste Management Rules, 2016.

10. Estimated Cost of Project - Rs.300 crores and EMP Cost: Rs.4.5 crores.

The SEAC noted the following:

1. The Proponent, M/s. State Industries Promotion Corporation of Tamil Nadu has applied for Environmental Clearance to SEIAA-TN for the Construction of Thindivanam SIPCOT Park in S.F No. 45, 46, etc of Pelakuppam, Kollar, Venmaniyathur Villages, Thindivanam Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(b) "Township and area development Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished. The SEAC decided to call for following additional details from the project proponent:

- a) **The SIPCOT must submit land ownership document for the proposed project (291.60.5 Ha) along with the EIA report.**

The proponent has enclosed the copy of the G.O.No (Ms) No.176 dated 16.12.2010. The Above G.O does not specify the Survey No: 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt of Venmaniyathoor Village, 181pt, 182, 183, 184,


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194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, Thindivanam Taluk, Villupuram District for the proposed by the project proponent while issuing Terms of Reference. Hence, the relevant document for the ownership of the above land to SIPCOT shall be furnished.

b) The SIPCOT must submit permissible land use classification certificate obtained from competent authority for the proposed project (291.60.5 Ha) along with the EIA report.

For this also the proponent has enclosed the copy of the G.O.No (Ms) No.176 dated 16.12.2010. As requested in the Terms of Reference, the proponent is requested to submit the permissible land use classification certificate from the DTCP for the Survey No: 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41,42,43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2,3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt of Venmaniyathoor Village, 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, Thindivanam Taluk, Villupuram District for the proposed SIPCOT park.

c) The proponent should furnish the layout plan showing the green belt area with dimensions & DGPS (Differential Global Positioning System) co-ordinates of areas allocated for green belt (33%) and shall be provided along with the EIA report.

The proponent has furnished the green belt break up in the tabular form given below:

Sl.No.	Description	Area (Hectares)
1.	By SIPCOT outside the plot area	29.16
2.	By SIPCOT along the Road sides and Central meridian	4.95
3.	By Member Industries (30 % of the total plot area allotted to Member Industries) i.e. 30% of 218.70 Ha	65.61
	Total	99.72

	Percentage of Green Belt among Total Area of Industrial Park i.e. 291.60 hectares	34.20%
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Along with layout plan of the SIPCOT park in their EIA report annexure -8.

It was noted from the layout plan that the Green Belt area allotted has following:

- i) Outside plot area (OSR) - 43.64 Ha
- ii) By SIPCOT along the Road sides and Central meridian – 5.69 Ha

But not shown Member Industries (30 % of the total plot area allotted to Member Industries) i.e 30% - 65.61 Ha in the layout plan .

The proponent is requested to revise the land break up details for the Green belt development for 33% of total project area (excluding the member industrial unit) and revised layout for the Green belt shall be furnished with dimensions and GPS co-ordinates.

d) Storm water management study shall be carried out engaging the services of reputed institutions.

The proponent has informed that college of Engineering, Anna University will be involved to study the storm water management and the finding will be incorporated in designing of Storm water management system.

The aforesaid reply was not acceptable. Since, Terms of Reference was issued requesting that "Storm water management study shall be carried out engaging the services of reputed institutions along with the EIA report. But, the proponent has not furnished. Hence, request to submit the said report.

e) Detailed biodiversity study has to be carried out by the proponent engaging the services of reputed institutions.

The proponent has furnished that "There is no specific biodiversity in the impact area of the proposed IP. However, SIPCOT will initiate such study before any project activity." As per the Terms of Reference, the proponent has to study the biodiversity by engaging the services of reputed institutions and furnish the report along with the EIA.

In addition to that the project proponent is requested to furnish the following details:

- f) The unit shall furnish water balance and furnish proposal for installation of STP with design adequacy along with scheme for recycling the treated sewage.


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- g) The project proponent shall demark the Inlet canals to the nearby water body and shall furnish the plan and layout for the Storm Water Management.
- h) The project proponent shall furnish the AAQ survey stating the period of survey with photographs.
- i) Provisional approval for the source of water supply from competent authority shall be furnished.
- j) The project proponent shall furnish the details on power requirements and DG Sets to be installed.
- k) The project proponent shall furnish the plan and layout for the Rainwater Harvesting.
- l) The project proponent shall demark the Inlet canals to the nearby water body and shall furnish the plan and layout for the Storm Water Management.
- m) Provisional approval for the source of water supply from competent authority shall be furnished.

On receipt of the above details, SEAC will decide the further course of action on the proposal.

The proponent has furnished the above said detail on 20.11.2019.

The subject was placed in the 139th SEAC Meeting held on 23.11.2019. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following condition in addition to the normal conditions:

1. The project proponent shall ensure that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of one time use on and throwaway plastics.
2. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.

3. The project proponent must submit the permissible land use classification certificate obtained from competent authority for the proposed project before obtain the CTE from TNPCB.
4. The proponent shall obtain the necessary permission/ NOC of water supply from the TWAD Board/competent Authourity.
5. The proposal for CER shall be furnished as per the office memorandum of MoEF & CC dated 01.05.2018 before placing the subject to SEIAA.
6. The allotted industrial units shall obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
7. The project proponent shall ensure that 33% of the total area of the project site should be covered with green belt .
8. The proponent shall provide Rain Water Harvesting pits so as to recharge the ground water table.
9. Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.
10. It is the sole responsibility of the proponent that the treated sewage disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
11. The Developer has to ensure that all the member industries within the Industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents,
12. The project proponent shall ensure that all the member units should treat and dispose solid waste & E-waste as per the Solid Waste Management Rule2016 as amended and E-Waste Management Rules, 2016
13. There shall be no discharge of effluent outside the Industrial Park at any time.
14. The Developer shall mandate the member units of the Industrial Park to install adequate APC measures/Acoustic to achieve air emissions standards within permissible limits prescribed by the CPCB.


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Agenda no: 139 – 02- 13

(File No. 7171 /2019)

Proposed Gravel quarry lease over an extent of 2.15.5Ha in S.F.Nos.137/2B1, 137/2A2, 137/2B2, 137/1A, 137/2C, 137/3A, 172/4C, 173/2B2 and 137/1B of Jeyankondanilai village, Singampunari Taluk, Sivagangai District the state of Tamil Nadu by Thiru.A.Ansar Ali – for Environment Clearance.

(SIA/TN/MIN/43331/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government order/ Lease details:

- a. The Quarry lease was applied in the name of Thiru.A. Ansar Ali, Precise Area Communication letter was issued by the District Collector, Sivagangai District vide Rc. No. M2/691/2017, dated 28.08.2019 for a period of one year. It is a Fresh lease for Gravel quarry over an extent of 2.15.5Ha in S.F.Nos. 137/2B1, 137/2A2, 137/2B2, 137/1A, 137/2C, 137/3A, 172/4C, 173/2B2 and 137/1B of Jeyankondanilai village, Singampunari Taluk, Sivagangai District.

2. Mining Plan/Scheme of Mining approval details:

- a. Mining plan was prepared for the period of one year. The Mining Plan was got approval from the Assistant Director, Department of Geology and Mining, Sivagangai District vide Roc. No. M2/691/2017, dated 12.09,2019.

3. As per the Department of Geology and Mining, Sivagangai District. Mining Plan approval for the one year, the production schedule for one year states that the total quantity of Gravel should not exceed 24,892m³.

- a. For First year - 24,892m³ of Gravel

4. The quarry operation is proposed upto a depth of 2m below the ground level.


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5. The Quarry operation is proposed to carry out with open cast semi mechanized mining like excavators (without drilling and blasting).
6. Gravelare to be transported by Tippers. (10/20T capacity).
7. The project is located at 10°02'45.48"N to 10°02'54.65"Nlatitude and 78°25'58.31"E to 78°26' 04.37"ELongitude.
8. The total Manpower requirement is 9 Nos.
9. Total cost of the projects is Rs. 9.53 lakhs and EMP cost about Rs. 1.50lakh.
10. The Water table is found to be at the depth of 45mbelow the ground level.
11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km.
16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Jeyankondanilai village, S.S. KottaiTaluk, Sivagangai District dated19.09.2019.
18. Letter obtained from the Assistant Director, Department of Geology and Mining, Sivagangai vide Letter Roc.No. M2/691/2017, dated 13.09.2019informed that, the following quarries are located within 500m radius from the proposed area for clearance.


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S. No.	Name of the quarry owner	Name of village & Survey Number	Extent (in Hect)	Distance from this proposed quarry
a. Existing Quarries				
		--Nil--		
b. Abandoned quarries				
		--Nil--		
c. Present proposed quarries				
1.	A. Ansari Ali	Jeyankondaniliai Village, Singampunari Taluk S.F.Nos. 137/2B1, 137/2A2, 137/2B2, 137/1A, 137/2C, 137/3A, 172/4C, 173/2B2 and 137/1B	2.15.5	
		Total	2.15.5	

The SEAC noted the following:

1. The Proponent, A. Ansari Ali has applied for Environment Clearance to SEIAA-TN for the Gravel quarry lease over an extent of 2.15.5Ha in S.F.No: 137/2B1, 137/2A2, 137/2B2, 137/1A, 137/2C, 137/3A, 172/4C, 173/2B2 and 137/1B, Jeyankondaniliai Village, Singampunari Taluk, Sivagangai District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Bases on the Initial discussion with the proponent and the scrutiny of documents furnished, It was noticed that the lease deed is not registered yet. Hence the SEAC decided to direct the proponent to submit the registered lease deed, before making presentation. On receipt of the above details, SEAC will decide the further course of action on the proposal.


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Agenda no: 139 – 02- 14

(File No. 7194 /2019)

Proposed Rough Stone and Gravel quarry lease over an extent of 3.99.0 Ha in S.F.Nos. 35/4A, 35/4B, 35/4C, 35/4D, 35/4E, 35/4F, 35/4G, 35/4H and 35/4lat Maruthamputhur Part-I Village, Alangulam Taluk, Tirunelveli District the state of Tamil Nadu by Thiru.G. Karuppasamy – for Terms of Reference.

(SIA/TN/MIN/43761/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru.G.Karuppasamy, Tirunelveli, Precise Area Communication was issued by the District Collector, Tirunelveli vide Rc.No.M1/24418/2017, dated 06.09.2018 for a period of 5 years. It is a fresh lease for Rough Stone, Jelly and Gravel Quarry over an Extent of 3.99.0Ha in S.F.Nos.35/4A, 35/4B, 35/4C, 35/4D, 35/4E, 35/4F, 35/4G, 35/4H and 35/4lat Maruthamputhur Part-I Village, Alangulam Taluk, Tirunelveli District.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approved from the Deputy Director, Department of Geology and Mining, Tirunelveli District vide Rc.No.M1/24418/2017 Dated: 09.10.2018.

3. As per the Department of Geology and Mining, Tirunelveli District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of 6,77,950m³ of Rough Stone, 1,36,500m³ of Weathered Rock and 55,932m³ of gravel formation for the period of Five years.


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YEAR	ROUGHSTONE (m3)	WEATHERED ROCK (m3)	GRAVEL (m3)
I	135410	136500	55932
II	135800		
III	135420		
IV	135690		
V	135630		
TOTAL	677950	136500	55932

4. The quarry operation is proposed depth of 72m (from + 126m RL to 54m RL).
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with bench height of 5.0m & 5.0m width is considered.
6. Rough stone and Gravel are to be transported by Tippers of 4Nos. (5/10Tcapacity).
7. The project is locate at Latitude: 08°49'11"N to 08°49'19"N and Longitude: 77°31'22"E to 77°31'31"E. Toposheet Number: 58 H /05, 06, 09 & 10.
8. The total Manpower requirement is 19Nos. (Permanent:14, Temporary: 5)
9. Total cost of the projects is Rs.74,46,000/- (Including Operational + Fixed Asset & EMP cost).
EMP cost about Rs.4,50,000/-
10. The ground water table is at a depth of 80m to 77m.
11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
Western Ghats ESA boundary as per MoEF & CC draft notification dated 3rd October 2018 is located 20.0km from the lease area on the Southwestern side.
14. Wild Life Sanctuary: (Nil within 10km Radius)
Kalakad Mundanthurai Tiger Reserve 16.3Kms (S) side.


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Nellai Wild Life Sanctuary 23.0Kms (NW) side.

Gangaikondan Spotted Deer Sanctuary 25.0Km (E) side.

15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Maruthamputhur Part-I Village, Alangulam Taluk, Tirunelveli District dated 31.10.2019.
18. Letter obtained from the Deputy Director, Department of Geology and Mining, Tirunelveli vide Letter Rc.No.M1/24418/2017 dated 06.08.2019 informed that the details of the existing, abandoned and proposed quarries within 500m radius from the proposed Rough Stone quarry as follows.

S.No	Name of the Lessee	Village & S.F.No	Extent Hectares
1.Existing Quarries			
1	G.Karuppasamy, S/o.Gurusamy, No.249, Sivanthinagar, Kuthukkalvalasai, Tenkasi Taluk, Tirunelveli District.	Alangulam Taluk, Maruthamputhur Village, S.F.Nos.162/6A, 6B, 163/4, 5, 6 & 7	3.76.0Ha
2.	R.Minnalkodi W/o.S.S.Ramasubbu, Alangulam Taluk, Tirunelveli District	Alangulam Taluk, Maruthamputhur Village, S.F.Nos.160/2, 5, 161/1, 3, 4 & 5	2.96.5Ha
2.Abandoned Quarries			
1	S.Muthaiah S/o.Sivanu Konar, Maruthamputhur, Alangulam Taluk, Tirunelveli District	Alangulam Taluk, Maruthamputhur Village, S.F.No.35/5H	0.24.0Ha


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3. Present Proposed Quarries			
1	Thiru.G.Karuppasamy, S/o.Gurusamy, No.249, Sivanthinagar, Kuthukkal Valasai, Tenkasi Taluk, Tirunelveli District. Pin code- 627811.	Alangulam Taluk, Maruthamputhur Part-I Village, S.F.Nos.35/4A, 35/4B, 35/4C, 35/4D, 35/4E, 35/4F, 35/4G, 35/4H and 35/4I	3.99.0Ha

The total lease within the 500m radius (existing + proposed) works out to 10.71.5 ha including this lease area.

Although the individual lease area of this project is less than 5 Ha, the cluster area within 500m is more than 5 Ha, but the combined area is < 25Ha only.

Under the above circumstances, this report is prepared for issue of Terms of Reference towards obtaining environmental clearance.

The SEAC noted the following:

1. The Proponent, Thiru.G.Karuppasamy has applied for Terms of reference for the Rough Stone, Jelly and Gravel Quarry over an Extent of 3.99.0Ha in S.F.Nos.35/4A, 35/4B, 35/4C, 35/4D, 35/4E, 35/4F, 35/4G, 35/4H and 35/4I at Maruthamputhur Part-I Village, Alangulam Taluk, Tirunelveli District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of Terms of Reference (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:

1. The study shall be conducted on the combined impact of the quarries in the cluster
2. A detailed study of the lithology of the mining lease area shall be furnished.
3. Details of village map, "A" register and FMB sketch shall be furnished.


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4. The proposal for green belt activities shall be furnished.
5. The Socio economic studied should be carried out within 10km buffer zone from the mines.
6. Detailed study report combined impact of the crushers, impact of the water body, open well detail within 1km radius impact on this the project proponent shall furnish in the EIA report.
7. Detailed mining closure plan for the proposed project approved by the Geology of Mining department shall be submitted along with EIA report.
8. The spot levels and contour levels of the proposed quarry site shall be studied and the same shall be furnished to along with EIA.
9. A detailed report on the safety and health aspects of the workers and for the surroundings habitants during operation of mining for drilling and balsting shall be submitted.
10. The proponent conduct a detailed Hydrological study of the area towards the impact of this mining on the surface water & ground hydrology and furnish the same along with EIA report.
11. The proposal for CER shall be furnished with time frame as per Office Memorandum of MoEF&CC dated 01.05.2018.
12. Obtain a letter/Certificate from the Assistant Director of Geology and Mining standing that there is no other Minerals/resources like sand in the quarrying area within the approved depth of mining and below depth of mining and the same shall be furnished in the EIA report.
13. Ground water quality monitoring should be conducted as per norms and the report shall furnish in the EIA report.
14. EIA report should strictly follow the Environmental Impact Assessment Guidance Manual for Mining of Minerals published February 2010.
15. Details plan on rehabilitation and reclamation carried out for the stabilization and restoration of the mined areas.
16. The EIA study report shall include the surrounding mining activity, if any.


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17. Modelling study for Air, Water and noise shall be carried out and incremental increase in the above study shall be substantiated with mitigation measures.
18. A study on the geological resources available shall be carried out and reported.
19. A specific study on the mining impact on agriculture & Livelihood shall be carried out and reported.
20. Impact on ponds, rivers and other waste bodies to be elaborated.
21. Impact of soil erosion, soil physical chemical and biological property changes may be assumed.
22. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).

Agenda no: 139 – 02- 15

(File No. 7197 /2019)

Proposed Rough stone and Gravel quarry lease over an extent of 4.76.0Ha comprising S.F.Nos. 926/1, 926/2 and 945 of Thimmarasanaickanur Bit-I Village, Andipatti Taluk, Theni District, Tamil Nadu by Thiru. T. Sivakumar– For Environmental Clearance.

(SIA/TN/MIN/43953/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:


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1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru. T. Sivakumar, Precise Area Communication was issued by the District Collector, Thenivide Rc.No. 81/Mines/2019, dated 24.09.2019 for a period of 5 years. It is a fresh lease for Rough stone and Gravel quarry over an extent of 4.76.0Ha comprising S.F.Nos. 926/1, 926/2 and 945 of Thimmarasanaickanur Bit-I Village, Andipatti Taluk, Theni District, Tamil Nadu.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Assistant Geologist / Assistant Director (i/c), Department of Geology and Mining, Theni District vide Rc.No. 81/Mines/2019, dated 01.10.2019.

3. As per the Department of Geology and Mining, Theni District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 7,32,118m³ and Gravel should not exceed 97,920m³

- a. For First year - 1,32,936m³ of Rough stone and 34,830m³ of Gravel
- b. For Second year - 1,89,628m³ of Rough stone and 27,148m³ of Gravel
- c. For Third year - 1,80,254m³ of Rough stone and 24,108m³ of Gravel
- d. For Fourth year - 1,22,025m³ of Rough stone
- e. For Fifth year - 1,07,275m³ of Rough stone

4. The quarry operation is proposed up to a depth of 60m(20m above ground level + 40m below ground level).

5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench and width.

6. Rough stone are to be transported by Tippers of 5 Nos. (20 T Capacity).

7. The project is located at 09°59'52.83"N to 10°00'00.67"N latitude and 77°41'29.57"E to 77°41'38.67"E Longitude.

8. The total Manpower requirement is 42Nos.


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9. Total cost of the projects is Rs. 81.23lakhs and EMP cost about Rs. 3.80lakhs
10. The Water table is found to be at the depth of 65m in summer season and 60m in rainy season.
11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
15. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
16. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Thimmarasanaickanur Bit-I Village, Andipatti Taluk, Theni District dated 28.04.2019.
17. Letter obtained from the Assistant Geologist / Assistant Director (i/c.), Department of Geology and Mining, Thenivide Letter ROC. No. 81/Mines/2019, dated 01.10.2019 informed that the following quarries are situated within 500 m radial distance from the proposed area for clearance.

S. No.	Name of the quarry Owners	Name of the Village & Survey Number	Extent in Hectare	Distance from this proposed quarry
a. Abandoned Quarries				
-Nil-				
b. Existing Quarries				
-Nil-				
c. Present Proposed Quarries				


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1.	Thiru. T.Sivakumar, S/o.Thanikodi, No.16/5, Sulthan Nagar Visalam 1st Street, Narimedu, Madurai north, Madurai district	Thimmarasanaickanur Bit-I village - 926/1, 926/2 and 945	4.76.0	-
d. Period expired quarries				
-Nil -				

The SEAC noted the following:

1. The Proponent, Thiru. T.Sivakumar has applied for Environment Clearance for the Rough Stone and Gravel quarry lease over an extent of 4.76.0Ha in S.F.No: 926/1, 926/2 and 945, Thimmarasanaickanur Bit-I Village, Andipatti Taluk, Theni District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The project proponent gave presentation about the proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following condition in addition to normal condition:

1. Ground water quality monitoring should be conducted every Six months and the report should be submitted to TNPCB.
2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
3. The operation of the quarry should no way impact the agriculture activity & water bodies near the project site.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.


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5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. 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 monitored by the District Authorities.
7. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
8. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
9. The mine closure plan submitted by the project proponent shall be strictly followed after the laps of the mine as reported.
10. The proponent shall furnish the CER proposal as per office memorandum of MoEF&CC dated 01.05.2018.
11. The proponent shall leave safety distance of 100mt from the reserve forests stated in the DFO letter No 4654/2019/F dated 10/09/2019


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Agenda no: 139 – 02- 16

(File No. 7212 /2019)

Proposed Rough stone quarry lease over an extent of 2.50.0Ha comprising S.F.Nos. 284(P-1) of Sigaralapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Thiru. R. Srimuthu– For Environmental Clearance.
(SIA/TN/MIN/45101/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru.R.Srimuthu, Krishnagiri, Precise Area Communication was issued by the District Collector, Krishnagiri vide Rc.No.212/2019 (G&M) Dated: 13.06.2019 for a period of 5 years. It is a fresh lease for Rough stone quarry over an Extent of 2.50.0Ha in S.F.Nos. 284(Part-1) at Sigaralapalli Village, Bargur Taluk, Krishnagiri District.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Deputy Director, Department of Geology and Mining, Krishnagiri District vide Rc.No. 212/2019 (G&M) Dated: 18.06.2019.

3. As per the Department of Geology and Mining, Krishnagiri District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 580797m³.

- a. For First year - 66360 m³ of Rough stone
- b. For Second year - 163345 m³ of Rough stone
- c. For Third year - 135429 m³ of Rough stone


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- d. For Fourth year - 116564 m³ of Rough stone
- e. For Fifth year - 99099 m³ of Rough stone
- 4. The quarry operation is proposed upto a depth of 43m (Top Soil 1m + Rough stone 42m) Surface Ground Level above 22 m and Surface Ground Level Below 21 m .
- 5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 7.0m and 5.0m vertical bench and width.
- 6. Rough stone are to be transported by Tippers of 1Nos. (10 M. T Capacity).
- 7. The project is locate at 12°30'02.16"N to 12°30'05.31"N latitude and 78°24'19.98"E to 78°24'27.41"E Longitude.
- 8. The total Manpower requirement is 18 Nos.
- 9. Total cost of the projects is Rs. 16.8 lakhs and EMP cost about Rs. 3.5 lakhs
- 10. The Water table is found to be at the depth of 65m in summer and 60m in rainy season.
- 11. Lease applied area is not covered under HACA region.
- 12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
- 13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
- 14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
- 15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
- 16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
- 17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Sigaralapalli Village, Bargur Taluk, Krishnagiri District dated 14/10/2019.


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18. Letter obtained from the Assistant Director, Department of Geology and Mining, Krishnagiri vide Letter RC. No. 212/2019 (G&M) dated 12.10.2019 informed that the details of the existing and abandoned quarries within 500m radius from the proposed Rough Stone quarry as follows.

1) Existing other quarries:

S. No.	Name of the lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Remarks
1.	Nil				

2) Proposed Area:

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent	Remarks
1.	Thiru.R.Srimuthu Proponent D.No.2/355, Chinthagampalli Village, Bargur Taluk, Krishnagiri.	Sigaralapalli Village, Bargur Taluk, Krishnagiri	284(Part-1)	2.50.0	---

3) Lease Expired:

S. No.	Name of the Lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period	Remarks
 NIL					

The Total extent of the Existing / Proposed quarries is 2.50.0Ha

The SEAC noted the following:

1. The Proponent, Thiru. R.Srimuthu has applied for Environment Clearance for the Rough Stone quarry lease over an extent of 2.50.0Ha in S.F.No: 284(P-1), Sigaralapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.


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The project proponent gave presentation about the proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC noted that there is an infrastructure/building located at 200m. Hence the SEAC directed the proponent to furnish the following details.

1. The proponent shall furnish the modeling studies for fugitive emissions and noise level studies during mining operation and transportation.
2. The proponent shall furnish the protective measures for fugitive emissions so as to mitigate the possible impact on the nearby infrastructure /building.

On receipt of the above details, SEAC will decide the further course of action on the proposal.



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Agenda no: 139 – 02- 18

(File No. 7201 /2019)

Proposed Earth Quarry lease over an extent of 2.00.0ha in S.F.No.2780/1 (P) at Thamaraikulam Bit-II Village, Periyakulam Taluk, Theni District, Tamil Nadu by M/s. T.T.K Construction– For Environmental Clearance.

(SIA/TN/MIN/43885/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:
 - a. The Quarry lease was applied in the name of M/s. T.T.K Construction, Precise Area Communication was issued by the District Collector, Theni vide Rc.No.167/Mines/2019 Dated: 24.09.2019 for a period of 5 years. It is a fresh lease for Earth Quarry for over an extent of 2.00.0ha in S.F.No. 2780/1 (P) at Thamaraikulam Bit-II Village, Periyakulam Taluk, Theni District, Tamil Nadu.
2. Mining Plan / Scheme of Mining approved details:
 - a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Assistant Geologist / Assistant Director (i/c), Department of Geology and Mining, Theni District vide Rc.No.167/Mines/2019 Dated: 01.10.2019.
3. As per the Department of Geology and Mining, Theni District. Mining Plan approval for only one Month, the production schedule for only one Month states that the total quantity of Earth Quarry should not exceed 10,000m³.
4. The quarry operation is proposed upto a depth of 0.5m Earth Quarry
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining like excavators (without drilling and blasting).


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6. Earthare to be transported by Tippers. (10/20 T Capacity).
7. The project is locate at 10°04'47.30"N to 10°04'58.19"Nlatitude and 77°30'48.16"E to 77°31'02.39"ELongitude.
8. The total Manpower requirement is 9 Nos.
9. Total cost of the projects is Rs. 3.50 lakhs and EMP cost about Rs. 1.10 lakhs
10. The Water table is found to be at the depth of 20m in summer and 15m in rainy season.
11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
15. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Thamaraikulam Bit-II Village, Periyakulam Taluk, Theni District dated 30/09/2019.
16. Letter obtained from the Assistant Geologist / Assistant Director (i/c), Department of Geology and Mining, Theni vide Letter RC. No. 167/Mines/2017, dated 01.10.2019 informed that the following quarries are situated within 500m radial distance from the proposed area for clearance.

S. No.	Name of the Quarry Owner /	Name of Village & S. F. No.	Extent in hectare	Distance from this proposed quarry
a) Abandoned Quarries				
-NIL-				
b) Existing Quarries				
-NIL-				
c) Present proposed Quarries				


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1.	M/s. T.T.K Construction, Managing Partner, Thiru.T.Thanikodi, No.5/1, Mayilagam, Thirumukkulam South Street, Madurai District – 625 002	Thamaraikulam Bit- II Village S. F. Nos. 2780/1 (P)	2.00.0 ha	--
d) Future Proposed Quarries				
-NIL-				

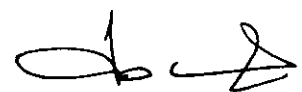
The SEAC noted the following:

1. The Proponent, M/s. T.T.K Construction has applied for Environment Clearance for the Earth quarry lease over an extent of 2.00.0Ha in S.F.No: 2780/1(P), Thamaraikulam Bit-II Village, Periyakulam Taluk, Theni 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. The Hon'ble Madurai Bench of Madras High Court order in WP(MD) No 20903 of 2016 dated 28/08/2019 has quoted "*W.P (MD) No 942 of 2018, as report was filed on 26/08/2019 by Deputy Director of Geology and Mining and it is relevant to extract hereunder paragraphs.....26. As per the stand taken by the Department, Savudu is a mixture of 40% Sand, 40% silt and 20% original Clay*"
4. As per the Hon'ble Madurai Bench of Madras High Court order in WP(MD) No 20903 of 2016 dated 28/08/2019 wherein ".....
 - (i) *The District Collector of all the Southern Districts Viz., 13 Districts (including Theni District) coming under the jurisdiction of this Court, are restrained from granting any fresh lease/license for quarrying Savudu sand in respect of patta lands: and (iii) They are also directed to take necessary steps to cancel the lease/license already granted to the pattadars in accordance with law at the earliest."*


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The project proponent gave presentation about the proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following condition in addition to normal condition:

1. Ground water quality monitoring should be conducted every Six months and the report should be submitted to TNPCB.
2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
3. The operation of the quarry should no way impact the agriculture activity & water bodies near the project site.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. 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 monitored by the District Authorities.
7. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
8. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.


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9. All the commitment made by the project proponent in the proposal shall be strictly followed.
10. The mine closure plan submitted by the project proponent shall be strictly followed after the laps of the mine as reported.
11. The proponent shall submit the proposal for the CER as per office memorandum of MoEF&CC dated 01.05.2018 before placing the subject to SEIAA.
12. Report on Mineral composition analysis ascertaining the minerals available in the project site by the competent authorities (PWD/Department of Geology and Mining / Department of Agriculture) before placing the subject to SEIAA.
13. Report on mineral composition in the proposed project site and its applicability to the Hon'ble Madurai Bench of Madras High Court order in WP(MD) No 20903 of 2016 dated 28/08/2019 from competent authorities before placing the subject to SEIAA.




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Agenda no: 139 – 02- 19
(File No. 7227 /2019)

Proposed Rough stone quarry over an extent of 3.00.0ha in S.F.No. 395/1 (North Part) of Mallapuram village Sankarapuram Taluk and Viluppuram District, Tamil Nadu by Tmt. V. Anbarasi– For Environmental *Clearance*.

(SIA/TN/MIN/45673/2019)

1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Tmt. V. Anbarasi, Viluppuram, Precise Area Communication was issued by the District Collector, Viluppuram vide Rc.No. B/G&M/1140/2017, dated 17.01.2018 for a period of 5 years. It is a fresh lease for Rough stone quarry over an extent of 3.00.0ha in S.F.No. 395/1 (North Part) of Mallapuram village Sankarapuram Taluk and Viluppuram District, Tamil Nadu.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Viluppuram District vide Rc.No.B/G&M/1140/2017, dated 28.03.2018.

3. As per the Department of Geology and Mining, Viluppuram District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 1,88,155m³.

- a. For First year - 35,580m³ of Rough stone
- b. For Second year - 43,950m³ of Rough stone
- c. For Third year - 38,495m³ of Rough stone
- d. For Fourth year - 38,120m³ of Rough stone
- e. For Fifth year - 32,010m³ of Rough stone

4. The quarry operation is proposed up to a depth of 40m(1m Topsoil + 39m Rough stone) from the elevated portion.


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5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench and width.
6. Topsoil (6,488m³) will be removed and preserved all along the boundary barriers to facilitate the afforestation.
7. Rough stone are to be transported by Tippers of 2 Nos. (10/20 T Capacity).
8. The project is located at 11°56'11.53"N to 11°56'17.64"N latitude and 78°51'51.64"E to 78°52'00.69"E Longitude.
9. The total Manpower requirement is 23Nos.
10. Total cost of the projects is Rs. 1.0761crores and EMP cost about Rs. 3.80lakhs
11. The Water table is found to be at the depth of 55m in summer season and 50m in rainy season.
12. Lease applied area is not covered under HACA region.
13. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
15. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
16. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
17. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
18. Letter obtained from the Assistant Director, Department of Geology and Mining, Viluppuramvide Letter RC. No. B/G&M/1140/2017, dated 19.09.2019 informed that the details of existing and abandoned quarries located within 500 mts. radius from the proposed Rough stone quarry.

I. Existing other quarries:

Sl. No.	Name of the lessee / permit holder	Name of the Mineral	Taluk & village	S.F. Nos.	Extent (in hecst)	Lease period	Remarks
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II. Proposed Area:

Sl. No.	Name of the lessee / permit holder	Name of the Mineral	Taluk& village	S.F. Nos.	Extent (in hec)	Remarks
1.	Tmt.V.Anbarasi , W/o. K.Velu, Main Road, Devapandalam Village, SankarapuramTaluk, Viluppuram District	Rough Stone	Sankarapuram, Mallapuram	395/1 (Northern part)	3.00.0	-

III. Lease Expired:

Sl. No.	Name of the lessee / permit holder	Name of the Mineral	Taluk& village	S.F. Nos.	Extent (in hec)	Lease period	Remarks
1.	D. Ramachandran, S/o. Duraisamy, Thimmanandal Village, Arur post, SankarapuramTaluk	Rough stone	Sankarapuram, Mallapuram	395/1 Part-II	3.00.0	31.08.2009 to 30.08.2019	-

The SEAC noted the following:

1. The Proponent, Tmt.V.Anbarasi has applied for Environment Clearance to SEIAA-TN on 21.08.2019 for the Rough stone quarry over an extent of 3.00.0ha in S.F.No. 395/1 (North Part) of Mallapuram village SankarapuramTaluk and Viluppuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The project proponent gave presentation about the proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following condition in addition to normal condition:

1. Ground water quality monitoring should be conducted every Six months and the report should be submitted to TNPCB.


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2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
3. The operation of the quarry should no way impact the agriculture activity & water bodies near the project site.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. 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 monitored by the District Authorities.
7. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
8. The entire mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
9. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
10. The mine closure plan submitted by the project proponent shall be strictly followed after the laps of the mine as reported.
11. The proponent shall furnish the CER proposal as per office memorandum of MoEF&CC dated01.05.2018.


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File No: 6831/2019

Proposed Production Capacity Expansion of Methyl Ethyl Ketone and Secondary Butyl Alcohol & Proposed production of Methyl Iso Butyl Carbinol, Phenyl Propyl Alcohol and Mixed Alcohols at Sathangadu Village, Chinnasekkadu Village, Manali, Chennai by M/s. Cetex Petrochemicals Limited – For Environment Clearance.

(SIA/TN/IND/36147/2007)

The proposal was placed in this 132nd SEAC Meeting held on 25.07.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

- i. The proposal is for environmental clearance to the project “Proposed Production Capacity Expansion of Methyl Ethyl Ketone and Secondary Butyl Alcohol & Proposed production of Methyl Iso Butyl Carbinol, Phenyl Propyl Alcohol and Mixed Alcohols at Sathangadu & Chinnasekkadu Village, Manali, Chennai, by M/s. Cetex Petrochemicals Limited”.
- ii. Due to the absence of SEAC – TN the file was submitted to MoEFCC and standard ToR has been issued by MoEFCC vide letter No.J-11011/1113/2007-IA-II(I) dated 08.10.2018.
- iii. M/s Cetex Petrochemicals Limited obtained EC to their existing project from MoEF&CC vide letter no. J-11011/1113/2007-IA-II(I) dated 16.09.2008.
- iv. Existing land area is 207320.45 m²; the proposed expansion will take place within the existing plant no additional land will be used for proposed expansion.
- v. Currently green belt in an area totalling 10117 Sq.m has been developed. During the proposed expansion additional 58315 Sq.m of green belt will be further added in order to strengthen the greenbelt inside the premises which is 33% of the total area.


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- vi. The estimated expansion cost is Rs. 42 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs.290 lakhs and the Recurring cost (operation and maintenance) will be about Rs 17.2 Lakhs per month.
- vii. Total Employment will be 70 persons as direct & 20 persons indirect after expansion. Industry proposes to allocate Rs. 42 Lakhs i.e. 1.0 % of project cost towards Corporate Environmental Responsibility.
- viii. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves and Wildlife Corridors etc. within 10 km distance from the project site.
- ix. River/ water body such as Puzhal Lake, korattur Lake, Cholavaram Lake and Retteri Lake are at a distance of 8.1 km, 8.3 km, 14.7 km and 5 km respectively in West, South West, North west and west directions.
- x. Ambient air quality monitoring was carried out at 8 locations during July to September 2018 and the baseline data indicates the ranges of concentrations are in the range of PM_{10} (42.2 - 79.6 $\mu g/m^3$), $PM_{2.5}$ (20.9 – 42.8 $\mu g/m^3$), SO_2 (5.63 – 13.6 $\mu g/m^3$) and NO_2 (10.6 –20.8 $\mu g/m^3$). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 86.46 $\mu g/m^3$, 13.6 $\mu g/m^3$ and 20.8 $\mu g/m^3$ with respect to PM_{10} , SO_x and NO_x . The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
- xi. Total water requirement is 1115kLD of which water requirement of 1018.6 kLD will be met from CMWSSB TTRO water and 96.4 kLD will be met through recycled/condensate within the plant.
- xii. Domestic sewage of 22 kLD will be treated in the Existing STP. Effluent of 108 kLD will be treated through Effluent Treatment Plant (UASB, Aeration, UF, RO module I, II &III and ME Stage I, II, III & IV). The plant will be based on Zero Liquid discharge system.

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- xiii. Storm water drains have been provided along the facility to ensure that this is totally separated from process effluent. We have 6 No's of rain harvesting pits and has proposed to construct additional 6 No's with proper storm water drain for expansion. The Roof top drains are linked with Rain water harvesting sump.
- xiv. Power requirement after expansion will be 1.65 MW including existing 0.95 MW and will be met from Co-Gen plant of 2 MW capacity + TANGEDCO. Existing unit has 1 DG set of 1500 KVA capacity (Stack Height – 30 m), additionally 1 DG set is proposed of 2000 KVA Capacity which are used as standby during power failure. Stack height of 30 m will be provided as per CPCB norms to the proposed DG set.
- xv. Existing unit has Wood fired boiler - 4T capacity, Bio Mass fuel Boiler – 8T capacity & Thermic heater 20,00,000 K.Cals and Bio Mass Boiler –22 T capacity & Thermic heater 20,00,000 K.Cals. Wet chamber, Dust collector and Electro static precipitators with adequate stack heights are provided for controlling the particulate emissions within the statutory limit.
- xvi. Details of Process emissions generation and its management:

S.No	Sources of Emission	APC Measures Provided	Stack Details	
			Dimension (Dia. in mm)	Height from GL (in Meter)
1	Multi fuel Boiler/Hot oil heaters	Running only as standby	750	30
2	Relief headers , Balance headers	Flare recovery system	600	36
3	Exhaust of 1500 KVA DG	Stack	200	30
4	Wood fired boiler- 4 T capacity	Wet chamber	750	30
5	Bio Mass fuel Boiler – 8T capacity and Thermic heater 20,00,000K.Cals.	Dust collector	1100	30


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6	Bio Mass Boiler – 22 T capacity and Thermic heater 20,00,000K.Cals.	Electro Static Precipitator	2500	35
7	Exhaust of 2000 KVA DG - proposed	Stack	200	30
II	Fugitive/Noise Emission	Type of emission	Control measures	
7	DG set 1500 KVA	Noise	In built acoustic barrier	-
8	DG set 2000 KVA-proposed	Noise	In built acoustic barrier	

The Air Pollution Control (APCS) System will be strengthened for the proposed activities like

- Adequate stack height will be provided for the proposed DG set as per CPCB
- Vent condensers are incorporated in outlet of overhead condenser to control plant process emissions.
- Adsorbent shall be provided along with breather valve in the storage tank in order to control VOC emission to atmosphere.
- Nitrogen blanketing shall be provided for proposed storage tanks in EOU.

xvii. Details of Solid waste/ Hazardous waste generation and its management.

Solid Waste Generation

S.No	Nature of Solid Waste	Quantity		Unit	Mode of Disposal
		Existing	Proposed		
1	STP sludge	4	4.2	Kg/day	Used as Manure
2	Bio degradable Waste (Food and Garbage)	40	42	Kg/day	Biogas Plant and fuel used for canteen

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3	Non-Bio degradable Waste (Stationary, Scrap and Packaging Waste)	30	32	Kg/day	Authorized Venders / scrap material collected and sold to authorized recyclers
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Hazardous Waste Generation

S. No	Name of the Process	Name of the process waste (Category No)	Annual Generation T/Y (Existing)	Annual Generation T/Y (Proposed)	Waste Disposal
1	Industrial operation using mineral / synthetic oil as lubricant in hydraulic system	5.1 Used/Spent Oil	1600L/ Year	2000L/ Year	Collection, Storage & disposal to TNPCCB/CPCB Authorized recyclers
2	Petro Chemical Process and Catalytic Operations	1.6 Spent Catalyst and molecular sieves	1T/ 5 year	2 T/ 5 year	Collection, Storage & disposal as landfill TSDF, Gummidipoondi
3	Purification and Treatment of exhaust air, water and waste water	35.3 Chemical sludge from waste water treatment plant	2 T/ Year	2.5 T/ Year	Collection, Storage & disposal as landfill TSDF, Gummidipoondi

xviii. Compliance report was submitted to RO (South Eastern Zone) and certified compliance was obtained from Regional office F.no. EP/12.1/727/TN/0159 dated 31.01.2018.

xix. No, litigation against the project

xx. The details of products and capacity for existing and proposed.

Proposed Production Capacity Expansion of MEK & SBA and Proposed production of MIBC, PPA & Mixed Alcohol


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S. No.	Details	Description	
		Existing	After Expansion
1.	Production Capacity MTA	24050	46050
2	Man power (admin, technical & contract workers)	80	90
3	Power Requirement (Co- Gene plant + TANGEDCO)	0.95 MW	1.65 MW
4	Water(CMWSSB) Supply/ Requirement	845 KLD [782 KLD fresh water from CMWSSB + 63 KLD recycled/condensate within the plant]	1115 KLD [1018.6 KLD TTRO water from CMWSSB + 96.4 KLD recycled/condensate within the plant]
5	Sewage treatment	20 kLD with 20 hours of operation at a flow rate of 1.0 cum/hr.	22 kLD with 22 hours of operation at a flow rate of 1.0 cum/hr.
	Effluent treatment Zero Liquid Discharge	70 kLD (UASB, Aeration, UF, RO module I & II and ME stage I & II)	108 kLD (UASB, Aeration, UF, RO module III & ME Stage III & IV)

Details of Raw materials

S.No	Raw Materials	Quantity (in tons)		Source	Mode of Transportation
		Existing	Proposed		
SBA & MEK					
1	C4 Mix (2-Butene)	26400	18000	CPCL, Manali	Pipe Line
2	98% Sulphuric Acid	22700	15500	Indian manufacturer/Trader	Road Tanker
3	Caustic Flakes	250	170	Indian manufacturer/Trader	Road Tanker

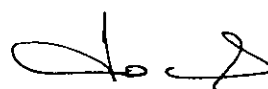

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4	Hydrochloric acid	90	60	Indian manufacturer/Trader	Road Tanker
MIBC					
1	Methyl Isobutyl Ketone (MIBK)	-	6000	Import	Ship / Road Tanker
2	Hydrogen	-	200	Indian manufacturer/Trader	Road Truck
PPA					
1	Cinnamaldehyde	-	1250	Import	Ship / Road Tanker
2	Hydrogen	-	50	Indian manufacturer/Trader	Road Truck
MIXED ALCOHOL					
1	Secondary Butanol (SBA)	-	600	Self	Self
2	Methyl Isobutyl Carbinol (MIBC)	-	400	Self	Self

Details of production.

S.No	Name of the product	Quantity (Existing)	Quantity (Proposed)	Capacity after expansion (TPA)
1	Methyl Ethyl Ketone	10000	5000	15000
2	Secondary Butyl Alcohol	12000	10000	22000
3	Methyl Iso Butyl Carbinol	-	5000	5000
4	Phenyl Propyl Alcohol	-	1000	1000
Fine Chemicals				
5	Mixed Alcohol	-	1000	1000
6	Cinnamic Alcohol	1080	-	1080
7	Anisyl Alcohol	276	-	276
8	Styrallyl Alcohol	228	-	228
9	Styrallyl Acetate	150	-	150
10	Oximone	20	-	20


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11	Phenyl Ethyl Alcohol	96	-	96
12	Tertiary Butyl Cyclohexyl Acetate	200	-	200
Total		24050	22000	46050

The SEAC noted the following:

1. The Proponent, M/s. Cetex Petrochemicals Limited has applied for Environment Clearance to SEIAA-TN on 21.05.2019 for the Production Capacity Expansion of MEK and SBA & Proposed production of MIBC, PPA & Mixed Alcohol at Sathangadu & Chinnasekkadu Village, Manali, Chennai, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 5(f) "synthetic organic chemicals Industry Projects" of the Schedule to the EIA Notification, 2006.
3. The proponent has furnished the Health, safety and Environment Audi Report prepared by M/s Department of Civil Engineering , IIT Madras , Chennai – 36 from the report it was concluded that " from the health dat, it is clear that most of the dieses are slightly more prominent in the North Chennai population compared to South Chennai. This may be due to different reasons like low nutrition level, pollution, living conditions, hygienic conditions and saitation. One cannot attribute this to air pollution and that too to a specific compound, such as MEK. Based on the study results, it is npt possible to attribute any health impact on pregnancy, particularly with respect to miscarriage and abortions recorded on the community surrounding the industry, M/s. Cetex Petrochemicals Limited."
4. MoEF&CC has accorded Terms of Reference (ToR) vide No.J-11011/1113/2007-IA-II(I) dated 08.10.2018 with public consultation.

The SEAC noted that M/s. Cetex Petrochemicals Limited located at Sathangadu & Chinnasekkadu Village, Manali, Chennai, Tamil Nadu. Further, the Hon'ble National Green Tribunal, Principal Bench, New Delhi in its order dated 10.07.2019 in Original Application No. 1038/2018 that pronounced that.


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“Accordingly, We direct the CPCB in coordination with all State PCBs/PCCs to take steps in exercise of statutory powers under the Air (prevention and Control of Pollution) Act, 1981, Water (Prevention and Control of pollution) Act, 1974, Environment (Protection) Act, 1986 or any other law to prohibit operation of polluting activities in the said CPAs and SPAs within three months and furnished a compliance report to this Tribunal. The Central Pollution Control Board, in coordination with the State boards/PCBs may make assessment of compensation to be recovered from the said polluting units for the period of last 5 years, taking into accounts the cost of restoration and cost of damage to the public health and environment and the deterrence element. The scale of deterrence may be related to the period and the frequency of defaults. Such other factors as may be found relevant may also be taken into account. No further industrial activities or expansion be allowed with regards to ‘red’ and ‘Orange’ category units till carrying capacity of area is assessed and new units or expansion is found viable having regard to the carrying capacity of the area and environmental norms.”

Accordingly, the Manali (Tamil Nadu) has CEPI score of 84.15 (CPAs).

The SEAC decided not to take further course of action until further orders from the Hon'ble National Green Tribunal/ MoEF&CC.

Further, O.M No. F.No. 22-23/2018 –IA.II (Pt) MoEF&CC Dt. 31.10.2019 has stated the following “ The Hon'ble NGT in O.A.No .1038/ 2018 had passed orders regarding formulation of a mechanism for environmental management of critically and severely polluted areas and consideration of activities/projects in such areas.

The following mechanism has been finalized by the Ministry and necessary action may be taken as given below:

- a) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal is yet to be referred to the EACs/SEACs,


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the mechanism may be provided to the EACs/SEACs which after due diligence may prescribe additional conditions as incorporated in the mechanism for environmental protection.

- b) In cases pertaining to Critically and Severely Polluted Areas, where the environmental clearance proposal has already been recommended by the EACs/SEACs, and the proposal was kept on hold, the mechanism may now be considered by the concerned sectors of the Ministry/SEIAAs and after due diligence the concerned sectors of the Ministry/SEIAAs may prescribe additional conditions as incorporated in the mechanism for environmental protection while issuing ECs.

and enclosed the following mechanism for environmental management of Critically and Severely Polluted Areas and consideration of activities/projects in such areas in compliance of directions issued by Hon'ble National Green Tribunal on 19.08.2019 (published on 23.08.2019) in O. A. No. 1038 2018.

- B. Consideration of proposals for grant of Environmental clearance for new and expansion activities listed in 'Red' and 'Orange' Categories located in Critically Polluted Areas and Severely Polluted areas:

- ii. Proposals located in CPAs and SPAS may be examined by the sectoral Expert Appraisal Committee (EAC) during scoping/ appraisal based on the CEP' scores of Air/Water/ Land Environment as published by CPCB from time to time. In such proposals, appropriate mitigation measures for the environment possessing higher CEPI score may be made by EAC in the form of recommendations/ decision. These recommendations may be explicitly mentioned in the Terms of Reference/Environmental


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Clearance letter and to be ensured by the member secretary concerned.

Based on above decision the subject was placed in this 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation on the environmental impact assessment.

The SEAC noted that

"As per O.M No. F.No. 22-23/2018 -IA.II (Pt) MoEF&CC Dt. 31.10.2019. "B. Consideration of proposals for grant of Environmental clearance for new and expansion activities listed in 'Red' and 'Orange' Categories located in Critically Polluted Areas and Severely Polluted areas: i. Any project or activity specified in Category B1 will be appraised at the Central Level, if located in whole or in part within 5 km from the boundary of Critically Polluted Areas or Severely Polluted Areas. However, Category B2 projects shall be considered at state level stipulating Environmental Clearance conditions as applicable for the Category 'B1' project/activities".

Hence the SEAC decided to defer the proposal since the project is in B1 category and also located in Manali Area (Notified as CEPI – Critically polluted area as per Hon'ble NGT (PB) order Dt 10.7.2019 for O.A No 1038/2018). Further the ^{SEAC} Authority decided to address the MoEF & CC for further process of the proposal.



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Agenda no: 139 – 02- 20

(File No. 6887 /2019)

Proposed Gravel quarry lease over an extent of 4.80.0Ha comprising S.F.Nos 930/2B (P) of South Avinashipalayam village, Tiruppur South Taluk and Tiruppur District the state of Tamil Nadu by Tvl. SenthilMurugan Constructions & Trading Private Limited, Tiruppur – for Terms of Reference.

(SIA/TN/MIN/38525/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project as presented by the proponent are as follows:

1. Government order/ Lease details:
 - a. The Quarry lease was applied in the name of Tvl. Senthil Murugan Construction & Trading Private Limited, Tiruppur. Precise Area Communication letter was issued by the District Collector, Tiruppur District vide Rc. No. 1266/Mines/2017, dated 25.05.2018 for a period of Three Years. It is a Fresh lease for Gravel quarry lease over an extent of 4.80.0Ha comprising S.F.Nos 930/2B(P) of South Avinashipalayam village, Tiruppur South Taluk and Tiruppur District.
2. Mining Plan/Scheme of Mining approval details:
 - a. Mining plan was prepared for the period of Three years. The Mining Plan was approved by the Deputy Director, Department of Geology and Mining, Tiruppur District vide Roc. No. 1266/Mines/2017, dated 06.06.2018.



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3. As per the Department of Geology and Mining, Tiruppur District. Mining Plan approval for the three years, the production schedule for Three years states that the total quantity of Gravel should not exceed 3,17,705m³.
 - a. For First year - 1,00,930m³ of Gravel
 - b. For Second year - 1,00,630m³ of Gravel
 - c. For Third year - 1,16,145m³ of Gravel
4. The quarry operation is proposed upto a depth of 10m(5m above ground level and 5m below the ground level).
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining like excavators (without drilling and blasting).
6. Gravel are to be transported by Tippers. (10/20T capacity).
7. The project is located at 10°57'39.72"N to 10°57'50.33"N latitude and 77°27'59.77"E to 77°28'09.16"E Longitude.
8. The total Manpower requirement is 13 Nos.
9. Total cost of the projects is Rs. 1.2788Crore and EMP cost ^{is} about Rs. 1.50lakh.
10. The water table is found to be at the depth of 35m below ground level.
11. Applied lease area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) is located within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary is located within the radius of 10km from the lease area.
14. No National Park & Wild Life Sanctuary is located within the radius of 10km from the lease area.
15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 is located within the radius of 10km.


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16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area is located within the radius of 10km.

17. No habitation is located within the radius of the 300m from the lease area as stated in the letter obtained from VAO, South Avinashipalayam Village, Tiruppur Taluk, Taluk District dated 08.06.2018.

18. Letter obtained from the Assistant Director, Department of Geology and Mining, Tiruppur vide Letter R.C. No. 1266/Mines/2017, dated 05.11.2019 informed that, the following quarries are situated within a radial distance of 500 meters from the applied fields.

a. Existing Quarries

S. No.	Name of the Owner	Village and S. F. No.	Extent in Hect.	Distance from this propose quarry
---Nil---				

b. Abandoned Quarries

S. No.	Name of the Owner	Village and S. F. No.	Extent in Hect.	Distance from this propose quarry
---Nil---				

c. Present Proposed Quarries

S. No.	Name of the Owner	Village and S. F. No.	Extent in Hect.	Distance from this propose quarry
1.	Tvl. Senthil Murugan Constructors and Trading Private Limited	South Avinashipalayam (V), 930/2B (Part)	4.80.0	--

d. Expired Quarries

S.	Name of the Owner	Village and S. F. No.	Extent in Hect.	Distance from this propose quarry
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No.				
1.	R. Krishnamoorthi	South Avinashpalayam (V), 932/2A	11.00.0	--

The SEAC noted the following:

1. The Proponent, Tvl. Senthil Murugan Constructors and Trading Private Limited has applied for Terms of Reference for the Gravel quarry lease over an extent of 11.00.0Ha in S.F.No: 930/2B(P), South Avinashpalayam village, Tiruppur South Taluk and Tiruppur District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the detailed presentation, the SEAC decided to defer the proposal for want of following additional particulars.

1. As per the MoEF&CC O.M dated 24.06.2013, the depth of the mining for gravel shall be restricted upto 2m below the ground level. However it is noted that the mining plan submitted by the proponent reveals that the proposed mining depth is to be 10mts (5m above GL+ 5m below GL). Hence the proponent shall revise the mining plan as per above said the MoEF&CC OM.
2. The proponent shall furnished letter as obtained from Deputy Director, Department of Geology and Mining, Tiruppur District vide Roc. No. 1266/Mines/2017, dated 06.06.2018 stating that there is no abandoned quarry located within a radial distance of 500 meters from the project area. However in the same letter, it is shown that there is a expired quarry. Hence the project proponent shall obtain clarification from the Department of Geology and Mining, Tiruppur District stating when the expired quarry stopped operation. On receipt of the above details, SEAC will decide the further course of action on the proposal.


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Agenda no: 139 – 02- 21

(File No. 7229 /2019)

Proposed Gravel quarry lease over an extent of 4.66.0ha in S.F.No.100 (Part) of Poovali Village, Kalaiyarkovil Taluk and Sivagangai District the state of Tamil Nadu by Thiru.M.Muthukrishnan – for Environment Clearance.

(SIA/TN/MIN/41661/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government order/ Lease details:

- a. The Quarry lease was applied in the name of Thiru.M. Muthukrishnan, Precise Area Communication letter was issued by the District Collector, Sivagangai District vide Rc. No. M2/749/2017, dated 30.10.2018 for a period of one year. It is a Fresh lease for Gravel quarry over an extent of 4.66.0ha in S.F.No.100 (Part) of Poovali Village, Kalaiyarkovil Taluk and Sivagangai District.

2. Mining Plan/Scheme of Mining approval details:

- a. Mining plan was prepared for the period of one year. The Mining Plan was ~~got~~ ^{ed by} approval from the Assistant Director, Department of Geology and Mining, Sivagangai District vide Roc. No. M2/749/2018, dated 23.01.2019.

3. As per the Department of Geology and Mining, Sivagangai District. Mining Plan approval for the one year, the production schedule for one year states that the total quantity of Gravel should not exceed 74,844m³.

- a. For First year - 74,844m³ of Gravel

4. The quarry operation is proposed upto a depth of 2m below the ground level.


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5. The Quarry operation is proposed to carry out with open cast semi mechanized mining like excavators (without drilling and blasting).
6. Gravel are to be transported by Tippers of 5 Nos. (10T capacity).
7. The project is located at 09°48'47.45"N to 09°48'56.12"N latitude and 78°31'01.49"E to 78°31'12.89"E Longitude.
8. The total Manpower requirement is 34 Nos.
9. Total cost of the projects is Rs. 41.04 lakhs and EMP cost ^{is} about Rs. 1.34 lakh.
10. The water table is found to be at the depth of 22m in summer season and 20m in rainy season, from the ground level
11. Applied lease area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) is located within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary is located within the radius of 10km from the lease area.
14. No National Park & Wild Life Sanctuary is located within the radius of 10km from the lease area.
15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 is located within the radius of 10km.
16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area is located within the radius of 10km.
17. No habitation is located within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Nadamangalam Group, Kalayarkovil Taluk, Sivagangai District dated 23.08.2019.
18. Letter obtained from the Assistant Director, Department of Geology and Mining, Sivagangai vide Letter Roc.No. M2/749/2017, dated


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29.07.2019 informed that, the following quarries are located within 500m radius from the proposed area for clearance.

Particulars of Proposed gravel quarry site			
Name of the proponent	Village and Taluk	S.F. Nos.	Extent
M. Muthukrishnan	Poovali, Kalayarkovil Taluk	S.F. Nos. 100 (P)	4.66.0

The details of others leases located within a radial distance of 500 meters from the proposed gravel quarry of Thiru. M. Muthukrishnan, S/o. Mathavan, 7C, Bose Road, Sivagangai District are given in the table below.

Abandoned Quarry				Existing Quarry			
Name of the Lessee	Village and Taluk	S.F. Nos.	Extent	Name of the lessee	Village and Taluk	S.F.Nos.	Extent
-Nil-				-Nil-			

The SEAC noted the following:

1. The Proponent, Thiru.M.Muthukrishnan has applied for Environment Clearance for the Gravel quarry lease over an extent of 4.66.0Ha in S.F.No: 100(Part), Poovali Village, Kalaiyarkovil Taluk and Sivagangai District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the Initial discussion with the proponent and the scrutiny of documents furnished, it was noticed that the lease deed is not registered yet. Hence the SEAC decided to direct the proponent to submit the registered lease deed, before making the presentation. On receipt of the above details, SEAC will decide the further course of action on the proposal.


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Agenda no: 139 – 02- 22

(File No. 7177 /2019)

Proposed Black Granite quarry lease overan extent of 3.24.5Ha in S.F.Nos. 1015/1A, 1015/1B, 1015/1C, 1015/2A, 1015/2B,1015/2C, 1015/3A & 1015/3B of Burgur Village, Anthiyur (Formerly Bhavani)Taluk, Erode District the state of Tamil Nadu by Tvl. GTP Granites Limited– for Terms of Reference.

(SIA/TN/MIN/43845/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project are as follows:

1. Government order/ Lease details:

The Proponent Tvl. GTP Granites has been granted quarry lease for quarrying of Black Granite quarry lease over an extent of 3.24.5Ha in S.F.Nos. 1015/1A, 1015/1B, 1015/1C, 1015/2A, 1015/2B, 1015/2C, 1015/3A & 1015/3B of Burgur Village, Anthiyur (Formerly Bhavani) Taluk, Erode District, Tamil Nadu vide G.O. (3D). No. 2, Industries (MME.2) Department dated 06.02.2014 for a period of Twenty years. The Lease deed was executed on 17.02.2014, the quarry operation was commenced after the execution of lease deed and the lease will get expired on 16.02.2034.

2. Mining Plan/Scheme of Mining approval details:

a. The Mining plan (2014-15 to 2018-19) was approved by the Commission of Geology and Mining, Guindy, Chennai vide letter No. 9984/MM5/2012, dated 09.12.2013.

b. The First Scheme of quarrying was prepared and submitted for the period of 2019-20 to 2023-24 and approved by the Director,


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Department of Geology and Mining, Guindy, Chennai vide Rc. No. 9045/MM4/2018, dated 30.07.2019.

The quarrying operation and quantity of material mined are as follows.

Year	Proposed		Achieved
	ROM (m ³)	Production @ 15% (m ³)	Production achieved (m ³)
2014-15	3760	564	292.134
2015-16	3470	521	510.119
2016-17	3325	498.75	240.766
2017-18	4400	660	355.270
2018-19	3480	522	66.354

3. As per the Scheme of quarrying for the years 2019-20 to 2023-24, production schedule for year's states that the total volume of recoverable as 15% of Black Coloured Granite should not exceed 3,986m³.
For 2019-20 - 812 m³
For 2020-21 - 780 m³
For 2021-22 - 810 m³
For 2022-23 - 870 m³
For 2023-24 - 714 m³
4. Environmental Clearance obtained from the State Level impact Assessment Authority, Tamil Nadu vide Letter No.SEIAA-TN/F.No. 2120/EC/1(a)/988/2013, dated 13.01.2014.
5. The waste that will be resulting in the quarrying operation for the 5 years 2019-20 to 2023-24 will be 34,285m³ (Granite Waste + Side burden) proposed to dump on western side and Topsoil – 182m³ will be preserved all along the boundary barriers for afforestation.


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6. The quarry operation is proposed upto a depth of 24m for the present scheme period (2019-20 to 2023-24).
7. quarrying Operation will be done by Opencast Semi Mechanised method with Diamond Wire Saw cutting.
8. Granite is to be transported by tippers of 2 Nos. (20 T capacity).
9. The water table is found to be at the depth of 50m in summer season and 45m in rainy season.
10. Applied lease area is not covered under HACA region.
11. No Coastal Regulation Zone (CRZ) is located within the radius of 10km from the lease area.
12. No Interstate boundary & Western Ghats Boundary is located within the radius of 10km from the lease area.
13. No National Park & Wild Life Sanctuary is located within the radius of 10km from the lease area.
14. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 is located within the radius of 10km from the lease area.
15. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area is located within the radius of 10km.
16. No habitation is located within the radius of the 500m from the lease area as stated in the letter obtained from VAO, Burgur Village, Anthiyur Taluk, Erode District dated 19.08.2019.
17. Letter obtained from the Deputy Director, Department of Geology and Mining, Erode vide Letter RC. No. 663/2019/Mines dated 05.09.2019, informed that the following particulars with regard to the nearby existing, proposed and abandoned and other quarries situated within a radius distance of 500 mts from the subject area are furnished as below.


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1. Existing other quarries:

S. No.	Name of the applicant	S.F.Nos.	Extent (Hect)	Lease period	Remarks
1.	Min.Rocks International Pvt. Ltd.,	915/1, 2,3, 1021/1B and 1022/2	1.12.5	G.O.(3D). No. 22, Industries (MME2) dt 07.08.2014 4.09.2014 to 3.09.2034 20 years	-

2. Proposed area:

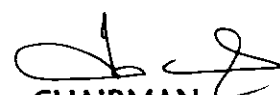

S. No.	Name of the applicant	S.F.Nos.	Extent (Hect)	Lease period	Remarks
1.	Thiru. O. Ulaganathan	1023/3	1.86.0	20 years	-

3. Lease period Expired and abandoned area:

S. No.	Name of the applicant	S.F.Nos.	Extent (Hect)	Lease period	Remarks
1.	Tvl. Tamil Nadu Minerals Ltd.,	911, 916, 1023/1 and 1032/1	3.08.5	G.O. (3D). No. 803 dt.27.11.87 29.02.1988 to 28.02.2008 (20 years)	Lease period expired
2.	Tvl. S.S. Enterprises	1075, 1076/1A, 1077/3A	5.07.35	G.O.(3D), No. 369, industries MMB.2 dated 4.5.1998 15.06.1998 to 14.06.2008 (10 years)	Lease period expired

The SEAC noted the following:

1. The Proponent, Tvl. GTP Granites Limited has applied for Terms of Reference to SEIAA-TN on 21.08.2019 for the Black Granite quarry lease over an extent of 3.24.5Ha in S.F.Nos. 1015/1A, 1015/1B, 1015/1C, 1015/2A, 1015/2B, 1015/2C,


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1015/3A & 1015/3B of Burgur Village, Anthiyur (Formerly Bhavani) Taluk,
Erode District, Tamil Nadu

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

Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of Terms of Reference (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:

1. The study shall be conducted on the combined impact of the quarries in the cluster
2. A detailed study of the lithology of the mining lease area shall be furnished.
3. Details of village map, "A" register and FMB sketch shall be furnished.
4. The proposal for green belt activities shall be furnished.
5. The Socio economic studies should be carried out within 10km buffer zone from the mines.
6. Detailed study report combined impact of the crushers, impact of the water body, open well detail within 1 km radius impact on this the project proponent shall furnish in the EIA report.
7. Detailed mining closure plan for the proposed project approved by the Geology of Mining department shall be submitted along with EIA report.
8. The spot levels and contour levels of the proposed quarry site shall be studied and the same shall be furnished to along with EIA.
9. A detailed report on the safety and health aspects of the workers and for the surrounding habitants during operation of mining for drilling and blasting shall be submitted.
10. The proponent may conduct a detailed hydrogeological study to assess the impacts of mining activity on both surface and ground water availability, water levels and their quality and furnish the report along with EIA report.


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11. The proposal for CER shall be furnished with time frame as per Office Memorandum of MoEF & CC dated 01.05.2018.
12. Obtain a letter /certificate from the Assistant Director of Geology and Mining standing that there is no other Minerals/resources like sand in the quarrying area within the approved depth of mining and below depth of mining and the same shall be furnished in the EIA report.
13. Ground water quality monitoring should be conducted as per norms and the report shall furnish in the EIA report.
14. EIA report should strictly follow the Environmental Impact Assessment Guidance Manual for Mining of Minerals published February 2010.
15. Detail plan on rehabilitation and reclamation carried out for the stabilization and restoration of the mined areas.
16. The EIA study report shall include the surrounding mining activity, if any.
17. Modelling study for Air, Water and noise shall be carried out and incremental increase in the above study shall be substantiated with mitigation measures.
18. A study on the geological resources available shall be carried out and reported.
19. A specific study on agriculture & livelihood shall be carried out and reported.
20. Impact on ponds, rivers and other water bodies to be elaborated.
21. Impact of soil erosion, soil physical chemical and biological property changes may be assumed.
22. The recommendation for the issue of Terms of Reference is subject to the final outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No. 186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).


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Agenda no: 139 – 02- 23

(File No. 7265 /2019)

Proposed Rough stone quarry lease over an extent of 2.69.5Ha in S.F.No: 656/2A2, Killiyoor Village, Vilavancode Taluk, Kanniyakumari District, Tamil Nadu by Thiru. V. Christhudhas, Kanniyakumari– For Environmental Clearance.

(SIA/TN/MIN/125499/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru. V. Christhudhas, Kanniyakumari, Precise Area Communication was issued by the District Collector, Kanniyakumari vide Rc.No. 707/G&M/2015 dated 23.07.2017. It is a Rough stone quarry lease over an extent of 2.69.5Ha in S.F.No: 656/2A2, Killiyoor Village, Vilavancode Taluk, Kanniyakumari District, Tamil Nadu.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of Three year four months. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Kanniyakumari District vide Rc.No.707/G&M/2015, dated 22.09.2017.

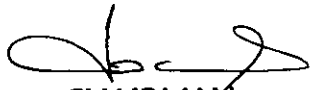
3. As per the Department of Geology and Mining, Kanniyakumari District. Mining Plan approval for the Three Years Four Months, the production schedule for Three Years Four Months states that the total quantity of Rough stone should not exceed 1,36,970m³.

- a. For First year - 9,465m³ of Rough stone
- b. For Second year - 36,738m³ of Rough stone
- c. For Third year - 47,314m³ of Rough stone


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d. For Fourth year - 43,453m³ of Rough stone

4. The quarry operation is proposed up to a depth of 21m from the elevated portion.
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench and width.
6. Rough stone are to be transported by Tippers of 1 No. (10/20 T Capacity).
7. The project is located at 08°14'35.54"N to 08°14'45.89"N latitude and 77°12'29.92"E to 77°12'36.60"E Longitude.
8. The total Manpower requirement is 11 Nos.
9. Total cost of the projects is Rs. 67.39 lakhs and EMP cost about Rs. 6.26 lakhs
10. The Water table is found to be at the depth of 60m in summer season and 57m in rainy season.
11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
14. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Killiyoor Village, Vilavancode Taluk and Kanniyakumari District dated 25.07.2017.
18. Letter obtained from the Assistant Director (i/c), Department of Geology and Mining, Kanniyakumari vide Letter RC. No. 707/G&M/2015, dated 08.11.2019 informed that the details of existing and abandoned quarries located within 500mts. radius from the proposed Rough stone quarry.


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Adjacent quarry details (Around 500 meter radius)

1. Details of the Existing quarries

S. No.	Name of the Owner	Village & Taluk	S.F.Nos	Extent (in Hect)	Existing Proposed quarry	Remarks
1.	Tvl. Standard Match Exports Pvt. Ltd., No.5/2-15C, Sattur Road, Sivakasi - 626 123.	Killioor / Vilavancode (Bifurcated into Killioor Taluk)	610/5A (P), 612/12B (P), 612/13, 618/10A1 (P), 618/2A, 618/10A2A1 (P), 618/10B (P), 618/3 (P) & 621/2B	1.10.9	Non Operation	The lease was granted as per G.O.(3D) No.61 Industries (MMB2) Department Dated: 23.10.2006 for a period of 20 years from 24.1.2006 to 23.11.2026.

2. Details of the Abandoned Quarry

S. No.	Name and Address of the applicant	Village and Taluk	S.F.Nos	Extent (in Hect)	Existing Proposed quarry	Remarks
Nil						

3. Details of the Proposed Quarries

S. No.	Name of the Owner	Village & Taluk	S.F. Nos.	Extent (in Hects)	Existing Proposed quarry	Remarks
1.	V.Christhudhas , S/o. Varuvel, Tharavilai, Thickenamcode Post, Kanniyakumari District	Killioor Village, Vilavancode Taluk	656/2 A2	2.69.5	Non Operation	The lease was granted as per District Collector Proceeding Rc.No.707/G &M/ 2015 for a period of 5 years from 17.12.2015 to 126.12.2020.


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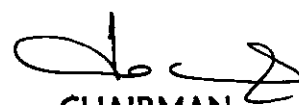
The Total extent of the Existing / Proposed quarries are about (1 + 3) 3.80.4ha

The SEAC noted the following:

1. The Proponent, Thiru. V. Christudhas has applied for Environment Clearance to SEIAA-TN on 21.08.2019 for the Rough stone quarry lease over an extent of 2.69.5Ha in S.F.No: 656/2A2, Killiyoor Village, Vilavancode Taluk, Kanniyakumari District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The project proponent gave presentation about the proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following condition in addition to normal condition:

1. Ground water quality monitoring should be conducted every Six months and the report should be submitted to TNPCB.
2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
3. The operation of the quarry should no way impact the agriculture activity & water bodies near the project site.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.


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6. 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 monitored by the District Authorities.
7. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
8. The entire mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
9. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
10. The mine closure plan submitted by the project proponent shall be strictly followed after the laps of the mine as reported.
11. The proponent shall furnish the CER proposal as per office memorandum of MoEF&CC dated 01.05.2018.



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Agenda no: 139 – 02- 24

(File No. 6768 /2019)

Proposed Gravel quarry lease over an extent of 9.71.0Ha in S.F.No: 169/2C4, Goonipalayam Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu by Thiru. J. Baskar – For Terms of Reference.

(SIA/TN/MIN/34197/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:
 - a. The quarry lease was applied in the name of Thiru. J. Baskar, Chennai, Precise Area Communication was issued by the District Collector, Tiruvallur letter vide, Rc. No. 251/2016/Mines2, Dated: 23.03.2018 for a period of One year. It is a fresh lease for Gravel quarry over an Extent of 9.71.0 Ha in S.F. Nos. 169/2C4 at Goonipalyam Village, Uthukottai Taluk, Tiruvallur District.
2. Mining Plan / Scheme of Mining approved details:
 - a. The Mining plan was prepared for the period of 1 year. The Mining Plan was ~~got~~ ^{ed} approved by the Assistant Director, Department of Geology and Mining, Tiruvallur vide Rc. No. 251/2016/G&M-2, dated 20.06.2018
3. As per the Department of Geology and Mining, Tiruvallur District. Mining Plan approval for the 1 year, the production schedule for 1 year states that the total quantity of Gravel should not exceed 60,000 m³ of Gravel.
4. The quarry operation is proposed up to a depth of 1m below ground level.
5. The quarry operation is proposed to carry out with open cast semi mechanized mining.
6. Gravel is to be transported by Hired Tippers. (10/20 Ts Capacity).


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7. The project is located at 13°17'14"N to 13°17'31"N latitude and 79°51'51"E to 79°52'04"E Longitude.
8. The total Manpower requirement is 07 Nos.
9. Total cost of the projects is Rs. 36.87 lakhs and EMP cost about Rs. 1.55 lakhs.
10. The water table is found to be at the depth of 36m below ground level.
11. Applied lease area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) is located within the radius of 10km from the lease area.
13. There is TamilNadu – Andhra Pradesh Interstate boundary located at \approx 2.82km (N) from the project site.
14. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 is located within the radius of 10km from the lease area.
15. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area is located within the radius of 10km.
16. No habitation is located within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Goonipalyam Village, Uthukottai Taluk, Tiruvallur District.

1) Existing other quarries:

S. No.	Name of the lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period	Remarks
Nil						

2) Proposed Area:

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent	Remarks
1	Thiru. J. Baskar	Goonipalayam Village Uthukottai Taluk	169/2C4	9.71.0	---


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3) Lease Expired:

S. No.	Name of the Lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period
Nil					

The Total extent of the area is 9.71.0 Ha.

The SEAC noted the following:

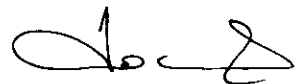
1. The Proponent, Thiru. J. Baskar has applied for Terms of Reference to SEIAA- for the Gravel quarry lease over an extent of 9.71.0Ha in S.F.No: 169/2C4, Goonipalayam Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(b) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of Terms of Reference (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:

1. The study shall be conducted on the combined impact of the quarries in the cluster
2. A detailed study of the lithology of the mining lease area shall be furnished.
3. Details of village map, "A" register and FMB sketch shall be furnished.
4. The proposal for green belt activities shall be furnished.
5. The Socio economic studies should be carried out within 10km buffer zone from the mines.
6. Detailed study report combined impact of the crushers, their impacts on the water bodies, and open wells within 1 km radius impact on this the project proponent shall furnish in the EIA report.
7. Detailed mining closure plan for the proposed project approved by the Geology /Mining department shall be submitted along with EIA report.


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8. The spot level and contour levels of the proposed quarry site shall be measured and the same shall be furnished along with EIA.
9. A detailed report on the safety and health aspects of the workers and for the surrounding habitants during operation of mining for drilling and blasting shall be submitted.
10. The proponent may conduct a detailed Hydro-geological study and to study the impacts of mines both on surface water and groundwater availability, water levels and their water quality and furnish report along with EIA report.
11. The proposal for CER shall be furnished with time frame as per Office Memorandum of MoEF & CC dated 01.05.2018.
12. Obtain a letter /certificate from the Assistant Director of Geology and Mining standing that there is no other Minerals/resources like sand in the quarrying area within the approved depth of mining and below depth of mining and the same shall be furnished in the EIA report.
13. Ground water quality monitoring should be conducted for one month and the report shall furnish in the EIA report.
14. EIA report should strictly follow the Environmental Impact Assessment Guidance Manual for Mining of Minerals published February 2010.
15. Detail plan on rehabilitation and reclamation carried out for the stabilization and restoration of the mined areas.
16. Modeling study for Air, Water and noise shall be carried out and incremental increase in the above study shall be substantiated with mitigation measures.
17. A study on the geological resources available shall be carried out and reported.
18. A specific study on agriculture & livelihood shall be carried out and reported.
19. Impact on ponds, rivers and other water bodies to be elaborated.
20. Impact of soil erosion, soil physical chemical and biological property changes may be assumed.



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21. The recommendation for the issue of Terms of Reference is subject to the final outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No. 186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).

Agenda no: 139 – 02- 25

(File No. 7102 /2019)

Proposed Rough Stone & Gravel quarry lease over an Extent of 1.64.0Ha in S.F.No.163/1 at South Sankarankoil Village, Sankarankoil Taluk, Tirunelveli District, Tamil Nadu by Thiru.T. Lakshmi – For Environment Clearance.

(SIA/TN/MIN/42105/2019)

The proposal was placed in the 139th SEAC Meeting held on 23.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The quarry lease was applied in the name of Tmt.T.Lakshmi, Tirunelveli, Precise Area Communication was issued by the District Collector, Tirunelveli vide Rc.No.M1/10042/2015, dated 21.06.2018 for a period of 5 years. It is a fresh lease for Rough Stone, Jelly and Gravel quarry over an Extent of 1.64.0Ha in S.F.No.163/1 at South Sankarankoil Village, Sankarankoil Taluk, Tirunelveli District.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was ~~got~~ ^{ed} ~~approval~~ ^{by} ~~from~~ the Deputy Director, Department of Geology and Mining, Tirunelveli District vide Rc.No.M1/10042/2015 Dated: 30.06.2018.


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3. As per the Department of Geology and Mining, Tirunelveli District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of 1,16,650m³ of Rough Stone 9,632m³ of Gravel formation.

YEAR	ROUGHSTONE (m ³)	GRAVEL (m ³)
I	23310	4773
II	23520	4859
III	23360	
IV	23370	
V	23090	
TOTAL	1,16,650	9,632

4. The quarry operation is proposed depth of 26m (from + 168m RL to 142m RL).
5. The quarry operation is proposed to carry out with open cast semi mechanized mining with bench height of 5.0m & 5m width is considered.
6. Rough stone and Gravel are to be transported by Tippers of 3 Nos. (5/10Ts capacity).
7. The project is located at 09°06'38"N to 09°06'41"N latitude and 77°30'49"E to 77°30'59"E Longitude.
8. The total Manpower requirement is 18 Nos. (Permanent: 11, Temporary: 7)
9. Total cost of the projects is Rs.55,01,000/- (Including Operational + Fixed Asset + EMP cost). EMP cost is about Rs.4,45,000/- lakhs.
10. The ground water table is at a depth of 48m to 45m. Hence.
11. The project site attracts HACA. Necessary clearance is obtained from Member Secretary, HACA/Director of Town and Country Planning, Chennai vide letter no - 1491/2018/HACA dated 12.04.2018.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.

Western Ghats ESA boundary as per MoEF & CC draft notification dated 3rd October 2018 is located 17.3Km from the lease area on the Northwestern side.


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14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.

Wild Life Sanctuary:

Nellai Wild Life Sanctuary is 16.5Km (NW) side.

Kalakad Mundanthurai Tiger Reserve: 34.0Km (SW) side.

15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.

16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.

17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, South Sankarankovil Village, Sankarankovil Taluk, Tirunelveli District dated 23.07.2019.

18. Letter obtained from the Deputy Director, Department of Geology and Mining, Tirunelveli vide Letter RC.No.M1/10042/2015 dated 17.07.2019 informed that the details of the existing and abandoned quarries within 500m radius from the proposed Rough Stone quarry as follows.

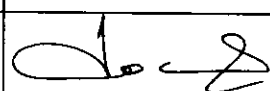


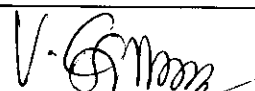
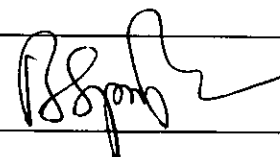
Sl. No	Name of the quarry owner	Village & S.F.No.	Extent
1.Existing Quarry			
NIL			
2.Abandoned Quarry			
1	Thiru.Muthaiah konar, Tharmathoorani,	Sankarankovil Taluk, South Sankarankovil Village, S.F.No. 104/4A,	2.07.5Ha
2	S.Rajendran	Sankarankovil Taluk, South Sankarankovil Village, S.F.No. 152/2&152/5	1.03.0Ha
3.Proposed Quarry			
1	Tmt.T.Lakshmi, W/o. Thirumalaisamy,	Sankarankovil Taluk, South Sankarankovil Village, S.F.No.163/1	1.64.0Ha


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The SEAC noted the following:

1. The Proponent, Tmt.T.Lakshmi has applied for Environment Clearance to SEIAA-TN for the Rough Stone & Gravel quarry lease over an extent of 1.64.0 Ha in S.F.No: 163/1, Sankarankoil Village, South Sankarankoil Taluk, Tirunelveli District, Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

After the detailed presentation, the SEAC directed the proponent to furnish the HACA clearance. On receipt of the this, SEAC would further deliberate on this project and decide the further course of action.

S.No	Name	Designation	Signature
1	Dr. S. Mohan	Chairman	
2	Thiru D. Sekar	Member Secretary	
3	Dr. S. Kanmani	Member	
4	Dr. Velu Gomathi	Member	
5	Dr. L. Subbaraj	Member	
6	Thiru.V.Shanmugam	Member	
7	Dr. R.Siva coumar	Member	
8	Shri B. Sugirtharaj Koilpillai	Member	
9	Dr. L. Elango	Member	


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10	Dr. R. Ilangovan	Member	—
11	Dr. S. Sankar	Member	S. Sankar
12	Thiru. T. Murugu Subramonian	Member	—

[Handwritten signature]