

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the 137th Meeting of the State Expert Appraisal Committee (SEAC) held on 18th October 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: 137 –02-01

(File.No.7132/2019)

The Proposed construction of Residential Building Development at Survey Numbers: 98/1 to 98/10 of Murugamangalam Village, Chengalpattu Taluk, Kancheepuram District by M/s Tamil Nadu Slum Clearance Board, Kancheepuram – For Environment Clearance (SIA/TN/MIS/117154/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.10.2019. 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 project is located at 12°50'0.92"N Latitude, 80° 7'56.86"E Longitude.
2. The total land area of the project is 32,749 Sq.m with total proposed built up area of 47,018.85 Sq.m
3. The project consists of multistoried residential building development consisting of Ground floor + 4 floors totally 1260 Dwelling Units.
4. Total area for two wheeler Parking provided is 2494.8 Sq.m
5. The green belt area proposed for the project is 4993 sq.m (15.24% of total land area).
6. The daily fresh water requirement is 579 kLD which will be sourced from TWAD Board.


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7. Total water Requirement for the project is 903 kLD, Fresh water (Domestic)

Requirement is 579 kLD. Total sewage generation will be 885 kLD. Sewage will be treated through 900 KLD STP. Treated water will be reused for flushing (306 KLD) & gardening (18 KLD) and then the excess water of 517 kLD will be disposed to vacant lands & green belt development in village panchayat.

8. Total waste estimated to be generated is 4023 kg/day in which 2449.6 kg/day is Biodegradable waste, which will be treated in organic waste convertor (OWC) within the project site mixed with 0.09 kg/day STP sludge and then used as manure for landscaping purpose within project site and 1573.2 kg/day is Non -Biodegradable waste will be disposed through TNPCB authorized recyclers.

9. The rainwater harvesting pit has 76 numbers (4 Nos per Block) of 900 mm dia and 1.5 m depth & the rainwater collection sump of capacity 140 cu.m will be provided.



10. There is no Backup Power Source. Since DG set is not proposed.

The SEAC noted the following:

1. The Proponent, M/s Tamil Nadu Slum Clearance Board, has applied for Environmental Clearance to SEIAA-TN for the Proposed construction of Residential Building Development at Survey Numbers: 98/1 to 98/10 of Murugamangalam Village, Chengalpattu Taluk, Kancheepuram District.
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 committee instructed the project proponent to furnish the following details:

1. The land use classification certificate for the project site from DTCP.
2. Village map & A-Register of the survey numbers of the project site.


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3. The details of water requirement, sewage generated and their treatment and utilization of treated sewage are varying in the presentation from the standard guidelines issued by the MoEF&CC . Hence the proponent shall clarify with correct details in the revised proposal by considering the grey water treatment separately.
4. The proposal shall furnish the details of design of the proposed STP and Grey water treatment system after revising the water balance as said above .
5. Necessary permission shall be obtained from competent authority for the utilization of the treated sewage for avenue plantation and OSR development
6. Proposal for Solar energy utilization for a minimum of 10% of total energy shall be furnished.
7. The proponent shall earmark the greenbelt area with GPS coordinates and its dimensions on the periphery of the site to a minimum of 15% of total area in the layout plan and the same shall be submitted for CMDA/DTCP approval.
8. Details of Solid Waste management plan shall be prepared as per Solid waste Management Rules, 2016 and shall be furnished.
9. The proponent shall furnish the detailed about the parking area provided and same shall be earmarked in the layout plan.
10. The rainwater harvesting shall be revised based on the rain water harvesting and conservation manual of CGWB.
11. 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.

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


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Agenda No: 137– 02- 02

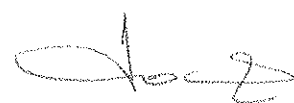

(File.No.6513/2018)

The Proposed manufacturing of synthetic resins at Survey Ns: Plot No. K-11, SIPCOT Industrial Estate S.No. 283 pt, Mambakkam Village , Sriperumbudur Taluk , Kancheepuram District, by M/s. Sam Global Chemicals (India) Private Limited, Kancheepuram – For Environment Clearance .

(SIA/TN/IND2/21938/2017)

The proposal was placed in this 137th SEAC Meeting held on 18.10.2019. 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. Total plot area of the project site is 4735 Sq.m (1.17 acres), where Builtup area is 1789 Sq.m, Greenbelt area of 1562 Sq. m (33% of total land area) and vacant land area is 1384 Sq.m (29.2% of total area).
2. The project site is located at 12°54'43.60"N and 79°54'26.83"E (Site Centre coordinates).
3. The plant proposes a new unit for manufacturing of synthetic resins of 4 nos of 12,000MTPA capacity.
4. The water requirement for proposed construction phase will be 40 kLD, from SIPCOT. The total water requirement for Operation Phase will be 18 kLD (fresh water 13.5kLD and treated water 4.5 kLD). The water requirement will be met by SIPCOT.
5. Domestic sewage of 2 kLD will be treated in proposed 4 kLD STP. Treated water will be used for greenbelt. The effluent will be generated from process and utilities -6.05 kLD and it will be treated in proposed 8 KLD ETP to achieve ZLD. Treated water will be reused for process.
6. Power requirement will be 250 kVA sourced from TNEB, back-up power supply is through 1x 125 kVA DG set with a stack height of 6m AGL.
7. Diesel use is approx.1500 Lts/month for DG sets and Furnace oil use is approx. 36000 Lts/month for Thermic fluid Heater.


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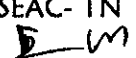
8. Total municipal solid waste generated during the construction phase will be 20.0 kg/day in which Organic waste is 14.0 kg/day and it is disposed through Municipal bin and Inorganic waste is 16.0 kg/day which is disposed through TNPCB authorized recyclers.
9. Total municipal solid waste generated during the operation phase will be 25.5 kg/day in which Organic waste is 12.0 kg/day and it is disposed through Municipal bin, Inorganic waste is 13.0 Kg/day which is disposed through TNPCB authorized recyclers and STP sludge is 0.5 kg/day which is dried and will be used as manure for greenbelt.
10. 27.607 MT/ year Hazardous waste will be generated and it will be disposed at TSDF.
11. Project cost is 4.86 crores.

The SEAC noted the following:

1. The Proponent, M/s. Sam Global Chemicals (India) Private Limited has applied for EC to SEIAA-TN on 12.03.2019 for the proposed manufacturing of synthetic resins at Plot No. K-11, SIPCOT Industrial Estate S.No. 283 pt, Mambakkam Village , Sriperumbudur Taluk , Kancheepuram District.
2. The project/activity is covered under Category "B" of Item 5(f) "synthetic organic chemicals projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the committee instructed the project proponent to furnish the following details for the existing and proposed expansion activity to SEAC,

1. Copy of the Permission letter from SIPCOT for supply of water.
2. Furnish the Stociometric equation for each product with mass balance in order to assess the water requirement and the waste generation.


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3. Material Safety Data Sheet detail for the each product should be tested by the competent authority for each products and report should be submitted.
4. Details of EIA attracting units especially chemical industries in the SIPCOT and their total impact shall be assessed and furnished.
5. Detailed note on each product should be prepared including the green chemistry approach to reduce the toxic inputs, waste water generation and waste generation.
6. Water Balance furnished is incorrect. Hence, the project proponent is requested to provide the correct water balance diagram as per MoEF & CC guidelines.
7. Details of the actual baseline data shall be furnished including the methodology adopted, timeline, etc
8. Detail of intermediate products manufactured and their impacts on environment.
9. Details of facility for storage of solvents and safety measures in case of VoC emissions .
10. Raw material report on impurities shall be tested and reported.
11. Characteristics of each waste for each product shall be furnished.
12. Detail of Air quality modeling shall be furnished.
13. ETP design details with methodology.
14. Similar technology followed by the other industries for the proposed project.
15. Green belt should be revised considering the green belt all around the periphery of the project site and should be minimum of 33% of the total area.
16. The project proponent shall furnish the CER proposal as per Office Memorandum of MoEF & CC dated 01.05.2018

It is requested to submit the above said details. After the receipt of the details the project proponent is requested to make presentation with required details before the SEAC.


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Agenda No. 137-02-03


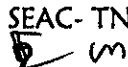
(File/No. 6964/2019)

Proposed construction of Multi Storied Residential Group Development building at inner ring road in T.S.No. 10/2, 11/5, 11/6 & 9, old survey No. 161/1, 2, 161/2B, 157/1A, 99/1, 99/2 & 159/1 Block-31, Ward-E, no.61, Korattur village, Thathankuppam, Ambatthur Taluk, Thiruvallur district, Chennai- 600049 by M/s. Sai Sravanthi Infra Projects Pvt Ltd – For Environment Clearance

(SIA/TN/MIS/109316/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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 project is located at latitude N 13°07'05.55" and longitude 80°11'57.17".
2. The project involves construction of residential building comprises of 3 towers; tower 1 consists of silt + 13 floors with 195 dwelling units, tower 2 consists of silt + 13 floors with 104 dwelling units and tower 3 is for commercial purpose having G+ 4 floor area
3. Total land area is 6513 Sq.m & The total built-up area of the proposed residential development is 28931 Sq.m
4. The green belt area proposed for the project is 1047 Sqm (16% of total land area).
5. The daily fresh water requirement is 137 KLD to be sourced from CMWSSB.
6. A total of 131 kLD of grey water will be let treated by using the grey water treatment system (150 kLD). After grey water treatment, 125 kLD of treated water will be generated, out of which 71 kLD will be used for flushing, 4 KLD for gardening and remaining 50 kLD will be sent to avenue plantation.
7. Black water generated from Flushing (71 KLD) will let into the sewage treatment plant (80 KLD). Treated sewage of 67 KLD will be sent to avenue plantation.


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8. The bio degradable solid waste (577 kg/day) will be treated in OWC machine and the manure generated will be used for landscaping purpose within project site. The non bio degradable solid waste (384 kg/day) will be handed over to Authorized recyclers.
9. A total of 12 nos. of recharge pits with dia. 1.0 m and depth 3 m will be provided. Rain water collection sump of 60 KLD is also proposed to be provided for collection of roof top run off.
10. The proponent is proposed to install 1 no. of 200 kVA & 1 no. of 250 kVA DG sets each with a stack height of 51 m .

The SEAC noted the following:

1. The Proponent, M/s. Sai Sravanthi Infra Projects Pvt Ltd has applied for Environmental Clearance to SEIAA-TN dated 12.06.2019 for the Proposed construction of Multi Storied Residential Group Development building at inner ring road in T.S.No. 10/2, 11/5, 11/6 & 9, old survey No. 161/1, 2, 161/2B, 157/1A, 99/1, 99/2 & 159/1 Block-31, Ward-E, no.61, Korattur village, Thathankuppam, Ambatthur Taluk, Thiruvallur district, Chennai- 600049.
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 committee instructed the project proponent to furnish the following details:

1. The contour level of the proposed site shall be studied and furnished
2. A detailed storm water plan to drained out the water from site after conservation shall be prepared in accordance with the contour levels of the proposed project


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- considering the flood occurred in the year 2015 and also considering the surrounding development environment.
3. As per the village map and Google map, there are two water Canals are abutting the project site. Hence the proponent was directed to plan, design and execute the project accordingly. The proponent was directed to furnish the steps to be taken to ensure that the site will not be flooded in future, along with the flood management (evacuation) plan.
 4. The proposal shall furnish the details of design of STP and Grey water treatment system after revising the water balance.
 5. 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 CMDA/DTCP approval. The green belt width should be 3m all along the boundaries of the project site with total green belt area is not less than 15% of the total land area.
 6. Necessary permission shall be obtained from competent authority for the utilization of the treated sewage for avenue plantation .
 7. Details of Solid Waste management plan shall be prepared as per Solid waste management Rules, 2016 and shall be furnished.
 8. The proponent shall submit the Gross Fixed value include the land value and construction cost as per the PWD guideline value.
 12. 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.

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


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Agenda No. 137-02-04

(File/No. 6977/2019)

Proposed Rough stone quarry over an Extent of 1.77.0 Ha in S.F.Nos. 102/1A,102/1B2 & 102/1BH3 at Eraiyur Village, Vanur Taluk, Villupuram District, Tamil Nadu – by Thiru.A.Aridass for Terms of Reference.

(SIA/TN/MIN/39946/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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.Aridass, Villupuram, Precise Area Communication was issued by the District Collector, Villupuram vide Rc.No.A/G&M/337/2018 Dated: 30.01.2019 for a period of 5 years. It is a fresh lease for Rough stone quarry over an Extent of 1.77.0 Ha in S.F.Nos. 102/1A,102/1B2 & 102/1BH3 at Eraiyur Village, Vanur Taluk, Villupuram 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, Villupuram District vide Rc.No.A/G&M/337/2018 Dated: 04.03.2019.

3. As per the Department of Geology and Mining, Villupuram 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 1,60,630 m³.

- a. For First year - 33,060m³ of Rough stone
- b. For Second year - 33,020m³ of Rough stone
- c. For Third year - 31,270m³ of Rough stone
- d. For Fourth year - 31,700m³ of Rough stone
- e. For Fifth year - 31,580m³ of Rough stone


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4. The quarry operation is proposed upto a depth of 37m from the ground level for Rough stone and 2.0m for Gravel.
5. The Quarry operation is proposed to be carried out with open cast semi mechanized mining .
6. Rough stone are to be transported by Tippers of 4 Nos. (10 T Capacity).
7. The project is locate at 12°03'55.01"N to 12°04'01.91"N latitude and 79°38'24.85"E to 79°38'32.27"E Longitude.
8. The total Manpower requirement is 24 Nos.
9. Total cost of the projects is Rs. 37.16 lakhs and EMP cost about Rs. 8.60 lakhs
10. The Water table is found to be at the depth of 67m in summer and 65m 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. There is Interstate boundary Tamil Nadu – Pondy State Boundary - 3.90 km(SSW)
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. Letter obtained from the Assistant Director, Department of Geology and Mining, Villupuram vide Letter Rc.No.A/G&M/ 337/2018 dated 04.03.2019 informed that the details of the existing and abandoned quarries within 500m radius from the proposed Rough Stone quarry as follows,


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1) Existing other quarries:

S. No.	Name of the lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period	Remarks
1.	D. Manokar, S/o. Dhamotniran Anna Nagar, Eraiur Village, Vanur Taluk	Vanur Eraiur	108/1 108/2 108/3A 108/3B 108/6	0.25.0 0.60.5 0.22.5 0.20.0 0.62.5	---	---
				1.90.5		

2.	E. Jayasankar, S/o. Elumalai. No.198, Vinayakar Koil Street, Eraiur Village, Vanur Taluk, Viluppuram District.	Vanur Eraiur	93/4 93/5 94/1B 94/4	1.14.0 0.21.0 0.27.0 1.75.5	---	---
				3.37.5		
3.	T.Vasudevan, S/o.Thangavel, Eriur Village, Vanur Taluk, Viluppuram District.	Vanur Eraiur	80/3 80/4 81/1 81/3 81/4 81/5 81/6 94/1A 94/2 94/3	0.28.0 0.47.0 0.48.0 0.36.0 0.36.0 0.35.0 1.18.0 0.27.0 0.29.0 0.79.5	---	---
				4.83.5		

2) Proposed Area:

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent	Remarks
1.	A.Aridass School Street, Kadagampattu Village, Vanur Taluk,	Vanur Eraiur	102/1A,10 2/1B2 & 102/1BH3	1.77.0	---

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Villupuram District – 605 502				
			1.77.0	

3) Lease Expired:

S. No.	Name of the Lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period
1.	C.Anandaraj, S/o.Chandrasekar, Eraiyur Village, Vanur Taluk, Viluppuram District.	Vanur Eraiyur	101 part	3.00.0	---
				3.00.0	

The Total extent of the Existing / Proposed quarries are about (1 + 2) 11.88.5 ha

The SEAC noted the following:

1. The Proponent, Thiru.A.Aridaas applied for Environment Clearance to SEIAA-TN for the Rough stone quarry over an Extent of 1.77.0 Ha in S.F.Nos. 102/1A,102/1B2 & 102/1BH3 at Eraiyur Village, Vanur Taluk, Villupuram 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.


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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 conducts Hydrology study report towards the impact of this mining on the surface water & ground hydrology and furnished the 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 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.


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17. Modeling study for Air, Water and noise shall be carried out in this field 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).

Agenda no. 137-02-05

(File/No. 7113/2019)

Proposed construction of Residential Group Development at Survey Numbers: 67/4B, 67/5, of Koppur Village, Thiruvallur Taluk, Thiruvallur District, Tamilnadu by M/s Urban Tree Infrastructures Private Limited – For Environment Clearance (SIA/TN/MIS/114465/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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 project is located at 13°05'48.07"N Latitude, 79°59'15.33"E Longitude.
2. The total land area of the project is 9300 Sq.m with total build up area 22,461.78 Sq.m


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3. The project consists of multistoried building group development residential building consisting of Ground floor + 5 floors totally 330 Dwelling units.
4. Parking facilities to be provided for 193 numbers of cars and 332 numbers for two wheelers and area allotted for parking is 3727.677 Sq.m
5. The green belt area proposed for the project is 1395 sq.m (15% of total land area).
6. The daily fresh water requirement is 149 kLD to be sourced from Thirunindravur TP.
7. Grey water - Wastewater from kitchen, bathing and household appliances like washing machines will be collected separately. 134 kLD of grey water will be let into the grey water treatment system (150 kLD). After grey water treatment, 127 kLD of treated water will be generated, out of which 76 kld will be used for flushing and 5 kLD will be used for gardening.
8. A total quantity of 76 kld of black water generated will be treated in STP of 100 kld capacity, 72 kld of treated wastewater will be generated & used for avenue plantation.
9. Total waste estimated to be generated is 1013 kg/day in which 608 kg/day is Biodegradable waste, which will be treated in organic waste convertor (OWC-300) within the project site mixed with 15 kg/day STP sludge and then used as manure for landscaping purpose within project site and 405 kg/day is Non Biodegradable waste will be sold to recyclers.
10. The rainwater harvesting pit has 40 nos of 0.9 m dia and 1.8 m depth & the rainwater collection sump of capacity 100 cu.m to be provided.
11. The proponent is proposed to install D.G set of 1 Nos of 150 KVA to cater the essential load requirement during power failure with a stack height of 21 m.




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SEAC- TN


The SEAC noted the following:

1. The Proponent, M/s Urban Tree Infrastructures Private Limited has applied for Environmental Clearance to SEIAA-TN dated 12.06.2019 for the proposed construction of Residential Group Development at Survey Numbers: 67/4B, 67/5, of Koppur Village, Thiruvallur Taluk, Thiruvallur District, Tamilnadu.
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 committee instructed the project proponent to furnish the following details:

1. A detailed storm water plan to drained out the water from site after conservation shall be prepared in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the surrounding development environment.
2. The proponent was directed to plan, design and execute the project by considering the project site does not suffer due to floods. The proponent was directed to furnish the steps to be taken to ensure that the site will not be flooded in future, along with the flood management (evacuation) plan.
3. The proposal shall furnish the details of design of STP and Grey water treatment system after revising the water balance.
4. The green belt width should be 3m all along the boundaries of the project site with green belt area of 15% of the total land area. 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 CMDA/DTCP approval.
5. Necessary permission shall be obtained from competent authority for the utilization of the treated sewage for avenue plantation .


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6. Details of Solid Waste management plan shall be prepared as per Solid waste management Rules, 2016 and shall be furnished.
7. The proponent shall submit the Gross Fixed value include the land value and construction cost as per the PWD guideline value.
8. The proposal for CER shall be furnished as per the office memorandum of MoEF&CC dated 01.05.2018 after revising the Gross Fixed value include the land value and construction cost as per the PWD guideline value.

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

Agenda no. 137-02-06

(File/No. 6972/2019)

Proposed a residential development [5 blocks with Stilt +5] at T.S. No. 674/2 pt & 674/3pt of Madambakkam village, Tambaram Taluk, Kancheepuram District Tamil Nadu. By Mr. T. Devaraj – For Environment Clearance

(SIA/TN/MIS/118263/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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. Mr. T. Devaraj, proposes a residential development [5 blocks with Stilt +5] at T.S. No. 674/2 pt & 674/3pt of Madambakkam village, Tambaram Taluk, Kancheepuram District.
2. The proposed development comprises of 277 Dwelling Units with aesthetic architecture, greenbelt, Road and Driveways, Parking Facilities, amounting to total Built-up Area of 24,808.33 Sq.m, in 10,266.76 Sq.m Plot area . The green


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belt area will be 1543.91 Sq.m which is 15.04% of the total plot area; apart from that, an OSR [Open Space Reservation] area of 1026.67 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.

3. Water required for construction phase is 51 KLD of which Domestic water- 3 KLD, Construction work- 40 KLD, Miscellaneous- 5 KLD and flushing water requirement- 3 KLD. The Total water requirement during construction phase shall be met through Authorized Tankers.
4. The project envisages an overall population of 1524 inclusive of the residential units and supporting staff & visitors.
5. Daily freshwater requirement for the project will be 145 kLD, which shall be met through Madambakkam Panchayat provision and will be used only for domestic purposes. Two streams of Waste water [Grey water and Sewage] collection and treatment proposed ; STP with a capacity of 120 kLD shall be based on MBBR technology While Grey water treatment plant will be 120 kLD capacity. Treated sewage from the STP will be 97 kLD out of which 6 kLD will be utilized for green belt within the project area. The treated water from Grey water treatment plant will be 97 kLD out of which 88 kLD will be used for flushing. Overall, 100 kLD of excess treated water both from STP and Grey water treatment plant will be utilized in avenue plantation through Madambakkam Panchayat. .
6. Solid waste generation shall be 0.91 MT/Day of which 0.55 MT/Day Bio-degradable wastes will be disposed through organic waste converter of 0.5 MT/Day capacity and 0.36 MT/Day of Non-Biodegradable recyclable wastes will be handed over to authorized recyclers. Organic sludge generation from STP 8 Kg/day shall be used as manure for in house green belt development. E-waste / Battery Waste shall be disposed through authorized recyclers as per the provisions of respective rules as prescribed by MoEF&CC / TNPCB.


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7. The power required is 1554 KW shall be sourced through TANGEDCO. Five numbers of 125 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 2 mts above the roof [18.90 m from FGL]. The DG sets shall be provided with Acoustic enclosures.
8. Rainwater harvesting shall be done by harvesting roof top rainwater and collection of surface run-off. Roof top rainwater directed to 2 nos. of 100 KL rainwater sumps. Surface run-off is diverted to the storm water drain with cross- section@ 1m * 1m that will be laid all along the boundary.
9. The project proposes INR 90 Lakhs towards environmental management plan during construction phase and INR 435 Lakhs towards the same for operational phase.
10. The total cost of the project is about INR 50.00 crores. The project proposes a CER budget of INR 25 Lakhs [0.5% of the project cost] for various activities as stipulated by the MoEF& CC.

The SEAC noted the following:

1. The Proponent Mr. T. Devaraj has applied for Environmental Clearance to SEIAA- TN dated 12.06.2019 for the Proposed Construction for a residential development [5 blocks with Stilt +5] at T.S. No. 674/2 pt & 674/3pt of Madambakkam village, Tambaram Taluk, Kancheepuram District Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the committee instructed the project proponent to furnish the following details:

1. A detailed storm water plan to drained out the water from site after conservation shall be prepared in accordance with the contour levels of the proposed project


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considering the flood occurred in the year 2015 and also considering the surrounding development environment.

2. The proponent was directed to plan, design and execute the project by considering the project site does not suffer due to floods. The proponent was directed to furnish the details along with mitigation steps to be taken to ensure that the site will not be flooded in future, along with the flood management (evacuation) plan.
3. The proposal shall furnish the details of design of STP and Grey water treatment system after revising the water balance.
4. The green belt width should be 3m all along the boundaries of the project site with green belt area of 15% of the total land area. 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 CMDA/DTCP approval.
5. Necessary permission shall be obtained from competent authority for the utilization of the treated sewage for avenue plantation .
6. Details of Solid Waste management plan shall be prepared as per Solid waste management Rules, 2016 and shall be furnished.
7. The proponent shall submit the Gross Fixed value include the land value and construction cost as per the PWD guideline value.
8. The proposal for CER shall be furnished as per the office memorandum of MoEF&CC dated 01.05.2018 after the revision of Gross Fixed value include the land value and construction cost as per the PWD guideline value.

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


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Agenda No. 137-02-07

(File/No. 6774/2019)

Proposed Black granite (Dolerite) Quarry lease over an extent of 1.26.5Ha in S.F.No: 757 of Agasipalli Village in Krishnagiri Taluk, Krishnagiri District the state of Tamil Nadu by Thiru. D. Loganathan – for Environment Clearance.

(SIA/TN/MIN/34291/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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. D. Loganathan, Precise Area Communication was issued by the Additional Chief Secretary to Government, Industries Department, Chennai, vide **Letter. No. 9969/MME2/2018-1, dated 06.09.2018** for a period of 20 years. It is a Fresh lease for Black granite (Dolerite) Quarry over an extent of 1.26.5Ha in S.F.No: 757 of Agasipalli Village in Krishnagiri Taluk, Krishnagiri District.
2. Mining Plan/Scheme of Mining approval details:
 - a. The Mining plan was prepared for the period of 5 years. The Mining Plan was approved from the Additional Director of Geology and Mining, Guindy, Chennai vide **letter Rc. No. 3274/MM5/2018 Dated: 05.10.2018.**
3. As per the Mining plan, the production schedule for first five years states that the total volume of recoverable as 30% recovery should not exceed 3,030m³.
 - a. For First Year - 600 m³
 - b. For Second year - 600 m³
 - c. For Third year- 600 m³
 - d. For Fourth year - 600 m³
 - e. For Fifth year - 630 m³


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4. The Total waste that will be resulting in the quarrying operation for first years will be 12,710m³ (Granite Waste+ Weathered). The Total waste will be proposed to dump on the eastern side with dimension of (L)56m x (W) 38m x (H) 6m, which will act as temporary waste dump.
5. Topsoil will be 3,447m³. The Topsoil will be dumped on the boundary barriers for afforestation
6. The quarry operation is proposed upto a depth of 8m (1m Topsoil + 2m weathered rock + 5m Black Granite) for the present Mining plan period.
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 3 Nos. (20 T capacity).
9. The project is locate at 12°28'45.13"N to 12°28'48.60"N latitude and 78°13'58.49"E to 78°14'07.46"E Longitude.
10. The total Manpower requirement is 28 Nos.
11. Total cost of the projects is Rs. 2.035 crores and EMP cost about Rs. 6.93 lakhs.
12. The Water table is found to be at the depth of 57m below the ground level.
13. Lease applied area is not covered under HACA region.
14. No Coastal Regulation Zone (CRZ) 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 National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
17. 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.
18. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
19. NOC obtained from the District Forest Officer (DFO) for quarrying of Granite in the lease area vide Letter Rc. No. 2038/2018-L dated 11.04.2018.
20. No habitation within the radius of the 300m from the lease area.


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21. Letter obtained from the Deputy Director, Department of Geology and Mining, Krishnagiri vide Letter RC. No. 497/2016/Mines dated 04.10.2019, informed that

In this regard the details of quarries situated within 500 Mts. radial distance from the said quarry are furnished as follows.

i) **Details of Existing quarries**

S. No.	Name of the lessee	Village	S.F.No.	Extent in Het.	G.O.No. & Date	Lease period
--- Nil ---						

ii) **Details of abandoned / Old quarries**

S. No.	Name of the lessee	Village	S.F.No.	Extent in Het.	G.O.No. & Date	Lease period
--- Nil ---						

iii) **Details of proposed quarries**

Sl. No.	Name of the lessee and address	Village	S. F. No.	Extent in Het.	G.O.No. & Date	Lease period
1.	Thiru. D. Loganathan	Krishnagiri, Agasipalli	757	1.26.5	Government Chennai letter No. 9969/MME.2/2018-1 dated (Precise area communicated)	Proposed area
			Total	1.26.5		

iv) **Details of applied area.**

S. No.	Name of the lessee	Village	S.F.No.	Extent in Het.	Remarks
--- Nil ---					

The SEAC noted the following:

1. The Proponent, Thiru.D. Loganathan applied for Environment Clearance to SEIAA-TN for the Proposed Black granite (Dolerite) Quarry over an extent of 1.26.5Ha in S.F.No: 757 of Agasipalli Village in 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


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After perusal of the details, the SEAC decided to recommend the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:

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 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).

This detail has to be submitted before placing the subject to SEIAA.

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.


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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. CER proposal shall be submitted as per Office Memorandum of MoEF & CC dated 01.05.2018 with time frame before placing the subject to SEIAA.

Agenda no. 137-02-08

(File/No. 7126/2019)

Proposed Rough stone quarry over an Extent of 1.40.5Ha in S.F.Nos. 50/1, 50/2 & 50/3 at Adavanapalli Village, Hosur Taluk, Krishnagiri District by M/S. STONEMARK ENGINEERING PVT LTD- for Terms of Reference.

(SIA/TN/MIN/42407/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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. STONEMARK ENGINEERING PVT LTD, Krishnagiri, Precise Area Communication was issued by the District Collector, and Krishnagiri vide Roc.No.108/2019/Mines, dated 08.03.2019 for a period of 5 years. It is a fresh lease for Rough stone quarry over an Extent of 1.40.5Ha in S.F.Nos. 50/1, 50/2 & 50/3 at Adavanapalli Village, Hosur 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 Assistant Director, Department of Geology and Mining, Krishnagiri District vide Roc. No.108/2019/Mines, dated 08.07.2019.


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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 395395m³.
 - a. For First year - 1,28,807m³ of Rough stone
 - b. For Second year - 65,058m³ of Rough stone
 - c. For Third year - 56,266m³ of Rough stone
 - d. For Fourth year - 87,192m³ of Rough stone
 - e. For Fifth year - 58,072m³ of Rough stone
4. The quarry operation is proposed upto a depth of 64m Rough stone (20m above ground level + 44m below ground level).
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 6m vertical bench and width.
6. Rough stone are to be transported by Tippers of 10 Nos. (20 T Capacity).
7. The project is locate at 12°45'35.18"N to 12°45'27.58" N latitude and 77°55'36.47" E to 77°55'36.37" E Longitude.
8. The total Manpower requirement is 20Nos.
9. Total cost of the projects is Rs. 50 lakhs and EMP cost about Rs. 4 lakhs
10. The Water table is found to be at the depth of 60m BGL in summer and 58m BGL 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. Tamil Nadu- Karnataka state boundary – 6.6m (N), Tamil Nadu – Andhra Pradesh state boundary– 31.8 (E) B2 Project it is exempted under General Conditions of EIA Notification 2006.
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, Adavanapalli Village, Hosur Taluk, Krishnagiri District dated 30/07/2019.

18. Letter obtained from the Assistant Director, Department of Geology and Mining, Krishnagiri vide Letter Roc.No.108/2019/Mines, dated 08.03.2019 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	Lease period	Remarks
1.	N. Sivakumar	Adavanapalli, & Hosur	69, 70/1A(P), etc..	3.96.0ha	---	---

2) Proposed Area:

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent	Remarks
1.	M/S. STONEMARK ENGINEERING PVT LTD,	Adavanapalli & Hosur	50/1, 2, 3.	1.40.5ha	---

3) Lease Expired:

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

The Total extent of the Existing / Proposed quarries are about (1 + 1) 5.36.5ha

The SEAC noted the following:

1. The Proponent, M/S. STONEMARK ENGINEERING PVT LTD, Krishnagiri, Precise Area Communication was issued by the District Collector, and Krishnagiri vide Roc.No.108/2019/Mines, dated 08.03.2019 for a period of 5 years. It is a fresh


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lease for Rough stone quarry over an Extent of 1.40.5Ha in S.F.Nos. 50/1, 50/2 & 50/3 at Adavanapalli Village, Hosur Taluk, Krishnagiri District.

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 shall be submitted along with EIA report.
8. The spot level and contour level 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 conducts Hydrology study towards the impact of the mining on the surface water & ground water hydrology and furnished 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. Modeling 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. 137-02-09

(File/No. 7018/2019)

Proposed Colour Granite Quarry for over an extent of 1.97.5Ha in S.F.Nos. 2/1A of Boothinatham Village, Pappireddipatti Taluk, Dharmapuri District the state of Tamil Nadu by Thiru. K. Maniyappan, Dharmapuri – for Environment Clearance.

(SIA/TN/MIN/40255/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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:


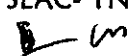
- a. The Quarry lease was applied in the name of Thiru. K. Maniyappan, Dharmapuri, Precise Area Communication was issued by the Principal Secretary to Government, Industries Department, Chennai, vide **Letter. No. 2376/MME.2/2019-1, Dated:07.03.2019** for a period of 20 years. It is a Fresh lease for Colour Granite Quarry for over an extent of 1.97.5Ha in S.F.Nos. 2/1A of Boothinatham Village, Pappireddipatti Taluk, Dharmapuri District.

2. Mining Plan/Scheme of Mining approval details:

- a. The Mining plan was prepared for the period of 5 years. The Mining Plan was approved from the Director of Geology and Mining, Guindy, Chennai vide **letter Rc. No. 297/MM5/2019, dated 28.05.2019.**

3. As per the Mining plan, the production schedule for first five years states that the total volume of recoverable as 25% recovery should not exceed 19,700m³.

- a. For First Year - 5,040 m³
- b. For Second year - 8,052 m³
- c. For Third year - 6,008 m³
- d. For Fourth year - 300 m³
- e. For Fifth year - 300 m³


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4. The Total waste that will be resulting in the quarrying operation for first years will be 78,848m³ (Granite Waste 59,100m³+ Weathered rock 19,748m³). The Total waste will be proposed to dump on the northern side with an area of 3,200m² x (H) 24.6m, which will act as temporary waste dump.
5. Topsoil will be 10,563m³. The Topsoil will be dumped on the boundary barriers for afforestation.
6. The quarry operation is proposed upto a depth of 13m (1m Topsoil + 2m Weathered Rock + 10m Black Granites) for the present Mining plan period.
7. Quarrying Operation will be done by Opencast Semi Mechanized method with Diamond Wire Saw cutting.
8. Granite are to be transported by tippers of 2 Nos. (10 Ts capacity).
9. The project is locate at 11°59'07.31"N to 11°59'13.90"N latitude and 78°20'46.06"E to 78°20'52.40"E Longitude.
10. The Water table is found to be at the depth of 59m below ground level.
11. The Total Manpower requirement is 33 Nos.
12. Total Cost of the project is about Rs. 2.075 crores and EMP Cost about Rs. 6.85 lakhs.
13. Lease applied area is not covered under HACA region.
14. No Coastal Regulation Zone (CRZ) within the radius of 10km.
15. No Interstate boundary & Western Ghats Boundary within the radius of 10km
16. No National Park & Wild Life Sanctuary within the radius of 10km.
17. 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
18. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
19. NOC obtained from the District Forest Officer, Dharmapuri for quarrying of Granite vide Letter No. C. No. 8661/2018/D, dated 13.01.2019.


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20. No habitation within the radius of 500m from the lease area as stated in the letter obtained from the VAO, Menasi Village, Pappiredipatti Taluk, Dharmapuri District dated 06.06.2019.
21. Letter obtained from the Assistant Director, Department of Geology and Mining, Dharmapuri vide Letter Rc. No. 170/2018(Mines), dated 24.07.2019,

In this regard it is informed that at present the following abandoned/existing/proposed quarries are located within 500 mts radial distance from the periphery of the applied are as detailed below:

Abandoned Quarry

Sl. No.	Name and Address of the lessee	G.O.No. and date	Taluk & Village	S.F. No.	Extent (in hecets)	Period of lease
--NIL--						

Existing Quarry



Sl. No.	Name and Address of the lessee	G.O.No. and date	Taluk & Village	S.F. No.	Extent (in hecets)	Period of lease
--NIL--						

Proposed Quarry

Sl. No.	Name and Address of the lessee	Taluk & Village	S.F.No.	Extent (in hecets)
1.	Thiru.K.Maniyappan, S/o Kullu@ Vengaiyagounder, No. 1/284, Boothinatham, Kattuvalavu Village, Menasi Post, Dharmapuri District.	Pappireddipatti (Tk), Boothinatham	2/1A	1.97.5

The SEAC noted the following:

1. The Proponent, Thiru. K. Maniyappan, applied for Environment Clearance to SEIAA-TN for the Proposed Colour Granite Quarry for over an extent of 1.97.5Ha in S.F.Nos. 2/1A of Boothinatham Village, Pappireddipatti Taluk, Dharmapuri District the state of Tamil Nadu.


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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 perusal of the details, the SEAC decided to recommend the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:

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 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).


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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. CER activities should be carried out for infrastructure Development in Government school at Boothinatham Village, Pappirettipatti Taluk, Dharmapuri District for Rs. 4.29 Lakhs as committed during SEAC meeting as per Office Memorandum of MoEF& CC dated 01.05.2018 the above activity shall be carried out before obtaining CTO from TNPCB.

Agenda no. 137-2-10

(File/No. 7136/2019)

Proposed for Rough stone quarry over an Extent of 3.87.5Ha in S.F.Nos. 136/1B (P), 136/1C (P), 136/2A, 136/2B, 136/2C, 136/2D, 136/2E, 371/2(P), 372/4(P), 372/6, 372/7, 372/8(P), 373(P), 376/3(P), 376/5(P), 377/5(P), 377/4(P), 377/3(P), 377/6, 377/7(P), at Athimugam Village, Shoolagiri Taluk, Krishnagiri District of Tamil Nadu by M/S.Kuthavakkam properties pvt.Ltd, – for Environment Clearance.

(SIA/TN/MIN/40255/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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.Kuthavakkam properties pvt.Ltd., Precise Area Communication was issued by the District Collector, Roc.No.107/2019/Mines, dated 06.03.2018 for a period of 5 years. It is a fresh lease for Rough stone quarry over an Extent of 3.87.5Ha in S.F.Nos. 136/1B (P), 136/1C (P), 136/2A, 136/2B, 136/2C, 136/2D, 136/2E, 371/2(P),


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372/4(P), 372/6, 372/7, 372/8(P), 373(P), 376/3(P), 376/5(P), 377/5(P), 377/4(P), 377/3(P), 377/6, 377/7(P), at Athimugam Village,, Shoolagiri Taluk, Krishnagiri District of Tamil Nadu State for a period of Five Years.

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, Krishnagiri District vide 107/2019/Mines, dated 22.08.2019.

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 1815733m³.

- a. For First year - 4,63,480m³ of Rough stone
- b. For Second year - 2,71,999m³ of Rough stone
- c. For Third year - 4,62,378m³ of Rough stone
- d. For Fourth year - 3,58,218m³ of Rough stone
- e. For Fifth year - 2,59,658m³ of Rough stone

4. The quarry operation is proposed up to a depth of 66m Rough stone (22m above ground level + 44m below ground level).
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with height 7m and width 5m.
6. Rough stone are to be transported by Tippers of 4 Nos. (20 T Capacity).
7. The project is located at: 12°44'38.55"N to 12°44'30.94"N latitude and : 77°57'40.60"E to 78°48'33.40"E Longitude.
8. The total Manpower requirement is 18Nos.
9. Total cost of the projects is Rs Rs.78 Lakhs and EMP cost about Rs. 6.35 lakhs
10. The Water table is found to be at the depth of 70m in summer and 68m 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.


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13. Tamil Nadu – Karnataka state boundary – 8.7km(N), Tamil Nadu-Andhra Pradesh state boundary – 27.8km (SE) B2 Project it is exempted under General Conditions of EIA Notification 2006
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. Letter obtained from the Assistant Director, Department of Geology and Mining, Krishnagiri vide Letter RC. No. 107/2019/Mines, dated 28.08.2019 that the details of the existing and abandoned quarries within 500m radius from the proposed Rough Stone quarry as follows.

a) Existing quarries:

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

b) Details of Abandoned/old Quarries :

S. No.	Name of the Lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period
	M. Shesappa Reddy, Chnadapur Circle, Neravur Post, Anekal Taluk, Bandlore Urban.	Athimugam	374/1(P)	1.06.00ha	01.02.2010 to 31.01.2015

c). Details of Proposed Quarries :

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent
1.	M/S.Kuthavakkam	Athimugam	136/1A, etc...	4.64.0ha


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	properties pvt.Ltd,			
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d)Details of Proposed Quarries :

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent
1.	M/S.Kuthavakkam properties pvt.Ltd,	Athimugam	370/3 (p).. etc 4.92.50 Hectare	4.92.0ha

The SEAC noted the following:

1. The Proponent, M/S.Kuthavakkam properties pvt Ltd, has applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone quarry over an Extent of 3.87.5Ha in S.F.Nos. 136/1B (P), 136/1C (P), 136/2A, 136/2B,136/2C, 136/2D, 136/2E, 371/2(P), 372/4(P), 372/6, 372/7, 372/8(P), 373(P), 376/3(P, 376/5(P), 377/5(P),377/4(P), 377/3(P), 377/6, 377/7(P), at AthimugamVillage,, Shoolagiri Taluk, Krishnagiri District of 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
3. The total extend of proposed quarries in the 500m radius is exceed more than 5Ha as per the Letter obtained from the Assistant Director, Department of Geology and Mining, Krishnagiri vide Letter RC. No. 107/2019/Mines, dated 28.08.2019

After perusal of the details, the SEAC decided to request the proponent to apply for Terms of Reference(ToR) so as to comply the 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. 137-02-11

(File/No. 7075/2019)

Proposed Limekankar Deposit Quarry lease over an extent of 3.93.41ha in S.F.Nos. 49/1(P), 2, 3, 4, 5, 6 & 7 in Venkatachalapuram North Village and S.F.Nos. 333/7, 334/1, 2, 4, 5A, 5B, 5C & 6 in Pullambadi North Village, Lalgudi Taluk, Trichy District the state of Tamil Nadu by Thiru. S. Subramanian, Trichy – for Environment Clearance.

(SIA/TN/MIN/41333/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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. S. Subramanian, Trichy, Precise Area Communication was issued by the Additional Chief Secretary to Government, Industries Department, Chennai vide Letter No. 10449/MMC.1/2018-1, dated 25.10.2018. It is a Fresh lease for quarrying of Limekankar Deposit over an extent of 3.93.41ha in S.F.Nos. 49/1(P), 2, 3, 4, 5, 6 & 7 in Venkatachalapuram North Village and S.F.Nos. 333/7, 334/1, 2, 4, 5A, 5B, 5C & 6 in Pullambadi North Village, Lalgudi Taluk, Trichy District.

2. Mining Plan/Scheme of Mining approval details:


- a. The Mining plan was prepared for the period of 5 years. The Mining Plan was approved from the Additional Director of Geology and Mining, Guindy, Chennai vide letter Lr. No. 5725/MM10/2018/LK/Tr, dated 17.12.2018.

3. As per the Mining plan, production schedule for first five years states that the total volume of recoverable as 100% of Limekankar should not exceed 59,573Ts.

- a. For First Year - 25,063 Ts of Limekankar
- b. For Second year - 25,601 Ts of Limekankar
- c. For Third year - 2,970 Ts of Lime kankar
- d. For Fourth year - 2,970 Ts of Lime kankar


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- e. For Fifth year- 2,970 Ts of Limekankar
4. The Total waste that will be resulting in the quarrying operation for first years will be 26,176Ts of Topsoil that would be generated during the present plan period is proposed to be dumped on the Northeastern portion of lease applied area and will be utilized to facilitate afforestation.
 5. The quarry operation is proposed upto a depth of 3.5m (1m Topsoil + 2.5 Limekankar) for the present Mining plan period.
 6. The method of Mining is by Open cast method, excavator will be deployed for the formation of benches and loading. No drilling and blasting is carried out.
 7. Limekankar is to be transported by tippers of 1 No. (10/20 T capacity).
 8. The Water table is found to be at the depth of 36m in rainy season and 40m in summer season.
 9. Lease applied area is not covered under HACA region.
 10. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
 11. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
 12. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
 13. 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.
 14. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
 15. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Venkatachalapuram Village, Lalgudi Taluk, Trichy District dated 21.08.2019 and VAO, Pullambadi North Village, Lalgudi Taluk, Trichy District dated 21.08.2019.


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16. Letter obtained from the Assistant Director, Department of Geology and Mining, Tiruchirapalli vide Letter Roc. No. 168/G&M/2017, dated 09.08.2019, details of the quarries situated within 500mts. radial distance from the said quarry are furnished as follows.

17. "The Following mining leases which are laying within 500 meters for the proposed quarry area not in operation for the past 2(1/2) Years. There are also no possibilities of above mines restarting the operation for the next few years".

S. No	Name of the lessee	District – Taluk & Village	S. F. Nos.	Extent (in Ha.)	Mineral	Active / Inactive
1.	Vel Industries, Trichy	Venkatachalapuram Village, Lalgudi Taluk	50/1	3.25.3	Limestone	Inactive
2.	Thiru. S. Subramanian, Proprietor, M/s. Vel Industries, Trichy	Venkatachalapuram Village, Lalgudi Taluk	46/2 (P), 50/1 (P)	2.23.5	Limestone	Inactive
3.	S. Saravanan, Trichy	Pullambadi Village, Lalgudi Taluk	347/1 to 6, 347/1-11, 347/12 (P) & 347/12 (P), 348	1.87.0	Limestone	Inactive

The SEAC noted the following:

1. The Proponent, Thiru. S. Subramanian applied for Environment Clearance to SEIAA-TN for the Proposed quarrying of Limekankar Deposit over an extent of 3.93.41ha in S.F.Nos. 49/1(P), 2, 3, 4, 5, 6 & 7 in Venkatachalapuram North Village and S.F.Nos. 333/7, 334/1, 2, 4, 5A, 5B, 5C & 6 in Pullambadi North Village, Lalgudi Taluk, Trichy District, TamilNadu
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


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After perusal of the details and the presentation, the SEAC decided to request the proponent to furnish the following detail in the prescribed format,

Letter from the AD/DD Mines about the details (Name of the Owner, S F No, Extent & distance from the boundary of this quarry) of other quarries (proposed/Existing/Abandoned quarries) within a radius of 500 m from the boundary of the proposed quarry site in the following format.

Sl.No.	Name of the Quarry Owner	Name of Village & Survey Number	Extent in Hectare	Distance from this proposed Quarry
a. Existing quarries				
1				
b. Abandoned quarries				
1				
2				
c. Proposed quarries				
1				

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

Agenda no. 137-2-12

(File/No. 7144/2019)

Proposed Rough Stone and Gravel Quarry over an Extent of 2.15.30Ha in S.F.No.148 (P) at Punnamai Village, Cheyyur Taluk, Kanchipuram District, TamilNadu by Thiru. M. Ramakrishnan- for Environment Clearance

(SIA/TN/MIN/43434/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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.Ramakrishnan, Kanchipuram, Precise Area Communication was issued by the District Collector, Kanchipuram vide Rc.No.536/Q2/2016, dated 02.08.2019 for a period of 5 years. It is a fresh lease for Rough Stone and Gravel Quarry over an Extent of


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2.15.30Ha in S.F.No.148 (P) at Punnamai Village, Cheyyur Taluk, Kanchipuram 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 Assistant Director, Department of Geology and Mining, Kanchipuram District vide Rc.No.536/Q2/2016 Dated 03.09.2019.



3. As per the Department of Geology and Mining, Kanchipuram District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of 2,60,760m³ of Rough Stone 77,220m³ of Weathered Rock and 31,916m³ of gravel formation.

YEAR	ROUGHSTONE (m3)	WEATHERED ROCK (m3)	GRAVEL (m3)
I	40050	47025	19392
II	40325	30195	12524
III	60050	-	-
IV	60120	-	-
V	60215	-	-
TOTAL	2,60,760	77,220	31,916

4. The quarry operation is proposed depth of 47m (from + 109m RL to 62m 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. (5/10T capacity).
7. The project is locate at 12°28'44"N to 12°28'52"N and Longitude 79°59'48"E to 79°59'54"E Longitude.

Toposheet Number: 57-P/14, 57-P/15, 66 D/02 and 66 D/03

8. The total Manpower requirement is 20 Nos. (Permanent:13, Temporary: 7)


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9. Total cost of the projects is Rs.67,21,200/- (Including Operational + Fixed Asset + EMP cost). EMP cost about Rs.4,60,000/-
10. The ground water table is at a depth of 55m BGL.
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. Wild Life Sanctuary:** Nil within 10km Radius
Vedanthangal Bird Sanctuary 16.50Km (NW) side.
Karikili Birds Sanctuary 20.80Km (NW) 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, Punnamai Village, Cheyyur Taluk, Kanchipuram District dated 18.09.2019.
18. Letter obtained from the Assistant Director, Department of Geology and Mining, Kanchipuram vide Letter Rc.No.536/Q2/2016 dated 17.09.2019 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 Owner	Village	S.F.No.	Extent	Lease Period	Remarks
I).Existing Other Quarries						
Nil						
II). Proposed Area						


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1	M.Ramakrishnan S/o.Markandeyan, Sivasakthi Complex Bazzar Street, 74, Tiruvathur, Cheyyur Taluk, Kanchipuram District.	Punnamai	148(P)	2.15.30Ha	-	Under Processing (Present Applicatio n)
III).Lease Expired and Abandoned Quarries						
Nil						

The Total extent of the Existing / Proposed quarries are about (0 + 1) 2.15.30ha.

The SEAC noted the following:

1. The Proponent, Thiru. M. Ramakrishnan has applied for Environment Clearance to SEIAA-TN for the Proposed Rough Stone and Gravel Quarry over an Extent of 2.15.30Ha in S.F.No.148 (P) at Punnamai Village, Cheyyur Taluk, Kanchipuram District, TamilNadu
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 perusal of the details, the SEAC decided to the recommended the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:

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 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. 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. CER activities should be carried out for infrastructure Development in Government school at Punnamai Village, Cheyyur Taluk, Kanchipuram District, for Rs. 1.34 Lakhs as committed during SEAC meeting as per Office Memorandum of MoEF& CC dated 01.05.2018 the above activity shall be carried out before obtaining CTO from TNPCB.


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Agenda no. 137-02-13

(File/No. 7076/2019)

Proposed Rough stone Jelly and Gravel for over an extent of 0.99.5ha in S.F.Nos. 720 at Prancheri Village of Manur Taluk, Tirunelveli District, Tamil Nadu by Thiru. M. Marutharaj – For Environmental Clearance.

(SIA/TN/MIN/41475/2019) dated 21.08.2019

The proposal was placed in this 137th SEAC Meeting held on 18.08.2019. 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. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru. M. Marutharaj, Tirunelveli, Precise Area Communication was issued by the District Collector, Tirunelveli vide Rc.No. M1/18647/2017 Dated: 27.02.2018 for a period of 5 years. It is a fresh lease for Rough stone Jelly and Gravel quarry over an extent of 0.99.5ha in S.F.Nos. 720 at Prancheri Village of Manur 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 approval from the Deputy Director, Department of Geology and Mining, Tirunelveli District vides Rc. No. M1/18647/2017 Dated: 17.04.2018.

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 Rough stone should not exceed 87,815m³, weathered rock formation should not exceed 6,624m³ and Gravel should not exceed 7,125m³.

- a. For First year - 17,425m³ of Rough stone, 3,888m³ of weathered rock and 4200m³ of Gravel.


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- b. For Second year - 17,425m³ of Rough stone, 2,736m³ of weathered rock and 2,925m³ of Gravel.
 - c. For Third year - 17,420m³ of Rough Stone
 - d. For Fourth year - 17,530m³ of Rough Stone
 - e. For Fifth Year - 18,020m³ of Rough Stone
4. The quarry operation is proposed upto a depth of 37m (1m Gravel, 1m Weathered rock /Jelly and 35m 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 stone are to be transported by Tippers of 2 Nos. (5/10 T Capacity).
 7. The project is locate at 08° 55' 35.00"N to 08° 55' 38.00"N latitude and 77° 44' 27.00"E to 77° 44'31.00"E Longitude.
 8. The total Manpower requirement is 16 Nos.
 9. Total cost of the projects is Rs. 47.98 lakhs and EMP cost about Rs. 4.45 lakhs.
 10. The Water table is found to be at the depth of 45-43m below 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 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, Prancheri Village of Manur Taluk, Tirunelveli District dated 17.07.2019.
 17. Letter obtained from the Deputy Director, Department of Geology and Mining, Tirunelveli vide Letter RC. No. M1/18647/2017, dated 26.07.2019, informed that,


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"The Details of quarry leases granted for Rough stone falling within a radial distance of 500 Meters from the subject leasehold area are furnished below":

Sl. No.	Name of the Lessee	Village & SF.No.	Extent Hectares
1. Existing quarries			
NIL			
2. Abandoned quarries			
1.	Murugesan, Chennai	Manur (Tk), Pranjeri (V), SF.Nos. 666/2, 667/1,2,3,& 4	4.52.0
2.	M.Murugaiah. S/o. Murugaiah, 32/B1, Kattapomman Street, Kayathar.	Manur (Tk), Pranjeri(V), SF.Nos. 721 & 703	2.26.0
3. Proposed quarries			
--NIL--			

The SEAC noted the following:

1. The Proponent, Thiru. M. Marutharaj applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone Jelly and Gravel for over an extent of 0.99.5ha in S.F.Nos. 720 at Prancheri Village of Manur 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 perusal of the details, the SEAC decided to the recommended the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:

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


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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).

This detail has to be submitted before placing the subject to SEIAA.

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. CER activities should be carried out for infrastructure Development in Government school at Prancheri Village of Manur Taluk, Tirunelveli District, for Rs. 1.04 Lakhs as committed during SEAC meeting as per Office Memorandum of MoEF& CC dated 01.05.2018 the above activity shall be carried out before obtaining CTO from TNPCB.


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Agenda no. 137-2-14

(File/No. 6973/2019)

Proposed Rough stone quarry lease over an extent of 1.00.0Ha in S.F.No. 54/39 (P) at Se.Andapattu Village, Thandrampattu Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. B.Ravindiran, Tiruvannamalai – For Environmental Clearance.

(SIA/TN/MIN/39188/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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 Thiru. B. Ravindran, Tiruvannamalai, Precise Area Communication was issued by the District Collector, Tiruvannamalai vide RC.No 13/Mines/2019, Dated: 28.05.2019 for a period of 5 years. It is a fresh lease for Rough stone quarry over an extent of 1.00.0Ha in S.F.No. 54/39 (P) at Se.Andapattu Village, Thandrampattu Taluk, Tiruvannamalai District.

2. Mining Plan / Scheme of Mining approved details:

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, Tiruvannamalai District vide Rc. No. 13/Kannimam/2019 dated 27.06.2019.

3. As per the Department of Geology and Mining, Tiruvannamalai 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 1,28,598m³ and topsoil should not exceed 3,840m³

a. For First year - 24,880m³ of Rough stone and 3,840m³ of Topsoil


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- b. For Second year - 29,088m³ of Rough stone
 - c. For Third year - 26,230m³ of Rough Stone
 - d. For Fourth Year - 25,530m³ of Rough Stone
 - e. For Fifth Year - 22,870m³ of Rough Stone
4. The quarry operation is proposed upto a depth of 46m (11m above ground level + 35m below ground level).
 5. The Quarry operation is proposed to carry out with open cast mechanized mining with 5.0m vertical bench and width.
 6. Rough stone are to be transported by Tippers of 2 Nos. (20 T Capacity).
 7. The project is locate at 12°06'47.04"N to 12°06'50.93"N latitude and 78°51'22.41"E to 78°51'26.91"E Longitude.
 8. The total Manpower requirement is 26 Nos.
 9. Total cost of the projects is Rs. 39.00 lakhs and EMP cost about Rs. 3.80 lakhs.
 10. The Water table is found to be at the depth of 55-50m below 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 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, Thanipadi Group village, Thandrapattu Taluk, Tiruvannamalai District dated 27.06.2019.


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18. Letter obtained from the Assistant Director, Department of Geology and Mining, Tiruvannamalai vide Letter RC. No. 13/Kanimam/2019, dated 19.07.2019, informed that

"In this regard apart from the proposed quarry in S.F.No.54/39 (Part) Over an extent 1.00.0 Hect. Of Se.Andapattu Village, Thandarampattu Taluk the details of quarries (Proposed / Existing / Lease Expired) located within 500 mts radius are furnished as follows:

i) Existing quarries:

Sl. No	Name of the Owner (Tvl)	Village & S.F.Nos	Extent in Hect	Lease period	Remarks
1	--NIL--				

ii) Abandoned quarries:

Sl. No	Name of the Owner (Tvl)	Village & S.F.Nos	Extent in Hect	Lease period	Remarks
1.	Thiru.B.Ravindran S/o. G.Balasubramaniyan No.737, Pazhaya Ajasalaga Street, Thandarampattu	Se.Andapattu S.F.No.54/39 (Part2)	1.02.5	09.08.2010 To 08.08.2015	Expired Quarry

iii) Present proposed quarries:

Sl. No	Name of the Owner (Tvl)	Village & S.F.Nos	Extent in Hect	Lease period	Remarks
1.	Thiru.B.Raveendran, S/o.G.Balasubramaniyan, No.737, Pazhaya Ajasalaga Street, Thandarampattu, Tiruvannamalai,	Se.Andapattu S.F.No.54/39 (Part)	1.00.0	--	Proposed quarry


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vi).Future Proposed quarries:

Sl. No	Name of the Owner (Tvl)	Village & S.F.Nos	Extent in Hect	Lease period	Remarks
1	--NIL--				



The SEAC noted the following:

1. The Proponent, Thiru. B.Ravindiran has applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone quarry lease over an extent of 1.00.0Ha in S.F.No. 54/39 (P) at Se.Andapattu Village, Thandrapattu Taluk, Tiruvannamalai 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 perusal of the details, the SEAC decided to request the following details,

1. It was noted that Documents furnished by the proponent and the Google image shows that mining activity was already been carried out in the mine lease area. It is requested 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 already mined in that leases area.
2. The proponent shall furnish the proposed mitigation measures to control the fugitive emission and dust emission during mining operation and transportation. Accordingly the EMP should be revised .

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


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Agenda no. 137-02-15

(File/No. 6985/2019)

Proposed Savudu Quarry over an Extent of 1.89.00Ha in S.F.No.126 (Part) PWD Tank at Thalakkancheri Village, Tiruvallur Taluk and District, TamilNadu. by Thiru.K.Elumalai – for Environment Clearance.

(SIA/TN/MIN/39694/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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.Elumalai, Tiruvallur, Precise Area Communication was issued by the District Collector, Tiruvallur vide Rc.No. 307/2018/Mines.2, dated 31.12.2018 for a period of 45 Days. It is a fresh lease for Savudu Quarry over an Extent of 1.89.00Ha in S.F.No.126 (Part) PWD Tank at Thalakkancheri Village, Tiruvallur Taluk and District.
2. Mining Plan / Scheme of Mining approved details:
 - a. The Mining plan was prepared for the period of 45 Days. The mining plan was got approved from the Assistant Director, Department of Geology and Mining, Tiruvallur District vide Rc.No.307/2018/G&M-2 Dated 31.01.2019.
3. As per the Department of Geology and Mining, Tiruvallur District. Mining Plan approval for the 45 Days, the production schedule for 45 Days states that the total quantity of 17,010m³ or 2835 lorry loads of savudu envisaged in this period.
4. The quarry operation is proposed depth of 0.90m (from + 41m RL to 40.1m RL).
5. Burrowing/Desilting of PWD tank for a depth of mining of 0.90m only using opencast semi mechanized mining without drilling and blasting for a period of just 45 days.
6. Haulage of minerals will be done by trucks/tippers directly from mining area to needy customers' site.


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7. The project is locate at 13°09'16"N to 13°09'21"N and Longitude 79°53'55"E to 79°53'59"E Longitude.
8. The total Manpower requirement is 12Nos. (Permanent:4, Temporary: 8)
9. Total cost of the projects is Rs.4,26,500/- (Including fixed + EMP cost) EMP cost about Rs.92,500/-
10. The ground water table is at a depth of 25m BGL Hence.
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. Wild Life Sanctuary: Nil within 10km Radius.
15. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
16. Letter obtained from the Assistant Director, Department of Geology and Mining, Tiruvallur vide Letter Rc.No.307/2018/G&M-2 dated 26.06.2019 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 Owner	Village	S.F.No.	Extent	Lease Period	Remarks
I).Existing Other Quarries						
Nil						
II). Proposed Area						
1	Thiru.K.Elumalai S/o.Kannan, No.4/239, M.G.R Salai, Nasarathpettai, Agaramel Village, Chennai.	Thalakka ncheri	148(P)	1.89.00Ha	-	Proposed Area
III).Abandoned Quarries						
Nil						


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The Total extent of the Existing / Proposed quarries are about (0 + 1) 1.89.00ha. The SEAC noted the following:

1. The Proponent, Thiru.K.Elumalai has applied for Environment Clearance to SEIAA-TN for the Proposed Savudu Quarry over an Extent of 1.89.00Ha in S.F.No.126 (Part) PWD Tank at Thalakkancheri Village, Tiruvallur Taluk and District, TamilNadu.
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 perusal of the details, the SEAC decided to the recommended the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:

1. The depth of the mining at any cost of time should not be below the depth of sill of sluice of the water tank.
2. 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 before applying CTO from TNPCB.
3. The transportation of the mined out product should not disturb the tank bund structures and channel course.
4. Ground water quality monitoring should be conducted for every month and the report should be submitted to TNPCB.
5. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
6. Rainwater shall be pumped out Via Settling Tank only.
7. The project proponent shall undertake plantation/afforestation work by planting the native species on all side of the tanks bunds.


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8. Floor of excavated pit to be levelled and sides to be sloped with gentle slope in the mine closure phase.
9. The Project Proponent shall comply the mining and other relevant rules and regulations where ever applicable.
10. 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.
11. 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).
12. The entire mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
13. The mining area must be demarcated leaving atleast 50m from the bund of the water tank on all the side.
14. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
15. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
16. The proposal for CER as per the Office Memorandum of MoEF & CC dated 01.05.2018 shall be furnished before placing the subject to SEIAA.


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Agenda no. 137-02-16

(File/No.7168/2019)

Proposed Rough stone and Gravel quarry lease over an extent of 1.95.0ha in S.F.No: 2/1, 2/2, 2/4 and 2/5 Madavanthangal Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu by Thiru. T. K. Kumar, Viluppuram – For Terms of Reference.

(SIA/TN/MIN/43883/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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. T.K.Kumar, Viluppuram, Precise Area Communication was issued by the District Collector, Viluppuram vide Rc.No.B/G&M/448/2019, Dated: 26.08.2019 for a period of 5 years. It is a fresh lease for Rough stone and Gravel quarry over an extent of 1.95.0ha in S.F.No: 2/1, 2/2, 2/4 and 2/5 Madavanthangal Village, Marakkanam Taluk, Viluppuram 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, Viluppuram District vide Rc.No.B/G&M/448/2019, Dated: 12.09.2019.
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 2,70,025m³, Gravel should not exceed 30,590m³ and Topsoil should not exceed 30,590m³.


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- a. For First year - 57,700m³ of Rough stone, 12,190m³ of Gravel and 12,190m³ of Topsoil.
 - b. For Second year - 58,200m³ of Rough stone, 9,200m³ of Gravel and 9,200m³ of Topsoil.
 - c. For Third year - 58,200m³ of Rough stone, 9,200m³ of Gravel and 9,200m³ of Topsoil.
 - d. For Fourth year - 47,565m³ of Rough stone.
 - e. For Fifth year - 48,360m³ of Rough stone.
4. The quarry operation is proposed upto a depth of 39m (0.5m Topsoil + 0.5m weathered formation + 9m Rough stone) below ground level.
 5. The overburden is the form of top soil (30,590), it will be removed and preserved all along the boundary barrier to facilitate the Green belt development and afforestation.
 6. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench and width.
 7. Rough stone and gravel are to be transported by Tippers of 3 Nos. (20 T Capacity).
 8. The project is locate at 12°13'10.51"N to 12°13'16.33"N latitude and 79°46'28.11"E to 79°46'34.21"E Longitude.
 9. The total Manpower requirement is 30 Nos.
 10. Total cost of the projects is Rs. 44.19 lakhs and EMP cost about Rs. 3.80 lakhs.
 11. The Water table is found to be at the depth of 45m in summer and 40 in rainy season below ground level.
 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 Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
 15. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.

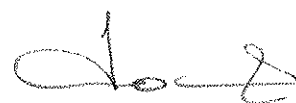


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16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.

17. Letter obtained from the Assistant Director, Department of Geology and Mining, Viluppuram vide Letter RC. No. B/G&M/448/2019, dated 12.09.2019, informed that the details of existing and abandoned quarries located within 500mts radius from the proposed rough stone and Gravel quarry as follows.

I. Existing other quarries:

Sl. No.	Name of the lessee / permit holder	Name of the minerals	Taluk & Village	S. F. No.	Extent (in hecst)	Lease period	Remarks
1.	K. Ashokkumar S/o. Kandasamy, Nallalam Kootroad, Perumukkal Villge, Tindivanam Taluk	Rough stone & Gravel	Marakkanam, Madavanthang al	10/5 (P), 10/6 (P), 11/5 (P), & 11/7 (P)	013.5/ 0.33.5, 0.65.5/ 1.01.0 0.08.0 / 0.18.0 0.08.0 / 0.16.0 0.95.0 / 1.68.5	16.04.2015 to 15.04.2020	-
2.	M. Babu, S/o. Mannar, No. 23, Mallam Road, Indira Nagar, Tindivanam Post & Taluk, Viluppuram District	Rough stone & Gravel	Tindivanam, Kunnappakkam	52/1 52/2 & 52/3	1.44.0 1.94.0 0.56.0 3.94.0	18.04.2013 to 17.04.2018	
				Total	4.89.0		


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II. Proposed Area:

Sl. No.	Name of the lessee / permit holder	Name of the minerals	Taluk & Village	S. F. No.	Extent (in hecets)	Remarks
1.	Thiru. T. K. Kumar, S/o. T. Kanniyappan, No. 334, Nehru Street, Vedavalliammal Trust Building, Poonthottam, Tindivanam – 604001 Viluppuram District	Rough stone & Gravel	Marakkanam, Madavanthangal	2/1 2/2 2/4 2/5	0.62.5 0.30.5 0.34.0 <u>0.68.0</u> <u>1.95.0</u>	-
2.	Thiru. N. Gopinath, S/o. Natarajan, 191, Nattamaikkarar Street, Polampakkam Village, Cheyyar Taluk, Kanchipuram District	Rough stone & Gravel	Marakkanam, Madavanthangal	33/5 37/3 37/4 37/5 37/6 37/7	0.54.5 1.14.0 0.68.5 0.40.0 0.31.0 <u>0.27.0</u> <u>3.35.0</u>	-
			Total		5.30.0	

III. Lease Expired:

Sl. No.	Name of the lessee / permit holder	Name of the minerals	Taluk & Village	S. F. No.	Extent (in hecets)	Lease period	Remarks
----- Nil -----							

The SEAC noted the following:

1. The Proponent, Thiru. T. K. Kumar has applied for Terms of Reference to SEIAA-TN for the Proposed Rough stone and Gravel quarry lease over an extent of 1.95.0ha in S.F.No: 2/1, 2/2, 2/4 and 2/5 Madavanthangal Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu.


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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 shall be submitted along with EIA report.
8. The spot level and contour level 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 conducts Hydrology study report from recognised Anna University, IIT, etc. and furnished the 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.


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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. 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. 137-02-17

(File/No. ⁶⁹⁸⁴7168/2019)

Proposed Savudu Quarry over an Extent of 1.63.80Ha in S.F.No.23/1 (Part-1) PWD Tank at Egattur Village, Tiruvallur Taluk and District, Tamilnadu by Thiru. M. Charles – for Environment Clearance

(SIA/TN/MIN/39903/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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.Charles, Tiruvallur, Precise Area Communication was issued by the District Collector, Tiruvallur vide Rc.No. 319/2018/Mines.2 dated 31.12.2018 for a period of 45 Days. It is a fresh lease for Savudu Quarry over an Extent of 1.63.80Ha in S.F.No.23/1 (Part-1) PWD Tank at Egattur Village, Tiruvallur Taluk and District.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 45 Days. The mining plan was got approved from the Assistant Director, Department of Geology and Mining, Tiruvallur District vide Rc.No.319/2018/G&M-2 Dated 31.01.2019.

3. As per the Department of Geology and Mining, Tiruvallur District. Mining Plan approval for the 45 Days, the production schedule for 45 Days states that the total quantity of 14,742m³/ 2,457Lorry Loads of savudu envisaged in this period.



4. The quarry operation is proposed depth of 0.90m (from + 47m RL to 46.1m RL).

5. Burrowing/Desilting of PWD tank for a depth of mining of 0.90m only using opencast semi mechanized mining without drilling and blasting for a period of just 45 days.


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6. Haulage of minerals will be done by trucks/tippers directly from mining area to needy customers' site.
7. The project is located at 13°06'25"N to 13°06'29"N and Longitude 79°52'35"E to 79°52'39"E Longitude.
Toposheet Number: 557 O/ 16
8. The total Manpower requirement is 12Nos. (Permanent:4, Temporary: 8)
9. Total cost of the projects is Rs.2,96,000/- (Including fixed + EMP cost)
EMP cost about Rs.92,500/-
10. The ground water table is at a depth of 20m BGL Hence.
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. **Wild Life Sanctuary:** Nil within 10km Radius.
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. Letter obtained from the Assistant Director, Department of Geology and Mining, Tiruvallur vide Letter Rc.No.319/2018/G&M-2 dated 29.07.2019 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 Owner	Village	S.F.No.	Extent	Lease Period	Remarks
I).Existing Other Quarries						
Nil						


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II). Proposed Area						
1	Thiru.M.Charles S/o.Methak, No.1/29, Muthurangan Nagar, Nasarathpettai, Chennai-600 123.	Egattur	23/1(Part-1)	1.63.80Ha	-	Proposed Area
2	Present proposed quarry of Thiru.R.Siva	Egattur	23/1(Part-II)	1.63.80Ha	-	
III).Abandoned Quarries						
Nil						

The Total extent of the Existing / Proposed quarries is about 3.27.60ha.

The SEAC noted the following:

1. The Proponent, Thiru. M. Charles has applied for Environment Clearance to SEIAA-TN for the Proposed Savudu Quarry over an Extent of 1.63.80Ha in S.F.No.23/1 (Part-1) PWD Tank at Egattur Village, Tiruvallur Taluk and District, Tamilnadu.
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 perusal of the details, the SEAC decided to recommend the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:

1. The depth of the mining at any cost of time should not be below the depth of sill of sluice of the water tank.
2. 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 before applying CTO from TNPCB.
3. The transportation of the mined out product should not disturb the tank bund structures and channel course.


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4. Ground water quality monitoring should be conducted for every month and the report should be submitted to TNPCB.
5. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
6. Rainwater shall be pumped out Via Settling Tank only.
7. The project proponent shall undertake plantation/afforestation work by planting the native species on all side of the tanks bunds.
8. Floor of excavated pit to be levelled and sides to be sloped with gentle slope in the mine closure phase.
9. The Project Proponent shall comply the mining and other relevant rules and regulations where ever applicable.
10. 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.
11. 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).
12. The entire mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
13. The mining area must be demarcated leaving atleast 50m from the bund of the water tank on all the side.
14. 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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15. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
16. The proposal for CER as per the Office Memorandum of MoEF & CC dated 01.05.2018 shall be furnished before placing the subject to SEIAA.

Agenda no. 137-2-18

(File/No. 7147/2019)

Proposed Gravel Quarry lease over an extent of 1.45.0Ha in S.F.Nos. 532/3A, 532/3B, 532/6A, 532/6B, 532/6C & 532/7 at Udayarpalayam (East) Village, Udayarpalayam Taluk, Ariyalur District, Tamil Nadu by Thiru. G. Kasinathan Ariyalur – For Environmental Clearance.

(SIA/TN/MIN/42106/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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. G. Kasinathan, Ariyalur, Precise Area Communication was issued by the District Collector, Ariyalur vide Rc.No.230/G&M/2018, Dated: 25.06.2019 for a period of 3 years. It is a fresh lease for Gravel Quarry over an extent of 1.45.0Ha in S.F.Nos. 532/3A, 532/3B, 532/6A, 532/6B, 532/6C & 532/7 at Udayarpalayam (East) Village. Udayarpalayam Taluk, Ariyalur District,
2. Mining Plan / Scheme of Mining approved details:
 - a. The Mining plan was prepared for the period of 3 years. The mining plan was got approval from the Deputy Director, Department of Geology and Mining, Ariyalur District vide Rc.No. 230/G&M/2018, Dated: 29.07.2019.
3. As per the Department of Geology and Mining, Ariyalur District. Mining Plan approval for the 3 years, the production schedule for 3 years states that the total


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quantity of Gravel should not exceed 13,041m³ and Topsoil should not exceed 1,325m³

- a. For First year - 4,463m³ of Gravel and 702m³ of Topsoil
 - b. For Second year - 4,099m³ of Gravel and 624m³ of Topsoil
 - c. For Third year - 4,480m³ of Gravel
4. The quarry operation is proposed up to a depth of 2m (0.25m Topsoil and 1.75m Gravel).
 5. The Quarry operation is proposed to carry out with by open cast semi mechanized method (Without drilling & blasting).
 6. Rough stone are to be transported by Tippers (10/20 T Capacity).
 7. The project is locate at 11°10'37.17"N to 11°10'42.14"N latitude and 79°18'06.34"E to 79°18'12.25"E Longitude.
 8. The total Manpower requirement is 9 Nos.
 9. Total cost of the projects is Rs. 9.85 lakhs and EMP cost about Rs. 2.90 lakhs.
 10. The Water table is found to be at the depth of 30m below 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 from the lease area.
 16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.


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17. Letter obtained from the Deputy Director, Department of Geology and Mining, Ariyalur vide Letter RC. No. 230/G&M/2018, dated 29.07.2019, the details of quarries situated within 500m radial distance from the periphery of this proposed quarry are furnished as follows.

Details of existing mine:

Sl. No.	Name of the Lessee/Applicant	Taluk & Village	S.F.Nos.	Extent (in Hect)	Mineral	Lease Period
---NIL---						

Details of Lease period expired/abandoned mine:

Sl. No.	Name of the Lessee/Applicant	Taluk & Village	S.F. Nos.	Extent (in Hect)	Mineral	Lease Period
1.	S.Duraimaran	Udayarpalayam & Udayarpalayam (East)	533/2B, 36B, 6,7,534/9,10	1.85.5	Gravel	27.10.2004 To 01.03.2007
2.	S.Duraimaran	Udayarpalayam & Udayarpalayam East	531/3	2.02.5	Gravel	02.03.2006 To 01.03.2009
3.	D.Sudha	Udaiyarpalayam & Udaiyarpalayam East	518/11, 12, 13A, 532/8, 10B, 11B, 676/3B, 4A, 2, 3A,3C, 676/4B	1.85.0	Gravel	01.06.2011 To 31.05.2014
4.	G.Selvadurai	Udaiyarpalam & Udaiyarpalam East	516/2B, 517/2,3	3.76.0	Gravel	26.02.2016 To 25.02.2019
			Total	9.49.0		


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Details of proposed Mine:

Sl. No.	Name of the Lessee/Applicant	Taluk & Village	S.F.Nos.	Extent (in Hect)	Mineral	Lease Period
1.	G.Kasinathan	Udaiyarpalam & Udaiyarpalam (East)	532/3A, 532/3B, 532/6A, 532/6B, 532/6C & 532/7	1.45.0	Gravel	---

The SEAC noted the following:

1. The Proponent, Thiru. G. Kasinathan has applied for Environment Clearance to SEIAA-TN for the Proposed Gravel Quarry lease over an extent of 1.45.0Ha in S.F.Nos. 532/3A, 532/3B, 532/6A, 532/6B, 532/6C & 532/7 at Udayarpalayam (East) Village, Udayarpalayam Taluk, Ariyalur 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 perusal of the details, the SEAC decided to recommend the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:

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 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).
- This detail has to be submitted before placing the subject to SEIAA.
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. CER activities should be carried out for infrastructure Development in Government school at Udayarpalayam (East) Village, Udayarpalayam Taluk, Ariyalur District, for Rs.0.26 Lakhs as committed during SEAC meeting as per Office Memorandum of MoEF& CC dated 01.05.2018 the above activity shall be carried out before obtaining CTO from TNPCB.

Further the SEAC decided to request the proponent to furnish the following detail in the prescribed format,

Letter from the AD/DD Mines about the details (Name of the Owner, S F No, Extent & distance from the boundary of this quarry) of other quarries (proposed/Existing/Abandoned quarries) within a radius of 500 m from the boundary of the proposed quarry site in the following format,


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Sl.No.	Name of the Quarry Owner	Name of Village & Survey Number	Extent in Hectare	Distance from this proposed Quarry
a. Existing quarries				
1				
b. Abandoned quarries				
1				
2				
c. Proposed quarries				
1				

The proponent shall furnish the above said details, before placing the subject to SEIAA.

Agenda No. 137-2-19

(File/No.7059/2019)

Proposed Rough stone and Gravel quarry lease over an extent of 1.66.0ha in S.F.Nos. 107/1 (P) & 108/1 (P), at Andipalayam Village of Kinathukadavu Taluk, Coimbatore District. Tamil Nadu by Thiru. S. Abdul Jabbar, Coimbatore – For Environmental Clearance. (SIA/TN/MIN/40750/2019) dated 06.08.2019.

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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 Thiru. S. Abdul Jabbar, Coimbatore, Precise Area Communication was issued by the District Collector, Coimbatore vide Rc. No. 559/Mines/2018, Dated: 15.07.2019, for a period of 5 years. It is a fresh lease for Rough stone and Gravel quarry over an extent of 1.60.0ha in S.F.Nos. 107/1 (P) & 108/1 (P), at Andipalayam Village of Kinathukadavu Taluk, Coimbatore District.

2. Mining Plan / Scheme of Mining approved details:

- 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


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Mining, Coimbatore District vide Rc. No. 559 / Mines / 2018, Dated: 29.07.2019.

3. As per the Department of Geology and Mining, Coimbatore 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 1,63,445m³ and Gravel should not exceed 23,632m³
 - a. For First year - 31,030m³ of Rough stone and 8,840m³ of Gravel
 - b. For Second year - 30,915m³ of Rough stone and 7,448m³ of Gravel
 - c. For Third year - 30,780m³ of Rough stone and 7,344m³ of Gravel
 - d. For Fourth year - 35,600m³ of Rough stone
 - e. For Fifth year - 35,120m³ of Rough stone
4. The quarry operation is proposed up to a depth of 32m (2m Gravel and 30m Rough stone).
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench width.
6. Rough stone and gravel are to be transported by Tippers of 3 Nos. (20 T Capacity).
7. The project is locate at 10° 48' 51.68"N to 10° 48' 58.33"N latitude and 77° 05' 46.64"E to 77° 05' 49.80"E Longitude.
8. The total Manpower requirement is 28 Nos.
9. Total cost of the projects is Rs. 49.50 lakhs and EMP cost about Rs. 3.80 lakhs.
10. The Water table is found to be at the depth of 55m in summer and 50m in rainy season.
11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km
14. No National Park & Wild Life Sanctuary within the radius of 10km.


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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 within the radius of 10km
16. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
17. Letter obtained from the Assistant Director, Department of Geology and Mining, Coimbatore vide Letter RC. No. 559/Mines/2018 dated 29.07.2019, furnished the details of quarries situated in a 500 meter radial distance from the proposed area.
"In this connection it is informed that no other existing quarries are situated within 500 meters radial distance from the proposed rough stone and gravel quarry".

The SEAC noted the following:

1. The Proponent, Thiru. S. Abdul Jabbar has applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone and Gravel quarry lease over an extent of 1.66.0ha in S.F.Nos. 107/1 (P) & 108/1 (P), at Andipalayam Village of Kinathukadavu Taluk, Coimbatore 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 perusal of the details and the presentation, the SEAC decided to request the proponent to furnish the following details,

1. Letter from the AD/DD Mines about the details (Name of the Owner, S F No, Extent & distance from the boundary of this quarry) of other quarries (proposed/Existing/Abandoned quarries) within a radius of 500 m from the boundary of the proposed quarry site in the following format.

Sl.No.	Name of the Quarry Owner	Name of Village & Survey Number	Extent in Hectare	Distance from this proposed Quarry
a. Existing quarries				
1				
2				
b. Abandoned quarries				


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1				
2				
c. Proposed quarries				
1				
2				

2. proposed mitigation measures to control the fugitive emission and dust emission during mining operation and accordingly the proponent shall revise the EMP cost.

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

Agenda no. 137-02-20

(File/No. 7028/2019)

Proposed Rough Stone, Jelly and Gravel Quarry over an Extent of 2.47.5Ha in S.F.Nos.13/4(P), 14, 15/2F (P) and 16/3 (P) at Papankulam Village, Nanguneri Taluk, Tirunelveli District, Tamil Nadu by Tmt. W. Jansi Mary- For Environment Clearance.

(SIA/TN/MIN/

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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.W.Jansi Mary, Tirunelveli, Precise Area Communication was issued by the District Collector, Tirunelveli vide Rc.No.M1/26268/2018, dated 02.03.2019 for a period of 5 years. It is a fresh lease for Rough Stone, Jelly and Gravel Quarry over an Extent of 2.47.5Ha in S.F.Nos.13/4(P), 14, 15/2F (P) and 16/3 (P) at Papankulam Village, Nanguneri Taluk, Tirunelveli District.


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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.M1/26268/2018 Dated: 05.04.2019.

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 3,57,150m³ of Rough Stone, 36,320m³ of Weathered Rock and 38,808m³ of gravel formation.

YEAR	ROUGHSTONE (m3)	WEATHERED ROCK (m3)	GRAVEL (m3)
I	70125	28884	30576
II	71600	7436	8232
III	71450		
IV	71925		
V	72050		
TOTAL	357150	36320	38808

4. The quarry operation is proposed depth of 49m. (From + 97m RL to 48m 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 4Nos. (5/10T capacity).
7. The project is locate at 08°26'42"N to 08°26'50"N and Longitude 77°45'11"E to 77°45'17"E Longitude.

Toposheet Number: 58 H /10, 11, 14 & 15.

8. The total Manpower requirement is 20Nos. (Permanent:14, Temporary: 6)
9. Total cost of the projects is Rs.78,60,000/- (Including + Fixed Asset + EMP cost).
EMP cost about Rs.4,70,000/- lakhs.
10. The ground water table is at a depth of 69m to 66m BGL Hence.
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.


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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:

Koonthankulam Birds Sanctuary: 4.2 kms, Northern side from the lease area. The Eco-sensitive zone as per S.O 1930(E) dated 07.06.2019 of MOEF & CC ranges from 0.34 to 1.50kms around the Koonthankulam Birds Sanctuary. The lease area is 3.3 Kms from the boundary of ESA and as such the project does not attract clearance under Wild life protection Act – 1972(NBWL).



Kalakad Mundanthurai Tiger Reserve – 21.5Km 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. Protected Area, Eco Sensitive Zone & Eco Sensitive Area: Koonthankulam Birds Sanctuary: 4.2 kms, Northern side from the lease area. The Eco-sensitive zone as per S.O 1930(E) dated 07.06.2019 of MOEF & CC ranges from 0.34 to 1.50kms around the Koonthankulam Birds Sanctuary. The lease area is 3.3 Kms from the boundary of ESA and as such the project does not attract clearance under Wild life protection Act – 1972(NBWL).

17. No habitation within the radius of the 500m from the lease area as stated in the letter obtained from VAO, Papankulam Village, Nanguneri Taluk, Tirunelveli District.

18. Letter obtained from the Deputy Director, Department of Geology and Mining, Tirunelveli vide Letter Rc.No.M1/26268/2018 dated 24.05.2019 informed that the details of the existing, abandoned and proposed quarries within 500m radius from the proposed Rough Stone quarry as follows.


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Sl. No	Name of the quarry owner	Name of the Mineral	Taluk & Village	S.F.No & Extent	Quarry Details
I	Existing Quarry				
	NIL				
II	Abandoned Quarry				
1	V.Abraham, S/o.Vethanayagam, 35, Kovil Street, Parappadi, Nanguneri Taluk, Tirunelveli District.	Rough Stone	Tirunelveli District Nanguneri Taluk, Elankulam Village	1/1, 6/2A, 1/2A2 1.66.5Ha	Non Operative
III	Proposed Quarry				
1	Tmt.W.Jansi Mary, W/o.D.B.A.Koildurai, no.256/1-3, South Street, Anna Nagar, Ilanguam Village, Nanguneri Taluk, Tirunelveli District.	RoughStone, Jelly & Gravel	Tirunelveli District Nanguneri Taluk, Papankulam Village	13/4(P), 14, 15/2F(P) and 16/3(P), 2.47.5Ha	Proposed Quarry

The Total extent of the Existing / Proposed quarries are about (0 + 1) 2.47.5ha.

The SEAC noted the following:

1. The Proponent, Tmt. W. Jansi Mary has applied for Environment Clearance to SEIAA-TN for the Proposed Rough Stone, Jelly and Gravel Quarry over an Extent of 2.47.5Ha in S.F.Nos.13/4(P), 14, 15/2F (P) and 16/3 (P) at Papankulam Village, Nanguneri 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.
3. The SEAC noted that there are more number of other quarries located in the 500m radius from this project site boundary


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After perusal of the details and the presentation, the SEAC decided to request the proponent to furnish the following details,

1. The SEAC noted that there are more number of other quarries located in the 500m radius from this project site boundary. Hence the revised Letter from the AD/DD Mines about the details (Name of the Owner, S F No, Extent & distance from the boundary of this quarry) of other quarries (proposed/Existing/Abandoned quarries) within a radius of 500 m from the boundary of the proposed quarry site in the following format.

Sl.No.	Name of the Quarry Owner	Name of Village & Survey Number	Extent in Hectare	Distance from this proposed Quarry
d. Existing quarries				
1				
2				
e. Abandoned quarries				
1				
2				
f. Proposed quarries				
1				
2				

2. The proponent shall furnish the proposed mitigation measures to control the fugitive emission and dust emission during mining operation and transportation. Accordingly the EMP should be revised,

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


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Agenda no. 137-02-21

(File/No. 7064/2019)

Proposed Rough stone and Gravel quarry lease over an extent of 1.07.5Ha in S.F.Nos. 59/13, 59/14, 59/15, 59/16, 59/17, 59/18 & 59/19 at Brammadesam Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu by Thiru. R. Vadivel, Viluppuram – For Environmental Clearance

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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:


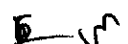
- a. The Quarry lease was applied in the name of Thiru. R. Vadivel, Viluppuram, Precise Area Communication was issued by the District Collector, Viluppuram vide R.c.No. B/G&M/336/2018, Dated: 04.06.2019 for a period of 5 years. It is a fresh lease for Rough stone and Gravel quarry for over an extent of 1.07.5Ha in S.F.Nos. 59/13, 59/14, 59/15, 59/16, 59/17, 59/18 & 59/19 at Brammadesam Village, Marakkanam Taluk, Viluppuram 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, Viluppuram District vide Rc. No. B/G&M/336/ 2018, Dated: 28.06.2019

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 71,510m³ and Gravel should not exceed 13,254m³

- a. For First year - 13,500m³ of Rough stone and 6,252m³ of Gravel


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- b. For Second year - 14,490m³ of Rough stone and 7,002m³ of Gravel
 - c. For Third year - 15,455m³ of Rough stone
 - d. For Fourth year - 13,320m³ of Rough stone
 - e. For Fifth year - 14,745m³ of Rough stone
4. The Quarry operation is proposed to carry out with open cast semi mechanized mining with 5.0m vertical bench width.
 5. The quarry operation is proposed up to a depth of 22m (2m gravel and 20m Rough stone).
 6. Rough stone and Gravel are to be transported by Tippers of 1 No. (20 T Capacity).
 7. The project is locate at 12°11'08.83"N to 12°11'13.02"N latitude and 79°45'38.89"E to 79°45'43.01"E Longitude.
 8. The total Manpower requirement is 18 Nos.
 9. Total cost of the projects is Rs. 19.89 lakhs and EMP cost about Rs. 3.80 lakhs.
 10. The Water table is found to be at the depth of 45m in summer and 40m in rainy season.
 11. Lease applied area is not covered under HACA region.
 12. No Coastal Regulation Zone (CRZ) within the radius of 10km.
 13. No Interstate boundary & Western Ghats Boundary within the radius of 10km
 14. No National Park & Wild Life Sanctuary within the radius of 10km.
 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, Brammadesam Village, Marakkanam Taluk, Viluppuram District dated 02.07.2019.


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18. Letter obtained from the Assistant Director, Department of Geology and Mining, Viluppuram vide Letter RC. No. B/(G&M)/336/2018 dated 07.06.2019, informed that the following quarries are situated within 500 meter radial distance from the area applied for the grant of Rough Stone and Gravel quarry lease.

Sl. No.	Name of the Quarry Owner	Name of the mineral	Taluk & Village	S.F. No.	Extent	Quarry Status
1.	D.Ramesh, S/o. Devaraj Gounder, Perumukkal Tindivanam Taluk, Villupuram District,	Rough Stone	Marakknam, Brammadesam	60/1, 61/5	1.60.0 0.74.5 <u>2.34.5</u>	Expired
2.	D.Ramesh, S/o. Devaraj Perumukkal Village & Post, Marakkanam Taluk, Villupuram District,	Rough stone	Marakkanam, Brammadesam	60/2	1.76.0	Existing
3.	M.Ranganathan, S/o. Muthu Gounder, Keelsiviri, Tindivanam Taluk, Villupuram District,	Rough Stone	Marakknam, Keelsiviri	62/4 62/5 63/1 63/4A1	0.91.0 0.15.0 0.52.0 1.45.5 <u>3.03.5</u>	Expired
4.	K.Kasinathan, S/o. Kupusamy, Nadu Street, Keelsiviri, Tindivanam Taluk, Villupuram District,	Rough Stone	Marakkanam T.Nallalam	80/3 80/6	0.32.5 1.15.5 <u>1.48.0</u>	Expired
5.	Thiru.R.Rasu, S/o. (late) Ramakrishna Gounder, Perumukkal village, marakkannam Taluk, Villupuram District	Rough stone	Marakkanam, Brammadesam	54/4A 54/5A 54/5B 56/1	0.72.5 0.03.5 0.09.5 0.43.5 <u>1.29.0</u>	Applied
				Total	9.91.0	

The SEAC noted the following:

1. The Proponent, Thiru. R. Vadivel has applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone and Gravel quarry lease over an extent

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of 1.07.5Ha in S.F.Nos. 59/13, 59/14, 59/15, 59/16, 59/17, 59/18 & 59/19 at Brammadesam Village, Marakkanam Taluk, 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

After perusal of the details and presentation of proponent, SEAC decided to request the proponent to following details,

The surrounding features of the project site and proposed mitigation measures to control the fugitive emission and dust emission during mining operation and transportation were found to be incomplete. Hence the SEAC called for re-presentation for the said project.


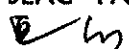
Agenda no: 137 – 2- 22

(File.No.7143/2019)

The Medical College & Hospital at Survey Numbers 37/5, 37/6, 38/2, 38/3, 38/4(part), 38/5, 38/6, 38/7, 38/9, 38/10, 38/11, 38/12, 38/13, 38/14, 38/15, 38/16, 38/17, 38/18, 38/19, 38/20, 38/21, 38/22, 38/23, 38/24, 38/25, 39/2, 39/3, 39/4A, 39/4B, 39/6, 39/7, 39/8, 39/9, 39/10, 39/11, 39/12, 40/2, 40/3, 40/4, at Kombadi Patti village S. No. 1/1A, 1/1B, 1/2, 1/3A, 1/3B, 1/4A, 1/4B, 1/4C, 1/4D, 1/4E, 1/5, 1/6A, 1/6B, 1/7, 1/8A, 1/8B, 1/8C, 2/2, 2/3C, 2/3D, 2/3E, 2/3F, 2/7, at Rakkipatti Village S. No. 10/1, 10/3A, 10/4A, 10/5A, 10/6 at Kadathru Agraharam Village, Salem Taluk, Salem District by M/s Annapoorana Medical College & Hospital– For Terms of Reference under violation (SIA/TN/NCP/22776/2018)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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 project site is located at 11°34'37.44"N latitude and 78° 2'13.81"E longitude
2. The total land area of the project is 156533.05 Sqm with built up area of 103374.17 Sqm., OSR 15661.33 Sqm Ground coverage 25644.04 sqm Road & pavements 20882.28 Sqm Green Belt 28500 Sqm Surface parking area 9036.5 Sqm, STP, Solid


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Waste Disposal and Other Utilities Area 1000 Sqm Vacant Area 55808.9 Sqm with expected population of 3767 Nos

3. The project consists of medical College (SF + GF + 3), Hospital block (SF + GF + 4), Boys Hostel (GF+3), Girls Hostel (GF+3), Animal House, Mortuary and Staff Quarters (64 Houses)
5. Water requirement Total water requirement is 740 KLD of which Total Fresh water requirement is 431 KLD and Recycled water is 309 KLD sourced from local body
7. The wastewater generation from the project is estimated to be about 482 KLD which will be treated in the proposed STP and effluent generated is 21 KLD which will be treated in ETP; the treated waste water was reused for toilet flushing, gardening, HVAC cooling and OSR maintenance.
8. Total waste estimated to be generated is as follows
 - Biodegradable Waste : 518 Kg/day
 - Non biodegradable Waste : 345 kg/day
 - STP Sludge : 50 Kg/day
 - Bio-medical waste : 1099 kg/day

The SEAC noted the following:



1. The Proponent, M/s Annapoorana Medical College & Hospital, Kancheepuram, has applied for Terms of Reference for Medical College & Hospital project at Survey Numbers 37/5, 37/6, 38/2, 38/3, 38/4(part), 38/5, 38/6, 38/7, 38/9, 38/10, 38/11, 38/12, 38/13, 38/14, 38/15, 38/16, 38/17, 38/18, 38/19, 38/20, 38/21, 38/22, 38/23, 38/24, 38/25, 39/2, 39/3, 39/4A, 39/4B, 39/6, 39/7, 39/8, 39/9, 39/10, 39/11, 39/12, 40/2, 40/3, 40/4, at Kombadi Patti village S. No. 1/1A, 1/1B, 1/2, 1/3A, 1/3B, 1/4A, 1/4B, 1/4C, 1/4D, 1/4E, 1/5, 1/6A, 1/6B, 1/7, 1/8A, 1/8B, 1/8C, 2/2, 2/3C, 2/3D, 2/3E, 2/3F, 2/7, at Rakkipatti Village S. No. 10/1, 10/3A, 10/4A, 10/5A, 10/6 at Kadathru Agraharam Village, Salem Taluk, Salem District by


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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.

The SEAC decided to recommend this proposal to SEIAA for considering issue of ToR in 3 parts as annexed –I for conducting the EIA study under Category "B" of Item 8(b) "Townships and Area Development projects " of the Schedule to the EIA Notification, 2006 subject to following Additional Terms of Reference:

- 1) Land use classification obtained from the CMDA/DTCP for the proposed Survey No.
- 2) Design adequacy report for STP from the reputed Govt. Institutions.
- 3) Record of bio-medical waste disposal & Hazardous waste Disposal for the existing facility.
- 4) The proponent shall furnish certificate from revenue authority to the effect that there is no encroachment on water bodies.
- 5) The proponent should treat the effluent generated from the laboratories, operation theatres and laundries separately and provide the dedicated ETP with separate RO system for the same. The ETP treated effluent should be reused back in the hospital for laundry purposes after ensuring no pathogens present in the treated effluent (RO Permeate). RO reject shall be disposed into elevated solar evaporation pan with adequate size.
- 6) Necessary NOC from PWD shall be obtained for inundation during flood period.
- 7) The Proponent shall strictly follow the guidelines issued by MOEF&CC for 8(b) Townships and Area Development projects for the preparation of EIA report.
- 8) The proponent shall conduct the EIA study and submit the EIA report for the entire campus along with layout and necessary documents "A" register and village map.


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Agenda no. 137-2-23

(File/No. 7156/2019)

Proposed Rough stone quarry lease over an extent of 2.02.5ha in S.F.No: 78/4 Valikandapuram Village, Veppanthattai Taluk, Perambalur District, Tamil Nadu by Thiru. V. Selvam – For Environmental Clearance.


(SIA/TN/MIN/43634/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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. Selvam, Precise Area Communication was issued by the District Collector, Perambalur vide Rc.No.62/Mines/2019, Dated: 29.08.2019 for a period of 5 years. It is a fresh lease for Rough stone quarry over an extent of 2.02.5ha in S.F.No: 78/4 Valikandapuram Village, Veppanthattai Taluk and Perambalur 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, Permbalur District vide Rc.No.62/G&M/2019, Dated: 18.09.2019.
3. As per the Department of Geology and Mining, Perambalur 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 1,39,800m³ and Topsoil should not exceed 17,640m³.
 - a. For First year - 27,775m³ of Rough stone and 12,190m³ of Topsoil.
 - b. For Second year - 30,825m³ of Rough stone.
 - c. For Third year - 37,950m³ of Rough stone.
 - d. For Fourth year - 29,950m³ of Rough stone.
 - e. For Fifth year - 13,300m³ of Rough stone.


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4. The quarry operation is proposed upto a depth of 42m (2m Topsoil + 40m 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 stone and Topsoil are to be transported by Tippers of 6 Nos. (10/20 T Capacity).
7. The project is locate at 11°19'42.06"N to 11°19'49.00"N latitude and 78°55'21.36"E to 78°55'26.42"E Longitude.
8. The total Manpower requirement is 22 Nos.
9. Total cost of the projects is Rs. 36.65 lakhs and EMP cost about Rs. 12.90 lakhs.
10. The Water table is found to be at the depth of 75m in summer and 70 in rainy season below ground level.
11. Lease applied area is not covered under HACA region.
12. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
13. No Protected Area, Eco Sensitive Zone & Eco Sensitive Area within the radius of 10km.
14. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Valikandapuram Village, Veppanthattai Taluk, Perambalur District dated 06.09.2019.
15. Letter obtained from the Assistant Director, Department of Geology and Mining, Perambalur vide Letter RC. No. 62/G&M/2019, dated 18.09.2019, details of existing quarries situated within 500m radial distance from the subject mines area furnished as follows,


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1) Existing other quarries:

Sl. No.	Name of the Owner	Taluk & Village	S. F. Nos.	Hects.,	Lease period
1.	NIL				

2) Proposed other quarries:

Sl. No.	Name of the Owner	Taluk & Village	S. F. Nos.	Hectares
1.	Thiru. V.Selvam, S/o.Velu, No.16, Periyannan Nagar, Mannachanallur Taluk, Tiruchirapalli District Tamil Nadu- 625 105.	Veppanthattai / Valikandapuram	78/4	2.02.5

3) Expired and abandoned quarries:

Sl. No.	Name of the Owner	Taluk / Village	S. F. Nos.	Hectares	Lease period
1.	NIL				

The SEAC noted the following:

1. The Proponent, Thiru. V. Selvam has applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone quarry lease over an extent of 2.02.5ha in S.F.No: 78/4 Valikandapuram Village, Veppanthattai Taluk, Perambalur 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.

After perusal of the details, the SEAC decided to recommend the proposal to SEIAA for issue of Environmental Clearance stipulated the following specific conditions in addition to the normal conditions:


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1. Ground water quality monitoring should be conducted every six month 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, nearby odai 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 laps of the mine as reported.
10. The CER amount of Rs. 0.733 Lakhs shall be spent for CER activities for developing the Gardening Maintenance in Valikandapuram Govt. School the nearby


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Thachakadu, Government School as committed as per Office Memorandum of MoEF& CC dated 01.05.2018 the above activity shall be carried out before obtaining CTO from TNPCB.

Agenda no. 137-02-24

(File/No.7006/2019)

Proposed Rough stone quarry lease over an extent of 2.02.0Ha in S.F.Nos. 34/1A, 34/2 & 34/3 at Padalur (East) Village, Alathur Taluk, Perambalur District, Tamilnadu by Thiru. V. Ramaraj – For Terms of Reference.

(SIA/TN/MIN/40591/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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. Ramaraj, Precise Area Communication was issued by the District Collector, Perambalur vide Rc.No. 145/G&M/2018 Dated. 18.12.2018 for a period of 5 years. It is a fresh lease for Rough stone quarry over an extent of 2.02.0Ha in S.F.Nos. 34/1A, 34/2 & 34/3 at Padalur (East) Village, Alathur Taluk, Perambalur 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 (i/c), Department of Geology and Mining, Perambalur District vide Rc. No. 145/G&M/2018 Dated: 01.02.2019.
3. As per the Department of Geology and Mining, Perambalur 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 1,88,600m³ and Topsoil should not exceed 3,927m³.

- a. For First year - 38,250m³ of Rough stone & 2,640m³ of Topsoil.


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- b. For Second year - 40,850m³ of Rough stone & 1,287m³ of Topsoil.
 - c. For Third year - 39,000m³ of Rough stone
 - d. For Fourth year - 34,400m³ of Rough stone.
 - e. For Fifth year - 36,100m³ of Rough stone.
4. The quarry operation is proposed upto a depth of 28m (3.0m Topsoil + 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 stone and Topsoil are to be transported by Tippers of 3 Nos. (10 T Capacity).
 7. The project is locate at 11°06'58.29"N to 11°07'04.48"N latitude and 78°51'12.33"E to 78°51'16.82"E Longitude.
 8. The total Manpower requirement is 16 Nos.
 9. Total cost of the projects is Rs. 45.42 lakhs and EMP cost about Rs. 8.00 lakhs.
 10. The Water table is found to be at the depth of 75m in summer and 70 in rainy season below 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 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, Padalur (East) Village, Alathur Taluk, Perambalur District.
 17. Letter obtained from the Deputy Director, Department of Geology and Mining, Perambalur vide Letter RC. No. 145/G&M/2018, dated 09.07.2019, details fo existing quarries situated within 500 mts radial distance from the subject mines are furnished as follows.


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I. Details of existing quarries:

Sl. No.	Name of the lease / applicant	Taluk & Village	S. F. No.	Extent (in hecets)	Minerals	Lease period
----- Nil -----						

II. Details of lease period expired / abandoned Mine:

Sl. No.	Name of the lease / applicant	Taluk & Village	S. F. No.	Extent (in hecets)	Minerals	Lease period
1.	Thiru. V. Srinivasan	Padalur (East) & Alathur	28/3 (1.21.5), 28/4 (1.21.5), 29/1 (0.50.5), 29/2 (1.21.5) and 29/4 (1.21.5)	5.36.5	Rough Stone & Gravel	Rough stone 02.03.2006 to 01.03.2011 Gravel 02.03.2006 to 01.03.2009

III. Details of Proposed Mine:

Sl. No.	Name of the lease / applicant	Taluk & Village	S. F. No.	Extent (in hecets)	Minerals	Lease period
1.	C. K. Ravichandran S/o. C. Kulandaivel, No. 21 & 22, Bharathi Nagar Extension, Bharathidasan Nagar, Puthur, Trichy – 620017	Padalur (East) (V) & Alathur (TK)	29/1, 29/3 (P), 29/4 (P), 33/1, 33/2 (P)	3.87.0	Rough Stone	----

The Total extent of the Existing / Proposed quarries are about (1 + 3) 5.89.0ha

The SEAC noted the following:

1. The Proponent, Thiru. V. Ramaraj has applied for Terms of Reference to SEIAA-TN for the Proposed Rough stone quarry lease over an extent of 2.02.0Ha in S.F.Nos. 34/1A, 34/2 & 34/3 at Padalur (East) Village, Alathur Taluk, Perambalur District, Tamilnadu.


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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 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 shall be submitted along with EIA report.
8. The spot level and contour level 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 conducts Hydrology study report from recognised Anna University, IIT, etc. and furnished the 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.


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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. 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. 137-02-25

(File/No.6717/2019)

Proposed Lime Kankar quarry lease over an extent of 23.29.0Ha in S.F.Nos. 109/1, 2A & 2B at Maravarperungudi Village, Aruppukottai Taluk, ~~Virudhunagar~~ District, Tamilnadu by M/s Ramco Cements Limited – For Terms of Reference.

(SIA/TN/MIN/36737/2019)

The proposal was placed in this 137th SEAC Meeting held on 18.09.2019. 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

M/s. The Ramco Cements Limited (RCL) as applied to Grant the Quarry Lease **for quarrying Lime Kankar and Clay (Others)** over an extent of **23.29.0 Ha** in Maravarperungudi village, Aruppukottai Taluk, Virudhunagar District of Tamil Nadu State. Subsequently, **Precise Area Communication (PAC)** has been issued by the Tamil Nadu State Industries Department vide Letter No/14546/MMC.2/2016-1 dated 21.04.2017 **for a period of 5 years**. As per IBM (Year Book 2017; Part III; 56th Edition; March 2018), Clay under **Clay (Others) Category** includes Aluminous, Ferruginous and tile & brick making clays.

The area covered under mining is non-forest type. The entire area applied for Quarry Lease is patta land owned by RCL. There is **no Rehabilitation & Resettlement (R&R) issue** due to the proposal. There is **no litigation/pending case** against the proposal.

The **Mining Plan has been approved** by the Department of Geology & Mining, Govt. of Tamil Nadu, Chennai vide Letter No. 7011/MM10/2016/LK/Vnr, dated 10.05.2018. As per the Approved Mining Plan, the proposed production of Lime Kankar & Clay (Others) from this Lease by **Strip Mining** would be about **0.254 Million Tonnes per Annum (MTPA) Lime Kankar and Clay (Others) 0.011 MTPA**.


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In the total QL area of 23.29.0 Ha, about **19.25.0 Ha is only available for effective mining** after leaving the prescribed safety barrier of about 4.04.0 Ha. It is estimated that 5,29,375 Tonnes of Lime Kankar and 4,76,438 Tonnes of Clay (Others) are mineable from the estimated In-situ Geological Resources of 6,40,475 Tonnes Lime kankar and 5,76,428 Tonnes of Clay (Others). Recovery factor of Lime Kankar is considered to be 45%.

Non-Conventional Mechanized Opencast Strip Mining, without Drilling and Blasting, with deployment of heavy earth moving machineries of low HP, will be adopted. The average depth of over burden black cotton soil is 1.5 m. **The maximum depth of the Mine will be of 3.0 m only.**

It is calculated that about 4,76,438 Tonnes of over burden soil will have to be removed as Overburden (OB) in the Plan Period to win 2,38,219 Tonnes of Lime Kankar. The ratio of Ore to OB works out to be 1: 0.9. About 23,000 Tonnes of OB will be utilized in the Mining Plan Period for cement manufacturing and balance OB will be refilled simultaneously. The mineral reject of 2,91,156 T will be dumped separately on the mineral exhausted area within the quarry lease.

Mine Profile :

Lime Kankar Resources	:	0.529 Million Tonnes
Proposed Max. Production	:	0.254 MTPA
Ore : OB Ratio	:	1: 0.9
Life of the Mine	:	5 years
No. of working days/annum	:	300 (2 shifts)
Pit Configuration	:	20 m x 8 m strips
Bench height	:	-
Bench width	:	-
Bench slope	:	-
Ultimate Pit Limit-Conceptual	:	3 m (bgl); Top RL 62 - 61 m & Bottom RL 59 - 58 m
Ground Water-table at	:	20 m bgl (Post monsoon) & 25 m (Premonsoon) 42 m RL (Post monsoon) & 37 m RL (Pre monsoon)

Mining will not intersect the ground water-table.


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RCL is proposing to establish a **Wet Beneficiation Plant at Pandalgudi** for the ROM Kankar from the Quarry Leases to reduce the Silica Content and enhance the quality of ROM Kankar in meeting the cement plants quality requirement. Till the Wet Beneficiation Plant is commissioned, the existing practice of simple Dry Screening as in Maravarperungudi Mines will be continued to screen-off the interstitial Clay. After screening, the product material will be dispatched to Pandalgudi Crusher for further processing. The screened reject will be separately stacked in the mine itself.

RCL has its own black top road from existing Kankar Mines nearby to Pandalgudi Crusher. The same road will be extended to this Lease for transport of the Minerals.

As it is a shallow mining upto a depth of 3.0 m BGL and simultaneous refilling is proposed, **there will not be any water seepage or water harvesting in the Mine Pit.**

The mine requires about 2 cu.m/day drinking water for domestic consumption which will be supplied from the RO Plant at Pandalgudi Mine. Domestic sewage generation will be about 1.8 cu.m/day which will be biologically treated in a Septic Tank followed by a Dispersion Trench. **No workshop** is proposed and thus, **no effluent generation** from the Mine.

The Mine will also require about 2 cu.m/day for Dust suppression Haulage Road and another 16 cu.m/day for the development of Green Belt. The required water will be sourced from existing Captive Mine Pits in Pandalgudi Region.

Out of the total area of Quarry Lease (23.29.0 Ha.), Green Belt and Afforested Area will be about 9.00.0 Ha with **38.64 % coverage** at Conceptual Stage.

The capital cost of the Project is Rs.0.90 crores. An amount of **Rs.4.00 Lakhs** has been earmarked as **Capital EMP Budget** and **Rs.3.00 Lakhs per Annum** is the **Operating Cost**


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towards EMP measures, Green Belt maintenance, Environmental Monitoring, etc. Also, an amount of Rs.1.00 Lakhs per Annum has been earmarked for Occupational Health & Safety Measures. A budget of 2% of the Project Cost will be allotted as **CER Budget**. In addition, for the mandatory **District Mineral Federation (DMF) @ 10% of Royalty Amount** will also be contributed.

The Maravarperungudi Lime Kankar Quarry Lease-II is located in Maravarperungudi village between the Coordinates 09° 23' 43" N to 09° 24' 00" N Latitudes and 78° 09' 37" E to 78° 10' 05" E Longitudes (Survey of India Topo sheet No. 58 K/3).

Though, the Quarry Lease shares the southern and eastern boundaries with RCL's proposed Maravarperungudi Lime Kankar Quarry Lease-III in **Cluster**, **RCL decides to put on hold the commencement of Quarry Lease-III activities still it executes and completes Quarry Lease-II quarrying** in 2-3 years as Lime Kankar from QL-II is very crucially required for RR Nagar Cement Plant Raw Mix blending.

The site is free from seismic effects (Seismic Zone III). There is no environmental issue about the Mines location. There are **no eco sensitive areas like National Parks, Wildlife Sanctuaries, Biosphere Reserves, Reserved Forests, Elephant Corridor, Mangroves, Archaeological/Historical Monuments, Heritage sites, etc. within 10 km from the site boundary**. The distance of the nearest village Koppuchitampatti (in northwest) is at about 1.1 km and Maravarperungudi (in east-southeast) is about 1.3 km from the Lease boundary.

With Precise Area Notification and approved Mining Plan for the Lease, RCL has to apply and obtain the Environmental Clearance for the Lease for the Grant of Quarry Lease and for execution of the Lease.

The Lime Kankar and Clay (Others) to be mined out from this Quarry are Minor Minerals in an extent of 23.29.0 Ha (<25 Ha) and falls in Category B of Sl. No. 1(a) of EIA


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Notification 2006, as amended for prior Environmental Clearance (EC) from SEIAA-TN. Thus, RCL had applied for prior EC on 31.01.2019 and Online Proposal No. is SIA/TN/MIN/93587/2019. However, the Authority has sought EDS, returned the Proposal on 24.04.2019 and directed us to apply for TOR in compliance with NGT Order. As directed, RCL is again submitting the TOR Application along with Form-1, Project Feasibility Report, EMP, Approved Mining Plan and DSR to the Authority.

The SEAC noted the following:

3. The Proponent **M/s Ramco Cements Limited** has applied for Terms of Reference Proposed Lime Kankar quarry lease over an extent of 23.29.0Ha in S.F.Nos. 109/1, 2A & 2B at Maravarperungudi Village, Aruppukottai Taluk, Viruthunagar District.
4. 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 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 quarry and the crusher.
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.


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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 conducts Hydrology study report of impact of mining on the surface water & ground water Hydrology from recognized Anna University, IIT, etc. and furnished the 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. The EIA study report shall include the surrounding mining activity, if any.
17. Modeling 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.


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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).

Agenda no. 137-2- 26

(File/No.7024/2019)

Proposed Rough Stone and Gravel Quarry over an Extent of 1.84.5Ha in S.F.No. 99/3, 99/4, 99/5, 99/6, 99/7 & 99/8 (Patta land) at Konganakurichi Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. R. Tamilselvan – for Environment Clearance. (SIA/TN/MIN/39728/2019)

The proposal was placed in the 137th SEAC Meeting held on 18.09.2019. 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.Tamilselvan, Virudhunagar. Precise Area Communication was issued by the the District Collector, Virudhunagar District vide his letter KV 1/903/2018-MINES , dated 01.06.2019. It is a fresh lease for Rough Stone and Gravel Quarry over an Extent of 1.84.5Ha in S.F.No. 99/3, 99/4, 99/5, 99/6, 99/7 & 99/8 (Patta land) at Konganakurichi Village, Aruppukottai Taluk, Virudhunagar District.

2. Mining Plan / Scheme of Mining approved details:


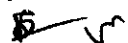
- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approved by the Deputy Director of Department of Geology and Mining, Virudhunagar vide letter KV 1/903/2018-MINES dated 01.07.2019.


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3. As per the Department of Geology and Mining, Virudhunagar District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of 189230m³ of Rough Stone, 66830 of Gravel and 13366m³ of Earth.

YEAR	EARTH (m ³)	GRAVEL (m ³)	ROUGHSTONE (m ³)
I	4510	22550	27300
II	4510	22550	27300
III	4346	21730	27760
IV	--	-	51630
V	-	-	55240
TOTAL	13366	66830	189230

4. The quarry operation is proposed depth of 36m (from + 101m RL to 65m RL).
5. The Quarry operation is proposed to carry out with open cast semi mechanized mining with bench height of 5m & 5m width is considered.
6. Rough stone and Gravel are to be transported by Tippers of 6 Nos. (10T capacity).
7. The project is locate at 09°28'36.8"N to 09°28'40.9"N and Longitude 78°10'36.3"E to 78°10'42.6"E Longitude.
Toposheet Number: 58/K-2,3,6,7
8. The total Manpower requirement is 18 Nos.
9. Total cost of the projects is Rs. 3,24,42,260/- (Including Operational + Fixed Asset + EMP cost). EMP cost about Rs.8,00,000/- (Capital + Recurring Cost)
10. The ground water table is at a depth of 40m (Post monsoon) to 45m (Post monsoon).
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.


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13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. **Wild Life Sanctuary:** Nil within 10km Radius
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. Letter obtained from the Deputy Director, Department of Geology and Mining, Virudhunagar vide Letter Roc.No.KV1/903/2018 dated 01.09.2018 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 Owner	Village	S.F.No.	Extent	Lease Period	Remarks
I).Existing Other Quarries						
Nil						
II). Proposed Area						
1	Rough stone & Gravel quarry of Thiru. R.Tamilselvan	Aruppukottai taluk, Konganan kurichi village	99/3,4,5, 6,7,8	1.84.5	5 years	Proposed quarry (Present Application)
III).Lease Expired and Abandoned Quarries						
Nil						

The Total extent of the Existing / Proposed quarries are about 1.84.5ha.


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The SEAC noted the following:

1. The Proponent, Thiru. R. Tamilselvan has applied for Environment Clearance to SEIAA-TN for the Proposed Rough Stone and Gravel Quarry over an Extent of 1.84.5Ha in S.F.No. 99/3, 99/4, 99/5, 99/6, 99/7 & 99/8 (Patta land) at Konganakurichi Village, Aruppukottai Taluk, Virudhunagar 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.


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 month and the report shall 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 water bodies surrounding 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 wherever 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


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(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 mine activity is lapsed as reported.
11. The proposal for CER shall be furnished with time frame as per Office Memorandum of MoEF & CC dated 01.05.2018.


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