

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the 162nd Meeting of the State Expert Appraisal Committee (SEAC) held on 01st July 2020 (Wednesday) for Appraisal of Building and Construction Projects, Townships, and Area Development projects & Mining projects conducted through video conferences.

Agenda No: 162-01

File No: 6299/2017

Environmental Clearance for the Construction of Hotel and Restaurant Building by Mr. P. Rajendran located at Survey Nos. 205/1B8, 205/1C2, 205/2B, 205/3A2, & 205/3C Vandalur (Madhura Otteri) Village, Chengalpattu Taluk, Kancheepuram District.

(SIA/TN/NCP/62260/2017)

The proposal was placed in the 143rd SEAC Meeting held on 03.02.2020. 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 total land area of project is 7,619 sq.m with total built up area is 31,222 sq.m
2. The project is located at 12° 52'52.58"N Latitude, 80° 4'52.84"E Longitude
3. The project comprises of Hotel and Restaurant Building comprising of Block A (G + 3 Floors), Block B (G + 1 to 3 floors + Service floor + 4 to 9 Floors + Service floor) with a Combined 3 levels of Basement Floor for Block A & B and Block C (B+G+2 Floors)
4. The expected number of occupancy in the project is 4,256 Nos.
5. The daily fresh water requirement is 210 kLD for domestic purpose including swimming pool top-up will be sourced through Local body/ Tankers supply. The waste water of 277 kLD generated is treated through 300 kLD capacity STP Plant (Fluidized Aerobic Bio Reactor (FAB) Process) resulting in 264 kLD of treated

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sewage in which 68 kLD is used for flushing, 4 kLD for Greenbelt Development and 192 kLD for HVAC Purpose

6. Green belt area is reported to be 1,143 Sq.m with 98 nos. of native tree species.
7. Total parking area is reported to be 2,752 m² for facilitating 168 Nos. of car parks & 362 number of two-wheeler parks
8. Power requirement is reported to be 3,000 kVA of which will be sourced from TNEB grid .Back-up power supply is through 2 nos. of 500 kVA, 1 no of 750 kVA and 1 no. of 1250 kVA capacities proposed with stack height of 24 m (for 1250 kVA), 22 m (for 750 kVA) & 21m (for 500 kVA) DG above the ground level.
9. The runoff from the project site harvested through collection sumps of 100 kLD capacity.
10. Total waste estimated to be generated is 1,361 kg/day in which 800 kg/day is Biodegradable waste, which will be treated in organic waste convertor (OWC) within the project site and then used as manure for gardening purpose within project site. The non-biodegradable waste of 533 kg/day will be sent to recyclers. The STP Sludge of 28 kg/day will be treated in OWC along with Biodegradable Waste after dewatering and drying process.

The SEAC noted the following:

1. The Proponent, Mr. P. Rajendran has applied for EC to SEIAA-TN for the proposed construction of Hotel and Restaurant Building located at Survey Nos. 205/1B8, 205/1C2, 205/2B, 205/3A2, & 205/3C Vandalur (Madhura Otteri) 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.

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

1. Air quality modelling study shall be conducted considering the existing developments surrounding environment to the project site and report shall be furnished along with date and period of monitoring covering all side of the project, Traffic and fugitive emissions and rates, meteorological data measurements and modeling domain
2. The proponent shall submit proposal/action taken report to ensure that no natural water bodies located inside and nearby the proposed area are affected.
3. Storm water drainage plan shall be designed for the project area and the same shall be submitted.
4. The proponent should furnish the layout plan showing the green belt area with dimensions & GPS (Global Positioning System) co-ordinates of areas allocated for green belt and shall be provided along with the EIA report.
5. The Project Proponent shall furnish land use classification of the project site.
6. The permission/NOC for the water supply from TWAD/competent authority for the supply of 210kLD
7. Vandaloore Zoo at a distance of 33m, and hence no objection certificate (NOC) shall be furnished from Forest Department.

On receipt of aforesaid details, the SEAC decided to make an on - the - spot inspection and decide the further course of action.

The project proponent has submitted the above said details to SEIAA on 20.03.2020.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19),

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After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Marimalai Nagar has inspected the site on 12.06.2020 and submitted the report vide Lr.No.DEE/TNPCB/MMN/RL/SEAC-EC/2020 dated 12.06.2020.

The inspection report along with the project proponent reply was placed in this 162nd SEAC meeting held on 01.07.2020. After detailed deliberations, SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions:

1. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
2. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
3. The proponent has to prepare the layout out plan to be submitted for CMDA/DTCP approval in which earmarked the greenbelt area with dimension and GPS

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coordinates for the green belt area all along the boundary of the project site as submitted to SEIAA.

4. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in nearby water bodies, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
5. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
6. The height of the stack of DG sets shall be provided as per the CPCB norms.
7. The project proponent shall continuously operate and maintain the Sewage treatment plant to achieve the standards prescribed by the TNPCB/CPCB.
8. The project proponent has to provide separate standby D.G set for the STP proposed for the continuous operation of the STP in case of power failure.
9. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
10. All the term and conditions imposed in the PWD technical report along with the inundation point of view vide Lr.No.DB/T5(3)/F-I-Vanalur 011329 2017/2017/M/17.10.2019 should be strictly followed.
11. The conditions imposed in the Tamil Nadu Forest Department vide C.No.T54/6741/2018 dated 03.12.2018 should be strictly followed.
12. The proponent shall spend the CER amount of Rs. 139 Lakhs as per the office memorandum of MoEF& CC dated 01.05.2018. In which, Rs. 109 lakhs shall be spend for the lake development near the project area and Rs. 30 lakhs for the Improvement of School Infrastructure sanitation facility, Drinking Water treatment

plant & Solar Lighting activities for the Government Highschool, vandalur as proposed by the proponent, before obtaining the CTO from the TNPCB.

Agenda – 162-02

File No.7096/2019)

Proposed Brick Earth quarry over an extent of 1.16.0 Ha in S.F.No. 687/1, 697/1C3, 697/1C4, 697/1D1, 697/1D2 & 697/1D3 at Kothur Village, Natrampalli Taluk, Vellore District. Tamil Nadu by Thiru.D.Thirupathi, - For Environmental Clearance.

(SIA/TN/MIN/126788/2019)

The proposal was placed in the 140th SEAC Meeting held on 10.12.2019. 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.Thirupathi, Vellore, Precise Area Communication was issued by the District Collector, Vellore, vide Rc.No.251/2018/Mines, Dated: 19.02.2019 for a period of 1 year. It is a fresh lease for Brick Earth quarry over an Extent of 1.16.0 Ha in S.F.No. 687/1, 697/1C3, 697/1C4, 697/1D1, 697/1D2 & 697/1D3 at Kothur Village, Natrampalli Taluk, Vellore District.
2. Mining Plan / Scheme of Mining approved details:
 - a. The Mining plan was prepared for the period of 1 year. The mining plan was got approval from the Deputy Director, Department of Geology and Mining, Vellore District vide Rc.No. 251/2018/Mines, Dated: 25.04.2019.
3. As per the Department of Geology and Mining, Krishnagiri District. Mining Plan approval for the 1 year, the production schedule for 1 year states that the total quantity of Brick earth should not exceed 8,544 m³.
 - a. For First year - 8,544m³ of Brick Earth.

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4. The quarry operation is proposed up to a depth of 1m (Below Ground Level)
5. The quarry operation involves opencast mining method will be adopted
6. Brick Earth is to be transported by using Tippers of 1 Nos. (10/20 T Capacity).
7. The project is located at 12°36'52.59" N to 12°36'54.53" N Latitude and 78°27'26.28" E to 78°27'26.45" E Longitude.
8. The total manpower requirement is 8 Nos.
9. Total cost of the projects is Rs. 11 lakhs and EMP cost about Rs. 1 lakh.
10. The water table is found to be at the depth of 40m.
11. Lease area applied is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) is located within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. No National Park & Wild Life Sanctuary is located within the radius of 10km from the lease area.
15. No critically polluted area as notified by the Central Pollution Control Board Constituted under Water (Prevention and Control of Pollution) Act 1974 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, Vellore vide Letter RC. No. 251/2018(Mines), dated 22.08.2019 informed that the details of the existing and abandoned quarries within 500m radius from the proposed Brick Earth quarry as follows.

1) Existing other quarries:

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

2) Proposed Area:

S. No.	Name of the applicant	Village & Taluk	S. F. No.	Extent	Remarks
1.	Thiru.D.Thirupathi S/o. Dasan No.111/(1),BoopathiGoundar Street, Natrampalli Village, Thirupathur Taluk, Vellore District.	Kothur Village, Natrampalli Taluk, Vellore District	687/1,697/C3,697/IC4, 697/1D1, 697/1D2 & 697/1D3	1.16.0	Applied area

3) Lease Expired:

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

The Total extent of the Existing / Proposed quarries are about (1.16.0) = 1.16.0Ha

The SEAC noted the following:

- The Proponent, Thiru.D.Thirupathi, has applied for Environment Clearance to SEIAA-TN on for Brick Earth quarry over an Extent of 1.16.0 Ha in S.F.No. 687/1, 697/1C3, 697/1C4, 697/1D1, 697/1D2 & 697/1D3 at Kothur Village, Natrampalli Taluk, Vellore District, Tamil Nadu.

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

After the detailed presentation, the SEAC noted that there are agricultural fields located adjacent to the project site, The SEAC decided to make an on - the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Based on the inspection report, SEAC would further deliberate on this project and decide the further course of action.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Vanyiambadi has inspected the site on 17.06.2020 and submitted the report vide Lr.No.DEE/TNPCB/VBD/EC/2020 dated 18.06.2020.

The above said inspection report was placed in this 162nd SEAC meeting held on 01.07.2020. After detailed deliberations, SEACdecided to recommend the proposal for

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grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions:

- 1.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which might have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 2.Proper barrier for reducing the Noise level due to transport and to combat the dust pollution 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 not affect the agriculture activities & water bodies near the project site.
4. The transportation of the mined-out product should not disturb the tank bund structures and channel course.
5. The project proponent shall undertake plantation/afforestation work by planting the native species on all sides of the tank bunds.
6. Floor of excavated pit should be levelled and sides to be sloped gently in the mine closure phase.
7. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
8. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.

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9. 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.

10. 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).

11. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of mining operation.

12. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.

13. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wild life as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance.

14. The amount of Rs. 22,000/- (2% of the total project cost) shall be utilized as CER activities to carry out the development of the Toilet Facilities & Drinking Water Facilities for Veppilai Village Government School as reported before obtaining the CTO from TNPCB.

15. The quarrying activity should not have any impact over the adjacent agricultural activity during crop season.

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16.Safety distance of 10m in the northern side should be given from the boundary of the project site, as there is a channel flowing from north to south direction from the proposed mine lease area.

Agenda No: 162-03

(File No. 7009/2019)

Proposed Grey Granite quarry lease over an extent of 3.38.5 Ha in S.F.Nos 48/2D1(P), 482E1, etc., of Pasinayanapalli Village, Bargur (formerly Krishnagiri) Taluk, Krishnagiri District the state of Tamil Nadu by Thiru. R. Palaksha– for Environment Clearance.

(SIA/TN/MIN/39149/2019) dated: 12.07.2019

The Essential features of the projects are as follows:

1. Government order/ Lease details:

The Proponent Thiru.R.Palaksha, lease has been granted for quarrying of Grey Granite quarry lease over an extent of 3.38.5 Ha in S.F.Nos 48/2D1(P), 482E1, etc., of Pasinayanapalli Village, Bargur (formerly Krishnagiri) Taluk, Krishnagiri District, Tamil Nadu vide G.O. (3D). No. 19, Industries (MME-2) Department dated 21.11.2013 for a period of Twenty years. The Lease deed was executed on 23.12.2013 and the lease is valid up to 22.12.2013.

2. Mining Plan/Scheme of Mining approval details:

The Mining plan (2013-14 to 2017-18) was approved by the Commission of Geology and Mining (i/c), Guindy, Chennai vide letter No. 2835/MM5/2013, dated 04.07.2013.

The First Scheme of Quarrying was prepared and submitted for the period of 2018-19 to 2022-23 and approved by the Department of Geology and Mining, Guindy, Chennai vide Rc. No. 8348/MM5/2018, dated 17.12.2018.

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

Year	Proposed			Achieved
	ROM (m ³)	Production (m ³)	Recovery in %	Production (m ³)
2013-14	5024	1004	20	Nil
2014-15	6992	1398	20	887.577
2015-16	7392	1478	20	1199.043
2016-17	7392	1478	20	1135.636
2017-18	7392	1478	20	701.689
Total		6836		3923.945

3. Environmental Clearance obtained from the State Level Impact Assessment Authority (SEIAA-TN) for quarrying of Grey Granite over an extent of 3.38.5 Ha in S.F.Nos 48/2D1(P), 482E1, etc., of Pasinayanapalli Village, Bargur (formerly Krishnagiri) Taluk, Krishnagiri District vide Lr. No. SEIAA-TN/F. No. 1496/EC/1(a)/888/2013, dated 12.11.2013 for the production of 6,836m³ of Granite and 78,956m³ of Topsoil & overburden over a period of 5 years.
4. As per the Scheme of Quarrying for the years 2018-19 to 2022-23, production schedule for year's states that the total volume of recoverable as 30% of Grey Granite should not exceed 18,512m³.
 - For 2018-19 - 3,722 m³
 - For 2019-20 - 3,690 m³
 - For 2020-21 - 3,660 m³
 - For 2021-22 - 3,600 m³
 - For 2022-23 - 3,840 m³
5. The waste that will be resulting in the quarrying operation for the 5 years 2018-19 to 2022-23 will be 43,196m³ (70% of Granite Waste) and Topsoil – 42m³. The

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total quantity of Waste will be dumped within the lease area and Topsoil of dumped along the boundary barriers for afforestation purpose.

6. The quarry operation is proposed upto a depth of 22m (2m Topsoil and 20m Grey Granites) for the present scheme period (2018-19 to 2022-23).
7. Quarrying Operation will be done by Opencast Semi Mechanised method with Diamond Wire Saw cutting.
8. Granite is to be transported by tippers of 2 Nos. (20 T capacity).
9. The project is locate at 12°27'35.66"N to 12°27'45.70"Nlatitude and 78°21'43.14" E to 78°21'49.04" ELongitude.
10. The total Manpower requirement is 33 Nos.
11. Total cost of the projects is Rs. 3.057Crores and EMP cost about Rs. 10.29 lakhs.
12. The Water table is found to be at the depth of 50m in summer and 45m in rainy season below 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. No habitation within the radius of the 300m from the lease area.
20. Letter obtained from the Deputy Director, Department of Geology and Mining, Krishnagiri vide Letter RC. No. 355/2015/Mines-1, dated 4.01.2019 informed that

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the details of quarries within 500mts. Radial distance from the said quarry are furnished as follows.

Sl. No.	Name of the lessee	Village	S. F. No.	Extent in Hect.	G.O. No. & Dated	Lease period	Name of the Mineral
1.	Thiru. R. Palaksha, S/o. Ramareddy, LakshmiSagar Village, Neraiur post, AnekalTaluk, Bangalore District, Karnataka State.	Bargur Taluk, Pasinaya nazpalli	48/2 d1	3.38.5	G.O. (3D). No. 19 Industries (MME-2) Department, dated 21.11.2013	23.12.2013 to 22.12.2013	Grey Granite

The SEAC noted the following:

1. The Proponent, Thiru. R. Palakshahas applied for Environmental Clearance to SEIAA-TN for the Proposed Grey Granite quarry lease over an extent of 3.38.5 Ha in S.F.Nos 48/2D1(P), 482E1, etc., of Pasinayanapalli Village, Bargur (formerly Krishnagiri) Taluk, Krishnagiri District, Tamil Nadu
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining of Mineral Projects” of the Schedule to the EIA Notification, 2006.

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

1. The project proponent shall furnish photographs showing fencing provided around the project site for the safety of animals and men
2. The project proponent shall furnish photographs showing Green belt development in the project site

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3. The unit shall furnish the compliance report, CTO and latest CTO renewal copy for EC already obtained for the project site.
4. The project proponent has not furnished the letter obtained from AD/DD mines in terms of Existing quarries/ abandoned quarries/ Present Proposed quarries/ Future Proposed quarries. Hence, the SEAC decided that the project proponent may get the following information from the AD/DD Mines, in the following 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				
2				
b. Abandoned quarries				
1				
2				
c. Present Proposed quarries				
1				
2				
d. Future Proposed quarries				
1				
2				
Total extent				

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The project proponent is requested to submit the aforesaid details to SEIAA-TN. On receipt of above details (Sl.No. 1 to 4) from the project proponent, SEAC decided to make an on - the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC. Based on the inspection report and the data furnished for S.No. 1 to 4 stated above, SEAC would further deliberate on this project and decide the further course of action.

The project proponent has submitted the above said details to SEIAA on 20.03.2020.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Hosur has inspected the site on 16.06.2020 and submitted the report vide Lr.No.F.HSR 1822/RS/DEE/TNPCB/HSR/EC/2020 dated 18.06.2020.

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The proposal along with the inspection report was placed in this 162nd SEAC meeting held on 01.07.2020. After detailed deliberation, SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions

1. Groundwater level and quality should be monitored once in six months in few wells around the quarry and the record should be maintained and annual report should be submitted to the TNPCB.
2. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which might have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
3. Proper barrier for reducing the Noise level due to transport and to combat the dust pollution 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.
4. The operation of the quarry should not affect the agriculture activities & water bodies near the project site.
5. The transportation of the mined-out product should not disturb the tank bund structures and channel course.
6. The project proponent shall undertake plantation/afforestation work by planting the native species on all sides of the tank bunds.
7. Floor of excavated pit should be levelled and sides to be sloped gently in the mine closure phase.

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8. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
9. The Project Proponent shall comply with 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 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).
12. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of mining operation.
13. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.
14. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wild life as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance.
15. The amount of Rs. 6.31 (2% of the total project cost) shall be utilized as CER activities to carry out the development of the Toilet Facilities & Drinking Water Facilities for PasinayanapalliVillage Government School as reported before obtaining the CTO from TNPCB.

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Agendano:162-04

(FileNo.7056/2019)

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

(SIA/TN/MIN/40940/2019)

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

1. Government Order / Lease details:

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

2. Mining Plan / Scheme of Mining approved details:

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

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

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

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

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

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

1) Existing other quarries:

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

2) Proposed Area:

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

3) Lease Expired:

S. No.	Name of the Lessee / Permit Holder	Village & Taluk	S. F. No.	Extent	Lease period	Remarks
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Member Secretary
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Chairman
SEAC-TN

 NIL
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The Total extent of the Existing / Proposed quarries are about $(1.82.0 + 1.72.0) = 3.54.0\text{Ha}$

The SEAC noted the following:

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

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

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

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

The project proponent has submitted the above said details to SEIAA vide in their letter dated 28.01.2020.

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In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above,DEE Hosur has inspected the site on 16.06.2020 and submitted the report vide Lr.No.F.Tech-industries/DEE/TNPCB/HSR/EC/2020 dated 18.06.2020

The proposal along with the said inspection report was placed in this 162nd SEAC meeting held on 01.07.2020. After detailed deliberation, SEACdecided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions

1. Groundwater level and quality should be monitored once in six months in few wells around the quarry and the record should be maintained and annual report should be submitted to the TNPCB
2. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which might have been disturbed due to their mining

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activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

3. Proper barrier for reducing the Noise level due to transport and to combat the dust pollution 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.

4. The operation of the quarry should not affect the agriculture activities & water bodies near the project site.

5. The transportation of the mined out product should not disturb the tank bund structures and channel course.

6. The project proponent shall undertake plantation/afforestation work by planting the native species on all sides of the tank bunds.

7. Floor of excavated pit should be levelled and sides to be sloped gently in the mine closure phase.

8. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.

9. The Project Proponent shall comply with 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 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).

12. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of mining operation.

13. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.

14. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wild life as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance.

15. The amount of Rs. 4.56 lakhs (2% of the total project cost) shall be utilized as CER activities to carry out the development of the Toilet Facilities & Drinking Water Facilities for Baleguli Village Government School as reported before obtaining the CTO from TNPCB.

Agenda No: 162-05

File No: 7336/2019

Proposed Rough stone and Gravel quarry lease over an extent of 3.65.5Ha (Patta Land) in S.F.No.297/2 at Irukkandurai Part – II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru.K. Bagavathiyappan – For Environmental Clearance.

(SIA/TN/MIN/133089/2019)

The proposal was placed in the 143rd SEAC Meeting held on 03.02.2020. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

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**Chairman
SEAC-TN**

1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru.K. Bagavathiyappan, Tirunelveli. Precise Area Communication was issued by the District Collector, Tirunelveli Vide Rc.No: Rc.No.M1/10777/2018, dated 11.08.2019 for a period of 5 years. It is a fresh lease for Rough Stone Quarry over an Extent of 3.65.5Ha (Patta Land) in S.F.No.297/2 at Irukkandurai Part – II Village, Radhapuram 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 approved by the Assistant Director, Department of Geology and Mining, Tirunelveli District vide Rc.No.M1/10777/2018 dated 17.10.2019.

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 6,90,480m³ of Rough Stone, 28938m³ of Weathered Rock & 59940m³ of Gravel.

YEAR	ROUGHSTONE (m ³)	WEATHERED ROCK (m ³)	GRAVEL (m ³)
I	1,38,250	27,984	57,348
II	1,38,180	954	2,592
III	1,38,110	-	-
IV	1,38,240	-	-
V	1,37,700	-	-
Total	6,90,480	28,938	59,940

4. The quarry operation is proposed upto a depth of 38m.
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 are to be transported by Tippers of 5Nos. (10 tonnes).

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SEAC-TN

Chairman
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7. The project is located at Latitude: 08°12'18"N to 08°12'24"N and Longitude: 77°40'16"E to 77°40'23"E. Toposheet Number: 58 H /11, 12, 15 & 16.
8. The total manpower requirement is 23 Nos.
9. Total cost of the projects is reported to be Rs.93,22,000/- with EMP cost is about Rs.5,10,000/- lakhs.
10. The ground water table is reported to be in the range of 50m to 53m BGL.
11. Letter obtained from the Assistant Director, Department of Geology and Mining, Tirunelveli vide Letter Rc.No.M1/10777/2018 dated 30.10.2019. The details of the existing, abandoned and proposed quarries within 500m radius from the proposed Rough Stone quarry as follows.

S.No	Name of the quarry owner	Village &S.F.No	Extent
1.Existing Quarry			
1	Nil		
2.Abandoned Quarry			
Nil			
3.Proposed Quarry			
1	Thiru K. Bagavathiyappan S/o.M.Kumaresan, 8/42, Main Road, Perungudi Village, Kavalkinaru, Radhapuram Taluk, Tirunelveli District,	Radhapuram Taluk, Irukkandurai Part – II Village, S.F. Nos. 297/2	3.65.5

The SEAC noted the following:

1. The Proponent, Thiru.K. Bagavathiyappan has applied for EC to SEIAA-TN for Proposed Rough stone and Gravel quarry lease over an extent of 3.65.5Ha (Patta Land) in S.F.No.297/2 at Irukkandurai Part – II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.

**Member Secretary
SEAC-TN**

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SEAC-TN**

2. The project/activity is covered under Category “B” of Item 1(a) “Mining of Minerals projects” of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, the SEAC decided to make an on - the - spot inspection to assess the project location and its proximity to Kudankulam power plant and other field conditions by the sub-committee constituted by the SEAC. Based on the inspection report, SEAC would further deliberate on this project and decide the further course of action.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEETirunelveli has inspected the site on 15.06.2020 and submitted the report vide Lr.No.DEE/TNPCB/TNV/SEIAA-SEAC/ mining EC/2020 dated 16.06.2020. it was inferred from the report that the distance between the proposed quarry site & nearest plan boundary Kudankulam Nuclear Power Plant (Nuclear Power Corporation of India Limited proposed unit 5 & 6) is about 4.81 km.

**Member Secretary
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**Chairman
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The proposal along with the said inspection report was placed in this 162nd SEAC meeting held on 01.07.2020. After detailed deliberation, it was decided by the SEAC that the project proponent shall obtain NoC from Kudankulam Nuclear Power Plant (Nuclear Power Corporation of India Limited) for the operation of mines.

On receipt of the above details, the SEAC would take further course of action on the proposal.

Agenda No: 162-06

File No: 7332/2019

Proposed Rough stone quarry lease over an extent of 3.29.0Ha (Patta Land) in S.F.No.253/3B2(P), 255/4(P), 256/1A(P) and 256/1B(P) at Irukkandurai Part – II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru.N.Chelladurai – For Environmental Clearance.

(SIA/TN/MIN/131899/2019)

The proposal was placed in the 143rd SEAC Meeting held on 03.02.2020. 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.N.Chelladurai, Tirunelveli. Precise Area Communication was issued by the District Collector, Tirunelveli Vide Rc.No: M1/47805/2018, dated 27.11.2019 for a period of 5 years. It is a fresh lease for Rough Stone Quarry over an Extent of 3.29.0Ha (Patta Land) in S.F.No.253/3B2(P), 255/4(P), 256/1A(P) and 256/1B(P) at Irukkandurai Part – II Village, Radhapuram Taluk, Tirunelveli District.
2. Mining Plan / Scheme of Mining approved details:

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

- a. The Mining plan was prepared for the period of 5 years. The mining plan was approved by the Assistant Director, Department of Geology and Mining, Tirunelveli District vide Rc.No: M1/47805/2018dated 02.12.2019.
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 7,06,515m³ of Rough Stone, 25,206m³ of Weathered Rock and 51,870m³ of gravel.

YEAR	ROUGHSTONE (m ³)	WEATHERED ROCK (m ³)	GRAVEL (m ³)
I	136030	25206	51870
II	141540	-	-
III	143310	-	-
IV	144955	-	-
V	140680	-	-
Total	706515	25206	51870

4. The quarry operation is proposed upto a depth of 48m (from + 100m RL to 52m 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 are to be transported by Tippers of 4Nos. (5/10 tonnes).
7. The project is located at Latitude: 08°11'18"N to 08°11'25"N Longitude : 77°40'06"E to 77°40'13"E. Toposheet Number: 58 H /11, 12 & 16.
8. The total manpower requirement is reported to be 22Nos.
9. Total cost of the project is reported to be Rs.93,36,000/- and EMP cost is about Rs.5,70,000/- lakhs.
10. Letter obtained from the Assistant Director, Department of Geology and Mining, Tirunelveli vide Letter Rc.No:M1/47805/2018dated 06.12.2019. The details of the

existing, abandoned and proposed quarries within 500m radius from the proposed Rough Stone quarry as follows.

S.No	Name of the quarry owner	Name of the Mineral	Village & S.F.No	Extent
1.Existing Quarry				
1			Nil	
2.Abandoned Quarry				
		Nil		
3.Proposed Quarry				
1	N.Chelladurai S/o.Nainar, No.67, Santhai Street, Radhapuram Taluk, Tirunelveli District,	Rough stone	Tirunelveli Taluk Irukkandurai Part-II Village S.F.No.253/3B2(P), 255/4(P), 256/1A(P) and 256/1B(P)	3.29.0Ha

There are no other quarries within the 500m radius

The SEAC noted the following:

1. The Proponent, Thiru.N.Chelladurai has applied for EC to SEIAA-TN for Proposed Rough stone quarry lease over an extent of 3.29.0Ha (Patta Land) in S.F.No.253/3B2(P), 255/4(P), 256/1A(P) and 256/1B(P) at Irukkandurai Part – II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category “B” of Item 1(a) “Mining of Minerals projects” of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, the SEAC decided to make an on - the - spot inspection to assess the project location and its proximity to Kudankulam power plant and other field conditions by the sub-committee constituted by the SEAC. Based on the inspection report, SEAC would further deliberate on this project and decide the further course of action.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Tirunelveli has inspected the site on 15.06.2020 and submitted the report vide Lr.No.DEE/TNPCB/TNV/SEIAA-SEAC/ mining EC/2020 dated 16.06.2020. it is inferred from the report that the distance between the proposed quarry site & nearest plan boundary KudankulamNuclear Power Plant (Nuclear Power Corporation of India Limited proposed unit 5 & 6) is about 3.61 km.

The above said inspection report was placed in this 162nd SEAC meeting held on 01.07.2020. After detailed deliberation, it was decided by the SEAC that the project proponent shall obtain NoC from KudankulamNuclear Power Plant (Nuclear Power Corporation of India Limited) for the operation of mines.

On receipt of the above details, the SEAC would take further course of action on the proposal.

Agenda no: 162 – 07
(File No. 7063 /2019)

Member Secretary
SEAC-TN

Chairman
SEAC-TN

Proposed River Sand quarrying over an extent of 4.88.0 Ha at S.F. No. 523(p), Pullamadai-II Village, R.S. Mangalam Taluk, Ramanathapuram District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD- For Environmental Clearance.
(SIA/TN/NCP/41390/2019)

The proposal was placed in this 137th SEAC Meeting held on 17.09.2019. The project proponent gave presentation on the salient features of the project and the prefeasibility aspects. The salient features of the project are as follows:

1. Government order / lease details:
 - a) The Quarry lease was applied in the name of Executive Engineer, Mining and Monitoring Division Madurai District, Precise area communication letter was issued by the District Collector, Ramanathapuram District Vide Letter No.Na.Ka.1419/G&M.1/2018 dated 21.06.2019. It is a fresh lease for sand Quarry for over an extent of 4.88.0 Ha in S.F. No: 523(P) of Pullamadai Village, RS Mangalam Taluk, Ramanathapuram District.
2. Mining plan approval details :
 - a. Mining Plan was prepared for the period of Three Years. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Ramanathapuram Vide letter No.1419 / G&M.1/2018. dated 08.08.2019.
3. As per the Department of Geology and Mining, Ramanathapuram District. Mining Plan approval for the 3 years, the production schedule for 3 years states that the total quantity of should not exceed 58,098 M³
 - i. For first year- 19,366 m³ of sand
 - ii. For Second year -19,366 m³ of sand
 - iii. For Third year – 19,366 m³ of sand
4. The quarry operation is proposed upto a depth of 1 m (Avg) below the theoretical bed level.

Member Secretary
SEAC-TN

Chairman
SEAC-TN

5. The Quarry operation is proposed to carry out with open cast manual method of mining. Sand are to be transported by Bullock cart only(15Cft Capacity)
6. The project is located at 09°40'7.91" N to 09°40'06.80" N latitude and 78°52'34.23" E to 78°52'37.87"E longitude.
7. The total Manpower requirement is 26 Nos.
8. Total cost of the project is Rs. 37,35,940/- and EMP Cost about Rs. 6,15,000/-
9. The water table is found to be at the depth of 4-5 m below the ground level
10. Lease applied area is not covered under HACA region.
11. No Coastal Regulation zone (CRZ) within the radius of 10 m from the lease area
12. No interstate boundary & western Ghats Boundary within the radius of 10 km from the lease area.
13. No National Park & wild life sanctuary within the radius of 10 km from the lease area
14. No critically polluted area as notified by the central pollution Control board constituted under water (Prevention and Control of Pollution Act 1974 within the radius of 10 km.
15. No protected Area, Eco Sensitive Zone & Eco sensitive area within the radius of 10 km.
16. No habitation within the radius of the 300 m from the lease area as stated in the letter obtained from VAO, Pullamadai-2Village, RS Mangalam Taluk, Ramanathapuram District. Dated 7.08.2018

The SEAC noted the following

1. The proponent, M/s. The Executive Engineer, PWD/WRD, submitted application for EC for the River Sand Quarrying over an extent of 4.88.0 Ha at S.F. No. 523(p), Pullamadai-II Village, R.S. Mangalam Taluk, Ramanathapuram District, Tamil Nadu,

Member Secretary
SEAC-TN

Chairman
SEAC-TN

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, the SEAC deferred the project proposal for want of following details:

1. Details of Site selection and how sand quantity was technically assessed and its replenishment.
2. Details of the open wells, bore wells, and other surface water bodies including the details of ground water levels, Quantity in the 500m radius from the boundary of the Mine lease Area .
3. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed, quantification of the shoal formation in that area
4. Details of the longitudinal and cross section of the river bed in the proposed mining area.
5. Detail of earlier of mining carried out in the 500m radius of the mine lease area including the location, quantity of sand mined out, depth of the mining , etc., shall be furnished.
6. 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 1km from the boundary of the proposed quarry site.

The project proponent is requested to submit the aforesaid details to SEIAA-TN. On receipt of above details (Sl.No. 1 to 6) from the project proponent, SEAC decided to make an on - the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

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In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Ramanathapuram has inspected the site on 17.06.2020 and submitted the report vide Lr.No.SEIAA/DEE/TNPCB/RMD/sand quarry/2020 dated 24.06.2020.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.88.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the

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irrigation structure.

3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.

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15. Around all the sand mining projects agricultural activities are seen. In addition the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.
17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Ramanathapuram vide letter No.1419 / G&M.1/2018. dated 08.08.2019 & District Collector, Ramanathapuram in the precise area communication vide Letter No.Na.Ka.1419/G&M.1/2018 dated 21.06.2019 should be strictly followed.
21. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.

22. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
23. 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).
24. As informed by the proponent only manual mining operation along with transportation by bullock carts for Sand mining shall be carried out.
25. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
26. The CER fund of 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No: 162-08

(File No. 7151 /2019)

Proposed Rough stone and Gravel quarry lease over an extent of 3.29.30Ha in S.F.Nos: 939/1, 939/2, 1372/5, 1373, 1374, 1375/1, 1375/2, 1375/3, 1376/1, 1376/2A, 1376/3B and 1377, Kamayakoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by Thiru. A. Arun Aravind – For Environmental Clearance.

(SIA/TN/MIN/125971/2019, 11.09.2019)

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The proposal was placed in the 139th SEAC Meeting held on 22.11.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru. A. Arun Aravind, Precise Area Communication was issued by the District Collector, Theni vide Rc.No. 71/Mines/2017, dated 20.07.2017 for a period of 5 years. It is a fresh lease for Rough stone and Gravel quarry over an extent of 3.29.30Ha in S.F.Nos: 939/1, 939/2, 1372/5, 1373, 1374, 1375/1, 1375/2, 1375/3, 1376/1, 1376/2A, 1376/3B and 1377, Kamayakoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Theni District vide Rc.No.71/Mines/2017, dated 02.01.2018.

3. As per the Department of Geology and Mining, Theni District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 4,24,690m³ and Gravel should not exceed 29,920m³

- a. For First year - 92,122m³ of Rough stone and 3,100m³ of Gravel
- b. For Second year - 99,018m³ of Rough stone and 26,820m³ of Gravel
- c. For Third year - 86,100m³ of Rough stone
- d. For Fourth year - 78,950m³ of Rough stone
- e. For Fifth year - 68,500m³ of Rough stone

4. The quarry operation is proposed up to a depth of 52m (27m AGL and 25m BGL).

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 1 No. (10 T Capacity).
7. The project is located at 09° 43' 41.22"N to 09° 43' 53.32"N latitude and 77° 20' 13.48"E to 77° 20' 20.93"E Longitude.
8. The total Manpower requirement is 11 Nos.
9. Total cost of the projects is Rs. 54.59 lakhs and EMP cost about Rs. 7.50 lakhs
10. The Water table is found to be at the depth of 45m in summer season 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 from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
15. Megamalai Wildlife sanctuary is located about 1.80km from lease applied area and applied NBWL recommendation via online proposal No. FP/TN/QRY/2445/2018.
16. Letter obtained from the Assistant Geologist / Assistant Director (i/c), Department of Geology and Mining, Theni vide Letter ROC. No. 71/Mines/2017, dated 09.09.2019 informed that the following quarries are situated within 500 m radial distance from the proposed area for clearance.

S. No.	Name of the quarry Owners	Name of the Village & Survey Number	Extent in Hectare	Distance from this proposed quarry
a. Abandoned Quarries				

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1.	I. Murugeswari, W/o. Guru Ilango, D.No, 62/8, KallarPalli Street, Kamayagoundanpatti, Uthamapaayam,	Kamayagoundanpatti village - 1372/5, 1373	1.33.5	-
2	M.Tamilselvi, W/o. Murugesan, D.No.4, Ramamoorthy Street, Sokkikuam, Madurai.	Kamayagoundanpatti village - 1427/1, 1428, 1429/1, 1430/1, 1430/2, 1431	1.21.0	-
3	AnnaiTherasakalludaikkumMahairNala Munnetra Sangam, 62/8, Kallar School Street, Kamagoundanpatti, Uthamapalayam Taluk.	Kamayagoundanpatti village - 1372/1 Part-III	2.50. 0	-
4	V.Rajendiran, S/o. Veliyappathevar, No. 52/1, East street, Kamayakavundanpatty, Uthamapalayam Taluk	Kamayagoundanpatti village - 1066/1,2,3	0.53. 5	-
5	V.Rajendiran, S/o. Veliyappathevar, No. 52/1, East street, Kamayakavundanpatty, Uthamapalayam Taluk	Kamayagoundanpatti village - 1412	0.35. 0	-
b. Existing Quarries				
-Nil-				
c. Present Proposed Quarries				
1.	A.Arun Aravind, S/o. M.A.Arasendran, No.34, Ramaiyan 2 nd Street, Cumbum (Post), Uthamapaayam Taluk, Theni District.	Kamayagoundanpatti village - 939/1, 939/2, 1372/5, 1373, 1374, 1375/1, 1375/2, 1375/3, 1376/1, 1376/2A, 1376/3B, 1377	3.29. 30	-
d. Period expired quarries				

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-Nil -

The SEAC noted the following:

1. The Proponent, Thiru. A. Arun Aravind has applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone and Gravel quarry lease over an extent of 3.29.30Ha in S.F.Nos: 939/1, 939/2, 1372/5, 1373, 1374, 1375/1, 1375/2, 1375/3, 1376/1, 1376/2A, 1376/3B and 1377, Kamayakoundanpatti Village, Uthamapalayam Taluk, Theni 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.

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

1. Photographs of fencing arrangement provided along the boundary of the site.
2. It was noted that documents furnished by the proponent mining activity was already been carried out in the mine lease area. It is 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.
- e) Copies of EC and CTO already obtained if any and its compliance

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

The project proponent has submitted the above said details to SEIAA.

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In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, the DEE, Theni has inspected the site on 15.06.2020 and submitted the report vide Lr.No.C.0587/DEE/TNPCB/Theni/2020 dated 16.06.2020.

The above said inspection report along with the details submitted by the project proponent was placed in this 162nd SEAC meeting held on 01.07.2020. The SEAC noted from the AD, Geology of Mining, Theni District vide RoC.No.71/mines/2017 dated 27.01.2020 that the ex- lessee has obtained the permit to transport Rough stone and Gravel lastly on 19.04.2017. The Mining lease is operated after 15.01.2016 as per the AD, Geology of Mining, Theni District vide RoC.No.71/mines/2017 dated 27.01.2020.

In the view of the above, the SEAC decided to recommend to SEIAA that the proposal will come under violation category as per the MoEF&CC Guidelines.

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Agenda no: 162 – 09

(File No.7129/2019)

Proposed Rough stone quarry lease over an extent of 4.05.0 Ha in S.F.Nos: 381/2 & 381/3 Kudagipatti Village, Natham Taluk and Dindigul District, Tamilnadu by Thiru. N.Karpaga Narayanan – for Environment Clearance.

[SIA/TN/MIN/43050/2019,]

1. Government Order / Lease details:

- a. The Quarry lease was applied in the name of Thiru. N.Karpaga Narayanan, Precise Area Communication was issued by the District Collector, Dindigul vide Rc.No.506/2018 (Kanimam) Dated: 26.07.2019 for a period of 5 years. It is a fresh lease for Rough stone quarry for over an extent of 4.05.0ha in S.F.Nos. 381/2 & 381/3 at Kudagipatti Village of Natham Taluk, Dindigul District.

2. Mining Plan / Scheme of Mining approved details:

- a. The Mining plan was prepared for the period of 5 years. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Dindigul District vide Rc.No.506/2018 (Mines), dated 16.08.2019.

3. As per the Department of Geology and Mining, Dindigul District. Mining Plan approval for the 5 years, the production schedule for 5 years states that the total quantity of Rough stone should not exceed 7,47,410m³ and Topsoil should not exceed 31,088m³.

- a. For First year - 1,47,650m³ of Rough stone and 9,943m³ of Topsoil
- b. For Second year - 1,37,280m³ of Rough stone and 21,146m³ of Topsoil
- c. For Third year - 1,64,960m³ of Rough stone
- d. For Fourth year - 1,71,440m³ of Rough stone
- e. For Fifth year - 1,26,080m³ of Rough stone

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4. The quarry operation is proposed upto a depth of 51.0m (1m Topsoil and 50m Rough stone) below ground level.
5. The Quarry operation is proposed to be carried out with open cast semi mechanized mining with 5.0m vertical bench and width.
6. Rough stone are to be transported by Tippers of 4 Nos. (10 T Capacity).
7. The project is locate at 10°21'41.55"N to 10°21'53.58"N latitude and 78°14'11.46"E to 78°14'19.41"E Longitude.
8. The total Manpower requirement is 24 Nos.
9. Total cost of the projects is Rs. 47.60 lakhs and EMP cost about Rs. 6.80 lakhs
10. The water table is found to be at the depth of 75m in summer and 70m in rainy season.
11. Lease area applied is not covered under HACA region.
12. No Coastal Regulation Zone (CRZ) within the radius of 10km from the lease area.
13. No Interstate boundary & Western Ghats Boundary within the radius of 10km from the lease area.
14. No National Park & Wild Life Sanctuary within the radius of 10km from the lease area.
15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
16. NOC obtained from the District forest Officer, Dindigul for quarrying of Rough stone in the lease applied area
17. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Kudagipatti Village, Natham Taluk, Dindigul District dated 13/09/2019.
18. Letter obtained from the Assistant Director, Department of Geology and Mining, Dindigul vide Letter RC. No. 506/2018(Mines), dated 10.09.2019 informed that the

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details of proposed, existing, abandoned, present proposed and future proposed quarries located within 500 meter from the boundary of the applied area of patta land in SF. No. 381/2 & 381/3 over an extent of 4.05.0 hecets of Kudaigpatti village, Natham Taluk, Dindigul District are given below.

S. No.	Name of the quarry Owner	Name of the village & Survey Number.	Extent (in Hects.)	Remarks
a. Existing Quarries				
	Nil	Nil	Nil	Nil
b. Abandoned Quarries				
	Nil	Nil	Nil	Nil
c. Present proposed Quarries				
	Thiru. N. Karpaga Narayanan, S/o. Nallathambi, No. 4/217, Sarojini Street, Iyyar Bangalore, Madurai – 17	381/2 381/3	4.05.0	Applied area (Rough Stone)

The SEAC noted the following:

1. The Proponent, Thiru. N.Karpaga Narayanan has applied for Environment Clearance to SEIAA-TN for the Proposed Rough stone over an extent of 4.05.0ha in S.F.Nos: 381/2 & 381/3 Kudagipatti Village, Natham Taluk and Dindigul 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.

Based on the presentation made by the proponent, the SEAC deferred the project proposal for want of following details:

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1. It was noted that documents furnished by the proponent 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) Names of the persons already mined in that leases area.
 - e) If EC already obtained, then the compliance report of the conditions stipulated in earlier EC
 - f) NoC from District Forest officer, Dindigul for carrying out mining activity since the project site located at a distance of 60m from the boundary of Kudangikuttu Reserve forest.

The project proponent is requested to submit the aforesaid details to SEIAA-TN. On receipt of above details (Sl.No. 1 to 2) from the project proponent, SEAC decided to make an on - the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

The project proponent has submitted the above said details to SEIAA.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement

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is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Dindigul has inspected the site on 15.06.2020 and submitted the report vide Lr.No.DEE/TNPCB/DGL/F.new/2020 dated 16.06.2020.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. Groundwater level and quality should be monitored once in six months in few wells around the quarry and the record should be maintained and annual report should be submitted to the TNPCB
2. After mining is completed, proper levelling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
3. The proponent should erect fencing all around the boundary of the proposed area with gates as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
4. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
5. Proper barrier for reducing the Noise level and to combat the dust pollution shall be established like providing Green Belt along the boundary of the quarrying site,

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

6. The operation of the quarry should not affect the agriculture activities & water bodies near the project site.
7. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
8. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
9. The proponent shall develop adequate green belt with native species on the periphery of the mine lease area before commencement of the mining activity, in consultation with DFO of the concern district/agriculture university.
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 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).
12. The project site attracts the NBWL clearance, prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wild life as applicable shall be obtained before starting the quarrying operation.
13. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of mining operation.

14. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.

15. The amount of Rs. 0.55 lakhs shall be utilized as CER activities to carry out the development of the Toilet Facilities & Drinking Water Facilities for Kudagipatti Govt. School as reported before obtaining the CTO from TNPCB.

Agenda No: 162-10

File No.7322/2019

Proposed sand quarry over an extent of 2.25.0 Ha in S.F.Nos. 1(p), Kothangudi Village, Kumbakonam Taluk, Thanjavur District, Tamil Nadu by Executive Engineer-For Environmental Clearance.

(SIA/TN/MIN/131106/2019)

The proposal was placed in the 147th SEAC meeting held on 06.03.2020. The salient features of the project presented (furnished) by the proponent is enclosed in the annexure

The SEAC noted the following:

1. The Proponent, The Executive Engineer applied for Environmental Clearance for the Proposed Sand quarry lease over an extent of 2.25.0 Ha in S.F.Nos. 1(P), Kothangudi Village, Kumbakonam Taluk, Thanjavur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification 2006.

Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern

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District Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project, since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Thanjavur has inspected the site on 15.06.2020 and furnished the report.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 150 x 150 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 2.25.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to

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unpaved road conditions as a result of re-suspension of dust arising in and around the site.

5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving atleast 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.

16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Thanjavur & District Collector, Thanjavur in the precise area communication vide Rc.No.352/mines/2018 dated 17.06.2019 should be strictly followed.
21. As informed by the proponent only manual mining operation along with transportation by bullock carts for Sand mining shall be carried out.
22. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

24. 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).
25. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
26. The CER fund of 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda no: 162 – 11

(File No.7333/2019)

Proposed Sand quarry lease over an extent of 4.95.0 Ha in S.F.Nos. 44(P), Karupperi Village, Kattumanarkoil Taluk, Cuddalore District, Tamil Nadu by Executive Engineer - For Environmental Clearance.

(SIA/TN/MIN/130155/2019)

The proposal was placed in this 147th SEAC meeting held on 06.03.2020. The salient features of the project presented (furnished) by the proponent is enclosed in the annexure

The SEAC noted the following:

1. The Proponent, The Executive Engineer applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 4.95.0 Ha in S.F.Nos. 44(p), Karupperi Village, Kattumanarkoil Taluk, Cuddalore District, Tamil Nadu.

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2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Regarding the maximum number of poclains to be used in the quarry was decided based on the quantity of sand in each of the quarries yet to be mined. The number of poclains will have a bearing on number of total machineries that will be put on the site, the implications of the movement of the vehicles on river bed and river banks, physical features and the flora and fauna of the river bed and banks. Considering the above, the Committee formulated the following criteria in deciding the number of poclains:
 - i) Upto one lakh m³ sand yet to be mined – maximum 2 poclains
 - ii) One lakh - Two lakh m³ sand yet to be mined – maximum 3 poclains
 - iii) Two lakh - Four lakh m³ sand yet to be mined – maximum 4 poclains
 - iv) Four lakh - Seven lakh m³ sand yet to be mined – maximum 5 poclains

For the sand quarry project at Karupperi Village, Kattumanarkoil Taluk, Cuddalore District 49,500 cu.m of sand is to be mined. As per the above criteria, the maximum number of poclains permitted is 2 Nos.

Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil

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SEAC-TN

Chairman
SEAC-TN

Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Cuddalore has inspected the site on 16.06.2020 and furnished thereport.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 300 x 160 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.95.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.

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5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving atleast 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at

least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.

17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
21. For the sand quarry at Karupperi Village, Kattumanarkoil Taluk, Cuddalore District 49,500 cu.m of sand is to be mined. The maximum number of Poclains permitted is 2 Nos.
22. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
23. 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).

24.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

25.The CER fund of 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No:162-12

File No. 7334/2019

Proposed Sand quarry lease over an extent of 4.80.0 Ha in S.F.Nos.262(p), Kamatchipettai Village, PanrutiTalulk, Cuddalore District, Tamil Nadu by the Executive Engineer - For Environmental Clearance.

(SIA/TN/MIN/130197/2019)

The proposal was placed in this 147th SEAC meeting held on 06.03.2020. The salient features of the project presented (furnished) by the proponent is enclosed in the annexure
The SEAC noted the following:

1. The Proponent, The Executive Engineer applied for Environmental Clearance for the Proposed Sand quarry lease over an extent of 4.80.0 Ha in S.F.Nos.262(p), Kamatchipettai Village, PanrutiTalulk, Cuddalore District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification. 2006.
3. Regarding the maximum number of poclains to be used in the quarry was decided based on the quantity of sand in each of the quarries yet to be mined. The number of poclains will have a bearing on number of total machineries that will be put on

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the site, the implications of the movement of the vehicles on river bed and river banks, physical features and the flora and fauna of the river bed and banks. Considering the above, the Committee formulated the following criteria in deciding the number of poclains:

- i) Upto one lakh m³ sand yet to be mined – maximum 2 poclains
- ii) One lakh - Two lakh m³ sand yet to be mined – maximum 3 poclains
- iii) Two lakh - Four lakh m³ sand yet to be mined – maximum 4 poclains
- iv) Four lakh - Seven lakh m³ sand yet to be mined – maximum 5 poclains

For the sand quarry project at Kamatchipettai Village, Panruti Taluk, Cuddalore District 48,000 cu.m of sand is to be mined. As per the above criteria, the maximum number of poclains permitted is 2 Nos.

Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Cuddalore has inspected the site on 16.06.2020 and furnished the report.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 400 x 120 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.80.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.

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7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular

dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.

17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Cuddalore Vide Rc.No.160/mines/2018 dated 25.11.2019 & District Collector, Cuddalore in the precise area communication Vide Rc.No.160/mines/2018 dated 24.10.2019 should be strictly followed.
21. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
22. For the sand quarry at Kamatchipettai Village, Panruti Taluk, Cuddalore District 48,000 cu.m of sand is to be mined. The maximum number of Poclains permitted is 2 Nos.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
24. 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

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(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).

25.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

26.The CER fund 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No: 162-13

File No. 7335/2019

Proposed Sand quarry lease over an extent of 4.95.0 Ha in S.F.Nos. 174/5(P), Elanthampattu Village, Panruti Taluk, Cuddalore District, Tamil Nadu by the Executive Engineer - For Environmental Clearance.

(SIA/TN/MIN/130148/2019)

The proposal was placed in this 147thSEAC meeting held on 06.03.2020. The salient features of the project presented (furnished) by the proponent is enclosed in the annexure The SEAC noted the following:

1. The Proponent, The Executive Engineer applied for Environmental Clearance for the Proposed Sand quarry lease over an extent 4.95.0 Ha in S.F.Nos. 174/5(P), ElanthampattuVillage,PanrutiTaluk,Cuddalore District' Tamil Nadu
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Regarding the maximum number of poclains to be used in the quarry was decided based on the quantity of sand in each of the quarries yet to be mined. The number

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of poclains will have a bearing on number of total machineries that will be put on the site, the implications of the movement of the vehicles on river bed and river banks, physical features and the flora and fauna of the river bed and banks. Considering the above, the Committee formulated the following criteria in deciding the number of poclains:

- i) Upto one lakh m³ sand yet to be mined – maximum 2 poclains
- ii) One lakh - Two lakh m³ sand yet to be mined – maximum 3 poclains
- iii) Two lakh - Four lakh m³ sand yet to be mined – maximum 4 poclains
- iv) Four lakh - Seven lakh m³ sand yet to be mined – maximum 5 poclains

For the sand quarry project at Elanthampattu Village, Panruti Taluk, Cuddalore District' 49,500 cu.m of sand is to be mined. As per the above criteria, the maximum number of poclains permitted is 2 Nos.

Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement

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is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, the DEE Cuddalore has inspected the site on 17.06.2020 and furnished the report.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA only for the Block –II (250 x 120 m) with minable sand quantity of 30,000 cu.m. Since, H. T line passing the proposed Block –I of the river bed and considering the safety of employees, the Block -I should not be mined subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 250 x 120 m(Block –II). The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 3.00.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.

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SEAC-TN**

6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving atleast 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular

dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.

17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Cuddalore vide Rc.No.159/mines/2018 dated 25.11.2019 & District Collector, Cuddalore in the precise area communication vide Rc.No.159/mines/2018 dated 25.10.2019 in the mining plan approved should be strictly followed.
21. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
22. For the sand quarry at Elanthampattu Village, Panruti Taluk, Cuddalore District 30,000 cu.m of sand is to be mined. The maximum number of Poclains permitted is 2 Nos.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
24. 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).

25.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

26.The CER fund of 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No. 162-14

File No. 7423/2020

Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.Nos. 231A(P), Madhavaperumalkoil Village, Manachanallur Taluk, Tiruchirappalli Dinriect, Tamil Nadu by the Executive Engineer - For Environmental Clearance.

(SIA/TN/MIN/140266/2020)

The proposal was placed in this 147thSEAC meeting held on 06.03.2020. The salient features of the project presented (furnished) by the proponent is enclosed in the annexure The SEAC noted the following:

1. The Proponent, The Executive Engineer applied for Environmental Clearance for the Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.Nos. 231A(P), Madhavaperumalkoil Village, Manachanallur Taluk, Tiruchirappalli District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

3. Regarding the maximum number of poclains to be used in the quarry was decided based on the quantity of sand in each of the quarries yet to be mined. The number of poclains will have a bearing on number of total machineries that will be put on the site, the implications of the movement of the vehicles on river bed and river banks, physical features and the flora and fauna of the river bed and banks. Considering the above, the Committee formulated the following criteria in deciding the number of poclains:

- i) Upto one lakh m³ sand yet to be mined – maximum 2 poclains
- ii) One lakh - Two lakh m³ sand yet to be mined – maximum 3 poclains
- iii) Two lakh - Four lakh m³ sand yet to be mined – maximum 4 poclains
- iv) Four lakh - Seven lakh m³ sand yet to be mined – maximum 5 poclains

For the sand quarry project at Madhavaperumalkoil Village, Manachanallur Taluk, Tiruchirappalli District 67,095cu.m of sand shoals and 49,000 cu.m of sand, overall – 1,16,098 Cu.m is to be mined. As per the above criteria, the maximum number of poclains permitted is 2 Nos.

Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project

Member Secretary
SEAC-TN

Chairman
SEAC-TN

, since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Trichy has inspected the site on 23.06.2020 and furnished the report.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 245 x 200 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.90.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

and protection as per the norms.

6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving atleast 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road

and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.

17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Trichy vide Rc.No. 620/mines/2019 dated 28.01.2020 & District Collector, Trichy in the precise area communication vide Rc.No. 620/mines/2019 dated 01.11.2019, in the mining plan approved should be strictly followed.
21. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
22. For the sand quarry at at Madhavaperumalkoil Village, Manachanallur Taluk, Tiruchirappalli District 49,000 cu.m of sand is to be mined. The maximum number of Poclains permitted is 2 Nos.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
24. 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).

25.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

26.The CER fund of 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No. 162-15

File No.7424/2020

Proposed Sand quarry lease over an extent of 4.50.0 Ha in S.F.Nos. 147(P), Thalakudi Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu by the Executive Engineer - For Environmental Clearance.

(SIA/TN/MIN/140170/2020)

The proposal was placed in this 147th SEAC meeting held on 06.03.2020.The salient features of the project presented (furnished) by the proponent is enclosed in the annexure

The SEAC noted the following:

1. The Proponent, The Executive Engineer applied for Environmental Clearance for the Proposed Sand quarry lease over an extent 4.50.0 Ha in S.F.Nos. 147(P), Thalakudi Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

3. Regarding the maximum number of poclains to be used in the quarry was decided based on the quantity of sand in each of the quarries yet to be mined. The number of poclains will have a bearing on number of total machineries that will be put on the site, the implications of the movement of the vehicles on river bed and river banks, physical features and the flora and fauna of the river bed and banks. Considering the above, the Committee formulated the following criteria in deciding the number of poclains:

- i) Upto one lakh m³ sand yet to be mined – maximum 2 poclains
- ii) One lakh - Two lakh m³ sand yet to be mined – maximum 3 poclains
- iii) Two lakh - Four lakh m³ sand yet to be mined – maximum 4 poclains
- iv) Four lakh - Seven lakh m³ sand yet to be mined – maximum 5 poclains

For the sand quarry project at Thalakudi Village, Lalgudi Taluk, Tiruchirappalli District 25,477 cu.m of sand shoals and 45,000 cu.m of sand, overall – 70,477 Cu.m is to be mined. As per the above criteria, the maximum number of poclains permitted is 2 Nos.

Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committeeconstituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020, it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement

Member Secretary
SEAC-TN

Chairman
SEAC-TN

is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEETrichy has inspected the site on 16.06.2020 and furnished report.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 300 x 150 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.50.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.

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SEAC-TN

Chairman
SEAC-TN

7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving atleast 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular

dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.

17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Trichy vide Rc.No.622/2019/mine dated 29.01.2020 & District Collector, Trichy in the precise area communication vide Rc.No.622/2019/mine dated 01.11.2019 in the mining plan approved should be strictly followed.
21. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
22. For the sand quarry at Thalakudi Village, Lalgudi Taluk, Tiruchirappalli District 25,477 cu.m of sand shoals and 45,000 cu.m of sand, overall – 70,477 Cu.m is to be mined. The maximum number of Poclains permitted is 2 Nos.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
24. 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).

25.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

26.The CER fund 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No. 162-16

File No.7425/2020

Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.Nos.144(P), Kookur Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu by Executive Engineer- For Environmental Clearance.

(SIA/TN/MIN/140470/2020)

The proposal was placed in this 147thSEAC meeting held on 06.03.2020.The salient features of the project presented (furnished) by the proponent is enclosed in the annexure

The SEAC noted the following:

1. The Proponent, The Executive Engineer applied for Environmental Clearance for the Proposed Sand quarry lease over an 4.90.0 Ha in S.F.Nos.144(P), Kookur Village, Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Regarding the maximum number of poclains to be used in the quarry was decided based on the quantity of sand in each of the quarries yet to be mined. The number

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

of poclains will have a bearing on number of total machineries that will be put on the site, the implications of the movement of the vehicles on river bed and river banks, physical features and the flora and fauna of the river bed and banks. Considering the above, the Committee formulated the following criteria in deciding the number of poclains:

- i) Upto one lakh m³ sand yet to be mined – maximum 2 poclains
- ii) One lakh - Two lakh m³ sand yet to be mined – maximum 3 poclains
- iii) Two lakh - Four lakh m³ sand yet to be mined – maximum 4 poclains
- iv) Four lakh - Seven lakh m³ sand yet to be mined – maximum 5 poclains

For the sand quarry project at Kookur Village, Lalgudi Taluk, Tiruchirappalli District 40,738cu.m of sand shoals and 49,000 cu.m of sand, overall – 89,738Cu.m is to be mined. As per the above criteria, the maximum number of poclains permitted is 2 Nos.

Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committeeconstituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

Member Secretary
SEAC-TN

Chairman
SEAC-TN

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEETrichy has inspected the site on 16.06.2020 and furnished the report.

After detailed deliberations, the committee decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 245 x 200 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.90.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving atleast 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.
17. The mining operation may be restricted to 1m above the ground water table.

18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Trichy vide Rc.No.621/2019/mine dated 28.01.2020 & District Collector, Trichy in the precise area communication vide Rc.No.621/2019/mines dated 01.11.2019 in the mining plan approved should be strictly followed.
21. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
22. For the sand quarry at Kookur Village, Lalgudi Taluk, Tiruchirappalli District 40,738 cu.m of sand shoals and 49,000 cu.m of sand, overall – 89,738 Cu.m is to be mined. The maximum number of Poclains permitted is 2 Nos.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
24. 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).

25.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

26.The CER fund 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No. 162-17

File No.7426/2020

Proposed Sand quarry lease over an extent of 4.90.0 Ha in S.F.Nos. 148(P), Killiyanallur Village, Manachanallur Taluk, Tiruchirappalli District, Tamil Nadu by the Executive Engineer - For Environmental Clearance.

(SIA/TN/MIN/140446/2020)

The proposal was placed in this 147thSEAC meeting held on 06.03.2020. The salient features of the project presented (furnished) by the proponent is enclosed in the annexure

The SEAC noted the following:

The Proponent, The Executive Engineer applied for Environmental Clearance for the Proposed Sand quarry lease over an 4.90.0 Ha in S.F.Nos. 148(P), Killiyanallur

1. Village, Manachanallur Taluk, Tiruchirappalli District, Tamil Nadu.
2. The project/activitssy is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Regarding the maximum number of poclains to be used in the quarry was decided based on the quantity of sand in each of the quarries yet to be mined. The number of poclains will have a bearing on number of total machinerries that will be put on

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

the site, the implications of the movement of the vehicles on river bed and river banks, physical features and the flora and fauna of the river bed and banks. Considering the above, the Committee formulated the following criteria in deciding the number of poclains:

- i) Upto one lakh m³ sand yet to be mined – maximum 2 poclains
- ii) One lakh - Two lakh m³ sand yet to be mined – maximum 3 poclains
- iii) Two lakh - Four lakh m³ sand yet to be mined – maximum 4 poclains
- iv) Four lakh - Seven lakh m³ sand yet to be mined – maximum 5 poclains

For the sand quarry project at Killiyanallur Village, Manachanallur Taluk, Tiruchirappalli District 46,158cu.m of sand shoals and 49,000 cu.m of sand, overall – 95,158 Cu.m is to be mined. As per the above criteria, the maximum number of poclains permitted is 2 Nos. Based on the presentation made by the proponent' the SEAC decided to make an on-the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

Member Secretary
SEAC-TN

Chairman
SEAC-TN

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Trichy has inspected the site on 17.06.2020 and furnished the report.

After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 245 x 200 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.90.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.

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8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving atleast 50m from the river embankment on either side.
10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.

17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Trichy vide Rc.No.623/2019/mine dated 28.01.2020 & District Collector, Trichy in the precise area communication vide Rc.No.623/2019/mine dated 01.11.2019 in the mining plan approved should be strictly followed.
21. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
22. For the sand quarry at Killiyanallur Village, Manachanallur Taluk, Tiruchirappalli District 46,158 cu.m of sand shoals and 49,000 cu.m of sand, overall – 95,158 Cu.m is to be mined. The maximum number of Poclains permitted is 2 Nos.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
24. 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).

25.The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

26.The CER fund 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No: 162-18

(File No. 7070 /2019)

Proposed River Sand quarrying over an extent of 4.0 Ha at S.F. No. 431(p), Marthandampatti Village, Vilathikulam Taluk, Thoothukudi District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD- For Environmental Clearance.

(SIA/TN/NCP/41390/2019)

The proposal was placed in this 137th SEAC Meeting held on 17.09.2019. 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 Executive Engineer, Mining and Monitoring Division Thoothukudi District, Precise area communication letter was issued by the District Collector, Thoothukudi District Vide Letter No. GM 1/443/2018/ dated 01.08.2018. It is a fresh lease for sand Quarry for over an extent of 4.00.0 Ha in S.F. No: 431 (P) of Marthandampatti Village, Villathikulam Taluk, Thoothukudi District.

2. Mining Plan approval details:

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Mining Plan was prepared for the period of TWO Years. The mining plan was got approval from the Assistant Director, Department of Geology and Mining, Thoothukudi District Vide letter No.GM 1/443/ 2018 /dated 06.09.2018.

3. As per the Department of Geology and Mining, Thoothukudi District. Mining Plan approval for the 2 years, the production schedule for 2 years states that the total quantity of should not exceed 26,001 M³
 - i. For first year- 13,000.5 m³ of sand.
 - ii. For Second year -13,000.5 m³ of sand.
4. The quarry operation is proposed upto a depth of 0.65 m (Avg) above the theoretical bed level.
5. The Quarry operation is proposed to carry out with open cast manual mining using Spade only.
6. Sand are to be transported by Cart (0.15 Unit)
7. The project is located at 09°04'49" N to 09°04'58" N latitude and 78°11'38" E to 78°11'48"E longitude.
8. The total Manpower requirement is 26 Nos.
9. Total cost of the project is Rs. 41,79,120/- and EMP Cost about Rs. 2,59,000/-
10. The water table is found to be at the depth of 7-8 m below the ground level
11. Lease applied area is not covered under HACA region.
12. No Coastal Regulation zone (CRZ) within the radius of 10 m from the lease area
13. No interstate boundary & western Ghats Boundary within the radius of 10 km from the lease area.
14. No National Park & wild life sanctuary within the radius of 10 km from the lease area
15. No critically polluted area as notified by the central pollution Control board constituted under water (Prevention and Control of Pollution Act 1974 within the radius of 10 km.

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16. No protected Area, Eco Sensitive Zone & Eco sensitive area within the radius of 10 km.
17. No habitation within the radius of the 300 m from the lease area as stated in the letter obtained from VAO, Marthandampatti Village, Vilathikulam Taluk, Thoothukudi District.

The SEAC noted the following

1. The proponent, M/s. The Executive Engineer, PWD/WRD, submitted application for EC for the River Sand Quarrying over an extent of 4.0 Ha at S.F. No. 431(p), Marthandampatti Village, Vilathikulam Taluk, Thoothukudi 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, the SEAC deferred the project proposal for want of following details:

1. Details of Site selection and how sand quantity was technically assessed and its replenishment.
2. Details of the open wells, bore wells, and other surface water bodies including the details of ground water levels, Quantity in the 500m radius from the boundary of the Mine lease Area.
3. Thickness of Sand and its variation covering the entire area; similarly, the width of the sand bed, quantification of the shoal formation in that area
4. Details of the longitudinal and cross section of the river bed in the proposed mining area.
5. Detail of earlier of mining carried out in the 500m radius of the mine lease area including the location, quantity of sand mined out, depth of the mining, etc., shall be furnished.

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6. 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 1km from the boundary of the proposed quarry site.

The project proponent is requested to submit the aforesaid details to SEIAA-TN. On receipt of above details (Sl.No. 1 to 6) from the project proponent, SEAC decided to make an on - the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

In the 152nd SEAC meeting held on 23.05.2020 , it was discussed in detail about the clearance of pending proposals by the SEAC at this pandemic situation (COVID -19), After analysing difference options, the SEAC taken a unanimous decision that the Concern District Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution strict Environmental Engineer (DEE) of Tamil Nadu Pollution Control Board (TNPCB) shall be requested to carry out the site inspection and furnish the inspection report about queries raised and the present status of the project , since the TNPCB is the monitoring agency for the category “B” Projects. This arrangement is only for this critical pandemic situation (COVID-19) period and this practice is not applicable for the violation cases, as per rules.

In this connection, a letter has been addressed to the TNPCB vide Lr.No.SEIAA-TN/F.No.SEAC/2020/dated 29.05.2020 with a request that the necessary orders may be issued to the concern DEE of TNPCB to carry out the inspection procedure instead of Sub-Committee of the SEAC.

Based on the above, DEE Thoothukudi has inspected the site on 17.06.2020 and furnished the report.

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After detailed deliberations, the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to the following conditions in addition to normal conditions;

1. The distance of the sand mining should commence from at a distance of 500 meter from the solid apron with proposed area mining 200 x 200 m. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 4.00.0 Ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
2. The proposed area of sand mining should start from 500m downstream of the irrigation structure.
3. The river bund needs to be protected during mining and transportation activities.
4. The dust emanating during transportation activity need to be controlled due to unpaved road conditions as a result of re-suspension of dust arising in and around the site.
5. Necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
6. The depth of sand quarrying shall be restricted to 0.65 m from the theoretical bed level.
7. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
8. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
9. The mining area must be demarcated leaving at least 50m from the river embankment on either side.

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10. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
11. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
12. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
13. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF& CC, GOI, New Delhi.
14. The entire sand mining operation should be as per the guidelines for Enforcement & Monitoring Guidelines for Sand Mining issued in 2020 by the MoEF& CC, GOI, New Delhi.
15. Around all the sand mining projects agricultural activities are seen. In addition, the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
16. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle moves on the road that should be fully covered with tarpaulin.
17. The mining operation may be restricted to 1m above the ground water table.
18. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna

University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.

19. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
20. All the condition imposed by the Deputy Director, Geology of Mining, Thoothukudi Vide letter No.GM 1/443/ 2018 /dated 06.09.2018&District Collector, Thoothukudi in the precise area communication Vide Letter No. GM 1/443/2018/ dated 01.08.2018 should be strictly followed.
21. As informed by the proponent only manual mining operation along with transportation by bullock carts for Sand mining shall be carried out.
22. The project proponent should fulfil the conditions imposed by the Hon'ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
23. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.
24. 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).
25. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their

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mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

26.The operation of the mines should no way affect the Check dam located at a distance of 520 m from the mining lease.

27.The CER fund 2% from the total project cost should be spend as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

Agenda No: 162-19

File No.:6671/2019

Magnesite quarry lease over an extent of 96.34.0 Ha in Thathiengarpatti Village, Omalur Taluk, Salem District, Tamil Nadu by M/s. Tamil Nadu Magnesite Limited – For Environment Clearance Under Violation notification dated 8th March 2018 and 14th March 2017 of MoEF& CC.

(SIA/TN/MIN/51099/2018 – 15.02.2020)

The proposal was placed in the 152nd SEAC Meeting held on 23.05.2020. The details of the project furnished by the proponent are enclosed as Annexure.

The SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Magnesite Limited has applied for Environmental Clearance for the Proposed Magnesite quarry lease over an extent of 96.34.0 Ha in Thathiengarpatti Village, Omalur Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the committee decided to make an on - the - spot inspection to assess the present status of the site by the sub-committee constituted by the SEAC since this project comes under violation.

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Based on the inspection report, SEAC would further deliberate on this project and decide the further course of action.

The Sub- committee of the SEAC inspected the site on 24.06.2020 and submitted the report to SEAC and the summary of the report are as follows:

S.No.	Criteria	status
1	Year wise Mined Mineral output	The Mined Mineral output is carried out as per the Mining plan Approved by Indian Bureau of Mines, Chennai Region Mining Plan.
2	Benches formation	As per approved Review of Mining plan the Bench height is 5m and less than 5 m and width is also 5m and more than 5 m. During the site inspection the height of the bench was measured physically using measuring tape and found the height of the bench is less than 5m.
3	Drilling, Blasting and Heavy machineries use	Drilling, Blasting and Heavy machineries were used during mining operation. TANMAG has obtained Permission from Directorate General of Mines Safety (DGMS) under Regulation 106 (2) (b) of Metalliferous Mines Regulations, 1961.
4	Adequate and qualified statutory personnel	Adequate and minimum qualified statutory personnel, who are holding valid Competency Certificates issued by DGMS are being employed in mines to ensure the safety of men and machineries.
5	Waste Dump Location	Waste dumps are formed within the lease hold area as approved Review of Mining Plan. During the site inspection the location of waste dumps are found within the lease hold area.
6	Habitations/Forest Location	Project site is located in the Reserve Forest area. TANMAG has obtained Forest Clearance from MoEF&CC, New Delhi vide letter No.F.No.8-

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		53/97-FC, dt.14.07.2008 for Mining Magnesite and Dunite for 20 years and no habitation found within 1.5 km radius from the project site.
7	Ground Water table intersection	No Ground water table intersection noticed during the inspection.
8	Greenbelt development in safety zone and as per norms in terms of species and number	Greenbelts are developed in Safety Zone as per the Norms and planted around 1,16,603 Nos of various species like Pungam, Casurina, Naval, Forest Nelli, Neem, Arasan, Karungali etc., from the year 1995- 2018.
9	Mined Mineral storage	Mined out mineral are stored temporarily in mine pits and subsequently transported to captive plants (i.e Rotary Klin Division and Shaft Klin Division) for production of Dead Burnt Magnesite and Lightly Calcined Magnesite respectively.
10	Surface Drainage	There are no surface water bodies passing through the project area and Garland Storm water drain is constructed around the mine boundary and letting out in outside boundary to the Check dam in the forest area which was sponsored by TANMAG.
11	Mined Material transport route	The mined-out mineral does not pass through any habitation. Out of two Captive Plants called as Shaft Kiln Division Plant is located within the lease area and another Rotary Kiln Division Plant located 3 km away from the project site road passing through the permitted forest road.

The inspection report of the sub- committee was placed in this 162nd SEAC meeting held on 01.07.2020. After the detailed discussion the SEAC decided to follow the guidelines which was decided by the last Authority. The SEAC was classified the level of damages by the following criteria in the Joint Meeting (SEIAA & SEAC) held on 23.07.2018:

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A Guideline for the fixation of bank guarantee for Ecological damages, Nature resource augmentation plan and Community resource augmentation plan for the mining proposals filed under the violation notification dated: 08.03.2018. Based on these guidelines this project comes under High Violation category.

The Committee observes that the project by existing Magnesite quarry lease over an extent of 96.34.0 Ha in Thathiengarpatti Village, Omalur Taluk, Salem District, Tamil Nadu by M/s. Tamil Nadu Magnesite Limited comes under the “High level Ecological damage category”. The Committee decided to recommend the proposal to SEIAA for grant EC subject to the following conditions in addition to the normal conditions:

1. The amount prescribed for Ecological remediation (Rs. 48.18 lakhs), natural resource augmentation (Rs.57.81 lakhs) & community resource augmentation (Rs. 72.26 lakhs), totalling Rs. 178.25 lakhs shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
3. The proponent shall spent CER amount of 48.17 lakhs for the following activities:

Activity	Beneficiaries	Total In Rs
Water Management – Construction of Check dams and rainwater harvesting structures in nearby villages for	3 Villages – Sengaradu, Chettichavadi&Thathayangarpatti village	6,00,000

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ground water recharge in consultation with competent Authority/ local administration		
Sanitation – providing infrastructure for sanitary facility/ providing solar lights and green belt development infrastructure, Maintenance & repairs of toilets in nearby Government schools, 3 schools	Govt Hr Sec Schools, Thekkampatti Govt Hr Sec Schools, Kanjanaicenpatty & Govt Hr Sec Schools, Vellalapatti of Salem District	6,00,000 6,00,000 5,87,000
Solar Power – Installation of Solar Street Lamps in nearby village roads (10 lamps) Road width and distance with consultation with competent Authority/ local administration	3 Villages – Sengaradu, Chettichavadi&Thathayangarpatti village	6,00,000
Plantation – Avenue Plantation along Village Roads & around community areas in consultation with competent Authority/ local administration	3 Villages – Sengaradu, Chettichavadi&Thathayangarpatti village	3,00,000
Drinking Water – Installation of Water Tanks at Prominent Places near panchayat/ Government office with consultation in competent Authority/ local administration	3 Villages – Sengaradu, Chettichavadi&Thathayangarpatti village	3,00,000
Health – Medical camps in nearby villages. Eye camp and Heart checkup camps in consultation with competent Authority/ local administration	3 Villages – Sengaradu, Chettichavadi&Thathayangarpattivillage	12,30,000
Grand Total		48,17,000

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the proponent shall spend and submit the proof for the same to SEIAA before issuance of Environment Clearance.

4. M/s. Tamil Nadu Magnesite Limited should install cautionary board at the entry and important location of the mining site displaying caution notice to the public about the danger of the entering the Magnesite mining areas
5. Fencing all along the mined areas at the both portions to be revamped and made a continuous one without any gap or space to prevent entry of the people and animal in to the mined site.
6. Bio-fencing (thick vegetation cover) to be developed along the boundaries of the mined area.
7. Safety precautionary measures for all the employs who are working in the mines should be practiced and strictly to be followed
8. Fugitive emission needs to be monitored on weekly basis and the compiled 6 monthly report need to be submitted to SEAC and TNPCB.
9. The control measures for the fugitive emission during drilling and cutting operation of rocks to be adopted at the site.
10. Noise measurement also should be measured on a weekly basis and the report to be submitted to TNPCB on 6 monthly-basis.
11. The project proponent shall get necessary permission for the mined-out mineral taken from the project site road passing through the permitted forest road.
12. Medical checkup of the all the employs to be carried out periodically, specifically with respect to dust exposure levels and the possible control measures taken by M/s. Tamil Nadu Magnesite Limited for minimizing the dust exposure level on the worker and improving their health conditions to be furnished to the competent authority.

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13. It is recommended that future necessary caution needs to be taken regarding environment and ecological damage and protection as per the norms.
14. The project proponent should not carry out mining below the ground water table without the NoC/ permission from the Central ground water Authority.
15. The proponent shall form the proper benches during the operation of quarry.
16. During rainy season, the proponent shall supply a water to the farmers from the quarry after achieving the standards for irrigation purpose.
17. The proponent shall provide more green-belt in the periphery of the mining area.
18. The proponent shall submit the proof for the credible action taken by the state Government/TNPCB the proponent under the provisions of section 19 of the Environment (Protection) Act, 1986 before placing the subject to SEIAA.

Agenda No: 162-19

File No. 528/2012

Proposed construction at S.F. No. 101/2, 101/3, 101/4, 101/5, 101/6, 101/7, 101/8, 102/3, 102/4, 102/5, 102/6, 102/7, 102/8, 104/1A, 104/1B, 104/1C, 104/1D, 104/1E, 104/1F, 104/1G, 104/1H, 104/2, 104/3, 100/1, 100/2B, 100/2C, 100/2D, 100/3, 100/4A, 100/4B, 100/4C, 100/4D, 237/2, 237/3, 237/4, 237/5, 237/6, 237/10, 237/11A, 237/11B, 237/11C, 237/11D, 237/12, 237/13, 237/14A, 237/14B, 238/3, 114/1A, 114/1B, 114/1C, 114/1D, 114/2, 114/5, 114/6, 114/7, 114/10, 115/8, 115/9, 115/10, 115/11, 115/12, 115/13, 115/14, 115/1, 115/2, 115/3, 115/4, 115/5, 115/6, 115/7, 116/1, 116/2, 117/8A, 117/8B, 117/8C Samayapuram village in Samayapuram Panchayat, Mannachanallur Taluk & Trichy District by M/s. Srinivasan Health & Educational – For Environment Clearance Under Violation notification dated 8th March 2018 and 14th March 2017 of MoEF & CC.

(SIA/TN/MIS/129472/2019)

**Member Secretary
SEAC-TN**

**Chairman
SEAC-TN**

The proposal was placed in the 148th SEAC meeting held on 13.03.2020. The salient features of the project presented (furnished) by the proponent is enclosed in the annexure

The SEAC noted the following:

1. The Proponent, M/s. Srinivasan Health & Educational Trust has applied for Environmental Clearance for Constructed Srinivasan Super Specialty Hospital and Institute of Medical science at S.F.No. 101/2, 101/3, 101/4, 101/5, 101/6, 101/7, 101/8, 102/3, 102/4, 102/5, 102/6, 102/7, 102/8, 104/1A, 104/1B, 104/1C, 104/1D, 104/1E, 104/1F, 104/1G, 104/1H, 104/2, 104/3, 100/1, 100/2B, 100/2C, 100/2D, 100/3, 100/4A, 100/4B, 100/4C, 100/4D, 237/2, 237/3, 237/4, 237/5, 237/6, 237/10, 237/11A, 237/11B, 237/11C, 237/11D, 237/12, 237/13, 237/14A, 237/14B, 238/3, 114/1A, 114/1B, 114/1C, 114/1D, 114/2, 114/5, 114/6, 114/7, 114/10, 115/8, 115/9, 115/10, 115/11, 115/12, 115/13, 115/14, 115/1, 115/2, 115/3, 115/4, 115/5, 115/6, 115/7, 116/1, 116/2, 117/8A, 117/8B, 117/8C Samayapuram village in Samayapuram Panchayat, Mannachanallur Taluk & Trichy 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. SEAC noted that the proponent has constructed building up to 3 floors without obtaining EC. The SEAC Decided to make an On-spot inspection to assess the present status of the project and its surrounding, since it is a violation case.

As per the order vide Lr. No. SEAC-TN/F.No.528/2020 dated: 23.06.2020. sub-committee was constituted with the SEAC Members to inspect site. The sub-committee inspected the project site and observed the followings,

Member Secretary
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The project comes up very close to NH-38 at Samayapuram Village. In between the highway and the institution Pullambadi canal flows. The proponent has constructed the bridge over the Pullambadi Canal after obtaining the NoC from PWD department vide letter dated 08.09.2010. The Padalur tollgate is located on the highway right in front of the institution.

- (i) The project is under establishment stage only. No occupation is found.
- (ii) The proponent has obtained the planning permission from DTCP
- (iii) Regarding green belt, the proponent has provided an area more than 15%. The Sub-committee direct the proponent to plant more native trees.
- (iv) In between the hospital building and institutional building there is a water body i.e branch channel (field channel) (from Peruvalai Canal to Pullampadi Canal and the branch channel passing through the project site. From this branch channel 3 tributaries were existing in the project site. The project proponent has to ensure that the channel is continued and the flow of water is not obstructed. The project proponent has obtained NOC from the PWD department for proposed culvert in the field channel vide letter dated 29.12.2011. The Sub-committee recommends to the SEAC that the any activity of the project should in no way affect the field channel. All the water bodies should be earmarked in the layout with GPS coordinates and submit the same to TNPCCB before applying for Consent to operate and which can be used for monitoring of compliance of conditions imposed in the Environmental Clearance.
- (v) Water supply for the institution will be from TWAD Board and the proponent has obtained the concurrence letter from TWAD Board for the supply 300kLD.
- (vi) The sub-committee noted that the construction of STP is under progress.
- (vii) The sub-committee direct the proponent to construct an ETP for treatment of effluents from laundry, laboratory and operation theatres as proposed.

- (viii) The project proponent should not use the laundry for discarded linen, mattresses, beddings contaminated with blood fluid and soiled waste. Materials other than the materials listed above can be washed and cleaned in the laundry attached to the hospital.
- (ix) The proponent is directed to 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 RO permeate from the RO system shall be reused for laundry and RO reject shall be disposed as per CPCB/TNPCB guidelines.
- (x) The proponent is directed to install the OWC for the treatment and disposal of the bio degradable solid.
- (xi) Regarding rainwater harvesting the proponent was directed to construct adequate system as per norms.
- (xii) The proponent is directed to provide the dedicated bio-medical waste collection area and dispose the same through common TSDF as per the Bio-Medical waste Management Rules 2016.

The sub-committee is submitting the inspection report of the site visit to the SEAC for the proposal of M/s. Srinivasan Health & Educational Trust at S.No. 101/2, 101/3, 101/4, 101/5, 101/6, 101/7, 101/8, 102/3, 102/4, 102/5, 102/6, 102/7, 102/8, 104/1A, 104/1B, 104/1C, 104/1D, 104/1E, 104/1F, 104/1G, 104/1H, 104/2, 104/3, 100/1, 100/2B, 100/2C, 100/2D, 100/3, 100/4A, 100/4B, 100/4C, 100/4D, 237/2, 237/3, 237/4, 237/5, 237/6, 237/10, 237/11A, 237/11B, 237/11C, 237/11D, 237/12, 237/13, 237/14A, 237/14B, 238/3, 114/1A, 114/1B, 114/1C, 114/1D, 114/2, 114/5, 114/6, 114/7, 114/10, 115/8, 115/9, 115/10, 115/11, 115/12, 115/13, 115/14, 115/1, 115/2, 115/3, 115/4, 115/5, 115/6, 115/7, 116/1, 116/2, 117/8A, 117/8B, 117/8C Samayapuram village, Mannachanallur Taluk & Trichy District for further necessary action.

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The proposal was placed once again in the 162nd SEAC meeting held on 01.07.2020. Based on the inspection report and the violation notification, the SEAC classified the level of damages by the following criteria:

1. Low level Ecological damage:

- a. Only procedural violations (started the construction at site without obtaining EC)

2. Medium level Ecological damage:

- a. Procedural violations (started the construction at site without obtaining EC)
- b. Infrastructural violation such as deviation from CMDA/local body approval.
- c. Non operation of the project (not occupied).

3. High level Ecological damage:

- a. Procedural violations (started the construction at site without obtaining EC)
- b. Infrastructural violation such as deviation from CMDA/local body approval.
- c. Under Operation (occupied).

As per the OM of MoEF& CC dated: 01.05.2018, the SEAC deliberated the fund allocation for Corporate Environment Responsibility which shall be to a maximum of 2% of the project cost.

In view of the above and based on the inspection report & the Ecological damage, remediation plan and natural & community resource augmentation plan furnished by the proponent, the SEAC decided the fund allocation for Ecological remediation, natural resource augmentation & community resource augmentation and penalty by following the below mentioned criteria.

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Level of damages	Ecological remediation cost (% of project cost)	natural resource augmentation cost (% of project cost)	community resource augmentation cost (% of project cost)	CER (% of project cost)	Total (% of project cost)
Low level Ecological damage	0.25	0.10	0.15	0.25	0.75
Medium level Ecological damage	0.35	0.15	0.25	0.5	1.25
High level Ecological damage	0.50	0.20	0.30	1.00	2.00

The project cost of this proposal under violation is Rs.4616 Lakhs.

The SEAC observes that the project of M/s. Srinivasan Health & Educational Trust for Constructed Srinivasan Super Specialty Hospital and Institute of Medical science at S.No. 101/2, 101/3, 101/4, 101/5, 101/6, 101/7, 101/8, 102/3, 102/4, 102/5, 102/6, 102/7, 102/8, 104/1A, 104/1B, 104/1C, 104/1D, 104/1E, 104/1F, 104/1G, 104/1H, 104/2, 104/3, 100/1, 100/2B, 100/2C, 100/2D, 100/3, 100/4A, 100/4B, 100/4C, 100/4D, 237/2, 237/3, 237/4, 237/5, 237/6, 237/10, 237/11A, 237/11B, 237/11C, 237/11D, 237/12, 237/13, 237/14A, 237/14B, 238/3, 114/1A, 114/1B, 114/1C 114/1D, 114/2, 114/5, 114/6, 114/7, 114/10, 115/8, 115/9, 115/10, 115/11, 115/12, 115/13, 115/14, 115/1, 115/2, 115/3, 115/4, 115/5, 115/6, 115/7, 116/1, 116/2, 117/8A, 117/8B, 117/8C Samayapuram village in Samayapuram Panchayat, Mannachanallur Taluk & Trichy District for Environmental Clearance under violation comes under the “Low level Ecological damage category” since no building is occupied. The Committee decided to recommend the proposal to SEIAA for grant of post construction EC subject to the following conditions in addition to the normal conditions:

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1. The amount prescribed for Ecological remediation (Rs. 11.54 lakhs), natural resource augmentation (Rs. 4.62 lakhs) & community resource augmentation (Rs. 6.93lakhs), totalling Rs. 23.1 lakhs shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not, the bank guarantee will be forfeited to TNPCB without further notice.
3. Regarding CER the proponent has submitted the details activities as below which are already completed and same was authorized by the Auditor. Further the proponent has requested to consider the same for the CER to be remitted before the issue of EC. The amount specified as CER (Rs. 11.54 Lakhs) shall be remitted in the form of DD to the beneficiary before issue of EC for Providing infrastructure facility for Drinking water and Toilet facility for the Government School at Samayapuram village in Samayapuram Panchayat, Mannachanallur Taluk & Trichy District. A copy of receipt from the beneficiary shall be submitted before issue of EC.
4. The proponent shall complete the construction of STP for treatment of sewage generated before applying for CTO from TNPCB.
5. The proponent shall construct an ETP for treatment of effluents from laundry, laboratory and operation theatres as proposed before applying for CTO from TNPCB.

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6. The proponent should not use the laundry for discarded linen, mattresses, beddings contaminated with blood fluid and soiled waste. Materials other than the materials listed above can be washed and cleaned in the laundry attached to the hospital.
7. The proponent shall 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 RO permeate from the RO system shall be reused for laundry and RO reject shall be disposed as per CPCB/TNPCB guidelines.
8. The proponent shall install the OWC for the treatment and disposal of the bio degradable solid before applying for CTO from TNPCB.
9. Regarding rainwater harvesting the proponent shall construct adequate Rainwater Harvesting system as per norms before applying for CTO from TNPCB.
10. The proponent shall provide the dedicated bio-medical waste collection area and dispose the same through common TSDF as per the Bio-Medical waste Management Rules 2016. The dedicated bio-medical waste collection area shall be provided before applying for CTO from TNPCB.
11. The proponent shall operate the STP effectively and continuously so as to achieve standards prescribed by the TNPCB for treated sewage.
12. The proponent shall operate the ETP effectively and continuously so as to achieve standards prescribed by the TNPCB for treated effluent.
13. The proponent shall utilize the treated sewage for the development of green belt and toilet flushing after achieve the standards prescribed by the TNPCB.
14. The project Proponent shall operate OWC efficiently and continuously for the disposal of the Organic waste generated from the campus and Non-Bio degradable waste to be regularly collected and disposed through TNPCB authorized recycler.
15. The proponent shall continuously collect the Bio-Medical waste and same should be disposed through the Common TSDF for Biomedical waste disposal as per the Bio Medical waste management Rules 2016.

16. The proponent shall collect & dispose the hazardous waste through TNPC Authorized vendors/recyclers as per the Hazardous and other wastes (Movement and Transboundary Movement), Rules 2016.
17. The proponent shall collect and dispose the E-Waste through TNPC Authorized vendors/recycler as per the E-Waste Management Rules 2016.
18. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
19. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
20. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.,
21. The project proponent has to provide separate standby D.G set for the STP proposed for the continuous operation of the STP in case of power failure.
22. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
23. The proponent shall submit the proof for the credible action taken by the state Government/TNPCB against the proponent under the provisions of section 19 of the Environment (Protection) Act, 1986 before placing the subject to SEIAA.

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

concerned Regulatory Authority, and the bank guarantee shall be deposited prior to the grant of environmental clearance”.

Agenda No: 162-21

(File.No.7310/2019)

Proposed Rough stone quarry lease over an extent of 2.00.0 Ha in S.F.No.346 (Part-II) at Kachirayapalayam Village, Chinnasalem Taluk, Villuppuram District.Thiru.P.Elanchezhiyan– For Environmental Clearance.

(SIA/TN/MIN/128532/2019)

The proposal was placed in this 141st SEAC Meeting held on 16.12.2019. 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.P.Elanchezhiyan, Viluppuram. Precise Area Communication was issued by the District Collector, Viluppuram vide Rc.No.B/G&M/692/2019 dated 27.09.2019 for a period of 5 years. It is a fresh lease for Rough Stone Quarry over an Extent of 2.00.0Ha (Government Land) in S.F.No.346 (Part-II) at Kachirayapalayam Village, Chinnasalem 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 approved from the Assistant Director, Department of Geology and Mining, Viluppuram District vide Rc.No.B/G&M/692/2019 dated 07.11.2019.

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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 2,64,700m³ of Rough Stone.

YEAR	PRODUCTION OF ROUGHSTONE IN m ³
I	52440
II	52935
III	53170
IV	52995
V	53160
Total	264700

4. The quarry operation is proposed depth of 55m (from + 270m RL to 215m 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 are to be transported by Tippers of 3Nos. (10T capacity).
7. The project is located at Latitude: 11°45'24"N to 11°45'28"N and Longitude: 78°51'28"E to 78°51'34"E. Toposheet Number: 58 I / 13 & 14.
8. The total Manpower requirement is 18Nos. (Permanent: 11, Temporary: 7)
9. Total cost of the projects is Rs.96,20,000/- (Including Operational + Fixed Asset + EMP cost).
EMP cost about Rs.5,10,000/- lakhs.
10. The ground water table is at a depth of 55m to 52m 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 within 10Km Radius of lease Area.
14. Wild Life Sanctuary: Nil within 10km radius

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15. No critically polluted area as notified by the Central Pollution Control Board constituted under Water (Prevention and Control of Pollution) Act 1974 within the radius of 10km from the lease area.
16. No habitation within the radius of the 300m from the lease area as stated in the letter obtained from VAO, Kachirayapalam Village, Chinnasalem Taluk, Viluppuram District.
17. Letter obtained from the Assistant Director, Department of Geology and Mining, Viluppuram vide Letter Rc.No.B/G&M/692/2019 dated 07.11.2019. 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 Lessee/Permit Holder	Name of the Mineral	Taluk, Village & S.F.Nos.	Extent (in Hects)	Lease Period
a	Existing Other Quarries				
1	A.Muthusamy, S/o. Arthanari Gounder, Kattukottai, Paranginathan, Malligaipady Post, Sankarapuram Taluk, Viluppuram District.	Rough Stone	Chinnasalem, Katchirayapalam, 346/1 (Part-III),	1.00.0	14.02.2011 to 13.02.2021
b	Proposed Area				
1	Thiru.P.Elanchezhiyan, S/o. Pannerselvam, No.1, East Street, Vadagananthai, Chinnasalem Taluk, Viluppuram District.	Rough Stone	Chinnasalem, Katchirayapalam, 346/1 (Part-II),	2.00.0	-
c	Lease Expired (abandoned)				
1	Thiru.P.Elanchezhiyan, S/o. Pannerselvam, No.1, East Street, Vadagananthai,	Rough Stone	Chinnasalem, Katchirayapalam, 346/1 (Part-I),	2.00.0	23.06.2009 to 22.06.2019

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	Chinnasalem Taluk, Viluppuram District.				
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The SEAC noted the following:

1. The Proponent Thiru. P. Elanchezhian has applied for Environmental Clearance for the Proposed Rough stone quarry lease over an extent of 2.00.0Ha in S.F.No.346 (Part-II) at Kachirayapalayam Village, Chinnasalem Taluk, Viluppuram 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.

After the detailed presentation, the SEAC decided to not recommend the proposal since removing the rocks from this hillock will damage the rain water harvesting capacity of nearby water body and livelihood. Further the proposed mining activity was envisaged to impart adverse effect on the trees growing in the hillock.

The project proponent has submitted a letter dated 26.06.2020 to SEIAA with a request to consider their commitment and issue the environmental clearance.

In this connection, detailed hydrological study was conducted through V.O.C Chidambaram college, Tuticorin. From the study the following points clearly emerged:

- Water sample collection from open and bore in nearby proposed site is having recharge water in the fractured rocks in fractured zone to a very limited extent only.
- The entire terrain is having rough stone enrichment and hillock nature of environments. No agricultural activities are carried out nearby.
- The lease area is located at high elevation mound of +230m RL to +270m RL and the mine working will be carried up to a depth of +215m RL whereas the wells and

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bore wells are located in the plains at +170m. As such no intersections of water table is expected.

- The nearest habituated village Madhavacheri is located about 1.0 km away from the lease on the NE side. There are no habitations nearby.

The report concluded that there will be no adverse effect on the hydrological regime, water drainage, environment, livelihood or Agricultural activity in the region.

The project proponent further informed that various mitigative measures suggested in the report like construction of peripheral garland drain, settling pond and ensuring water flow to the downstream users will be implemented by us during the course of mining.

The proposal along with the hydrological study conducted through V.O.C Chidambaram college, Tuticorin was placed in the 162nd SEAC meeting held on 01.07.2020. After detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance to SEIAA subject to the following conditions in addition to the standard conditions:

1. Ground water quality monitoring should be conducted once in every Six months and the report should be submitted to TNPCB.
2. Proponent shall leave a safety distance of 50 meter from the mining lease area to the nearby canals.
3. After mining is completed, proper levelling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
4. The proponent shall provide the fencing around the boundary of the proposed area and shall furnish the photocopies of the same before obtaining the CTO from TNPCB.

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5. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
6. Proper barrier for reducing the Noise level and to combat the dust pollution 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.
7. The operation of the quarry should not affect the agriculture activities & water bodies near the project site.
8. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
9. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
10. The proponent shall develop adequate green belt with native species on the periphery of the mine lease area before commencement of the mining activity, in consultation with DFO of the concern district/agriculture university.
11. 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.
12. 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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13. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wild life as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance.
14. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of mining operation.
15. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.
16. The CER fund of Rs. 1.9 Lakhs (2% from the total project cost) shall be spent for the Providing Drinking Water and Sanitary Facilities in Kachirayapalayam Village - Govt. School as per Office Memorandum of MoEF& CC dated 01.05.2018 before obtaining the CTO from TNPCB.

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