

State Expert Appraisal Committee (SEAC)

Minutes of 417th meeting of the State Expert Appraisal Committee (SEAC) held on 18.10.2023 (Wednesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of CRZ and Mining projects.

Confirmation of Earlier Minutes

The minutes of the 416th SEAC meeting held on 13.10.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 417-01

(File No.10425/2023)

Proposed Rough Stone Quarry lease over an Extent of 2.16.0 Ha (Patta Land) at S.F.Nos. 287/1 of Venkateshapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru V. Nagaraja – For Terms of Reference (SIA/TN/MIN/430837/2023 dt.26.05.2023)

The proposal was placed in the 417th meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru V. Nagaraja has applied for Terms of Reference for the Proposed Rough Stone Quarry lease over an Extent of 2.16.0 Ha (Patta Land) at S.F.Nos. 287/1 of Venkateshapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, EC was accorded to the project proponent by DEIAA vide Lr.No.03/DEIAA-KGI/EC.No.98/2018 dated.27.08.2018 for a period of 5 years from the date of execution of mining lease. EC was accorded for the quantity of 14,25,102m³ of rough stone up to a depth of 148m.
4. Now, based on MoEF&CC O.M dated.24.04.2023, the proponent has submitted the application at SEIAA-TN for re-appraisal of EC granted by DEIAA.


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Based on the details furnished by the Project Proponent, the SEAC directed the PP to submit the following details:

1. Last Permit issued for carrying out the mining & transportation of minerals (Rough stone) by the concerned AD (Mines), Department of Geology & Mining.
2. Modified Mining Plan for accommodating the bench geometry of not more than 6 m bench height and bench width of not less than the bench height, approved duly by the concerned AD (Mines), Department of Geology & Mining.
3. Certified Compliance Report for the previous EC issued by the DEIAA obtained from the IRO, MoEF & CC, Chennai and action plan for the remedial measures.

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

Agenda No: 417-02

File No.10153/2023)


Proposed Rough Stone and Gravel Quarry lease over an extent of 2.45.0 Ha in S.F.Nos. 986/B2A (P) (Patta land) of Mudalipalayam Village, Kangayam Taluk, Tiruppur District, Tamil Nadu by M/s. Sri Muthukumar Blue Metals – For Environmental clearance. (SIA/TN/MIN/433715/2023, dated: 19.06.2023)

The proposal was placed in the 417th meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Sri Muthukumar Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry lease over an extent of 2.45.0 Ha in S.F.Nos. 986/B2A (P) (Patta land) of Mudalipalayam Village, Kangayam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.


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3. Earlier, the proposal was placed for appraisal in the 402nd SEAC meeting held on 17.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the condition stated therein.
4. Subsequently, the proposal was placed for appraisal in the 653rd SEIAA meeting held on 11.09.2023. The Authority noted that the SEAC has recommended the project for a period of 10 years. In this regard, the authority decided to refer back the proposal to SEAC to obtain additional suggestion from SEAC on guidelines for regulating, monitoring the quarry covering 10 years period to ensure sustainable mining and post mining regulations for bringing ecological stability.


The recommendation may include the following:

- Frequency of monitoring,
- The check and balances to ensure EMP implementation including mine restoration and closure.
- Worker safety, Health and Hygiene.
- Green belt Development.
- Adhere to mining plan and EC stipulations.
- Returns in support of CER.

5. In view of the above, the proposal was again placed in this 417th SEAC meeting. During the presentation, the proponent/consultant furnished replies for the queries raised by SEIAA follows:


S. No	Environment Attributes	Frequency	Reporting Authority
1.	Frequency of Monitoring		
	Air Quality	Six months once As per the Air (prevention and control of pollution) Act 1981	TNPCB, SEIAA & MoEF&CC
	Water Quality Monitoring	One-year period As per the Water (prevention and	TNPCB, SEIAA & MoEF&CC



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		control of presentation) Act 1974 & 1988	
	Ground water level	Atleast four times in one year As per the Ministry of Jal Shakthi, CGWA, Notification S.O. 1590 (E) dated 29.03.2023	TNPCB, Central Ground Water Board, SEIAA & MoEF&CC
	Noise	Once in 6 months As per the Noise pollution (Regulation and Control) rule 2000	TNPCB, SEIAA & MoEF&CC
	Biodiversity	Every year Biological diversity Act 2002	SEIAA & MoEF&CC
2.	To check and balances to ensure EMP implementation including mine restoration and closure	Progressive and post mine closure parameter are incorporated in to the environmental management plan and fund allocation will be incurred from the separate EMP account and monitoring will be carried out by the Environmental monitoring cell and status compliance will be submitted in the half yearly compliance report.	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
3.	Worker Safety, Health and Hygiene	Operational permission from Director General Mines Safety Chennai Region will be obtained after execution of lease deed. Adherence will be as per the Mines Rules 1955. Water - Rule 30 & 31 Surface latrines & Urinals - Rule 33 Medical Examination – Rule 29	Conducted by the Competent approved health organization DGMS, Chennai. Reporting to the TNPCB, SEIAA & IRO, MoEF&CC

		First Aid – 41, 42, 43 & 44 etc., Status compliance will be submitted in the Half yearly compliance monitoring report.	
4.	Green belt Development	As committed during the SEAC appraisal, ensured to plant 1480 Nos of Saplings in and around the mine lease area which includes haul roads and avenue plantation along the village road. Status compliance will be submitted in the Half yearly compliance monitoring report.	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
5.	Adhere to mining plan and EC stipulation	Adherence to mining plan will be ensured by employing Competent person under whose supervision the quarrying activity will be carried out and Half yearly & Annual returns will be submitted to Department Geology and Mining. Adherence to EC conditions will be carried out under the Supervision of EMC cell headed by the Mine owner and Status compliance will be submitted in the Half yearly compliance monitoring report.	Half year returns and annual returns to Director, Geology and Mining, Chennai and Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
6.	Returns in support of CER	The CER activities as committed and recommended during SEAC appraisal will be completed within the first year of mining operation	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC


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	and the status compliance inform of receipts and records with photographs will be enclosed in the Half yearly compliance monitoring reports.	
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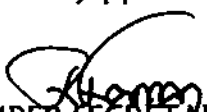
Based on the presentation and the details furnished by the project proponent, the SEAC decided to re-iterate the recommendations already made in 402nd SEAC meeting held on 17.08.2023 subject to the conditions stated in the minutes of 402nd SEAC meeting in addition to the following specific conditions:

- i) The proponent shall conduct the **Safety Audit** following the DGMS Guidelines laid for the purposes vide DGMS (Tech) S&T Circular No. 5 of 2016, during the 4th year of quarrying operation to detect any unsafe condition/practice prevalent in the mine to ensure the health and safety of the workers employed. by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- ii) The Proponent shall carry out an Occupational Health Survey (OHS) in accordance with the guidelines & period of examination laid in the DGMS (Tech.) (S&T) Circular No. 01 of 2011, on OHS of the persons working in mines prone to generate the airborne dust, under Section 9A of Mines Act, 1952 by actively involving State Government officials and Non-Government Organizations(NGO) working in the Occupational Health Survey (Medical Examination).

Agenda No: 417 - 03

(File No: 10412/2023)

Proposed Rough stone Quarry over an extent of 4.04.5Ha at SF.No. 1266 of Kamandoddi Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.R.Rajappa - For Terms of Reference.


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(SIA/TN/MIN/445091/2023, Dated:20.09.2023)

The proposal was placed in the 417th SEAC Meeting held on 18.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.R.Rajappa has applied for Terms of Reference for the Proposed Rough stone Quarry over an extent of 4.04.5Ha at SF.No.1266 of Kamandoddi Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The lease period is for 10 years. The mining plan is for the period of five years & the production should not exceed 6,55,613m³ of rough stone & 218m³ of Topsoil with an ultimate depth of mining is 61m (11m AGL + 50m BGL). The annual peak production is 1,51,393m³ of rough stone & 218m³ of Topsoil.

During the presentation the SEAC noted that the PP obtained earlier EC dated 31.05.17 for a depth of 16m whereas there is an existing pit of depth 25m.

Therefore, based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (ToR) under Violation category, subject to the following ToRs, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. The grant of Terms of Reference (ToR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The project proponent shall submit a Certified Compliance Report obtained from the IRO, MoEF & CC, Chennai as per the MoEF&CC O.M dated.08.06.2022 for the previous EC and appropriate mitigating measures for the non-compliance items, if any.
2. The PP shall furnish letter from the concerned AD (Mines) including the following details,


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- i. Original pit dimension of the existing quarry
 - ii. Quantity achieved Vs EC Approved Quantity
 - iii. Balance Quantity as per Mineable Reserve calculated.
 - iv. Month wise Production details
 - v. Mined out Depth as on date Vs EC Permitted depth
 - vi. Details of illegal/illicit mining carried out, if any
 - vii. Non-compliance/Violation in the quarry during the past working.
 - viii. Quantity of material mined out outside the mine lease area (or) in the adjacent quarry/land.
 - ix. Existing condition of Safety zone/benches
 - x. Details of any penalties levied on the PP for any violation in the quarry operation by the Department of Geology and Mining.
3. The PP shall submit the Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and also to furnish mitigation measures/remedial action plan with the budget allocation for the non-compliance stated in the CCR.
 4. The Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations on the nearby agricultural lands for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.
 5. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
 6. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
 7. The PP shall submit the stability status of the existing quarry wall and slope stability action plan by carrying out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus.


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8. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m & upto 1km shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
9. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.
10. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
11. Copy of valid mining lease approval obtained from the competent Authority.
12. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.
13. Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining.
14. Copy of 'No Objection Certificate' for the total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP if any.
15. Details of habitations and fireworks around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
16. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.


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17. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
18. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
19. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
20. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
21. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
22. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - i. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - ii. Quantity of minerals mined out.
 - iii. Highest production achieved in any one year
 - iv. Detail of approved depth of mining.
 - v. Actual depth of the mining achieved earlier.
 - vi. Name of the person already mined in that leases area.

- vii. If EC and CTO already obtained, the copy of the same shall be submitted.
 - viii. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
23. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
24. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
25. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
26. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working
27. methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
28. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
29. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly

be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.

30. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
31. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
32. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
33. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
34. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
35. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
36. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
37. Impact on local transport infrastructure due to the Project should be indicated.


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38. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
39. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
40. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
41. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
42. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
43. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
44. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the
45. DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
46. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.


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47. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
48. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
49. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
50. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
51. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
52. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
53. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
54. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
55. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.


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

Agenda No: 417 - 04

(File No: 10426/2023)

Proposed Rough stone Quarry over an extent of 3.75.0Ha at SF.No. 294 (Part-II) of Venkateshapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s.Sumuka Blue Metals & M Sand - For Terms of Reference.

(SIA/TN/MIN/430916/2023, Dated:26.05.2023)

The proposal was placed in the 417th SEAC Meeting held on 18.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

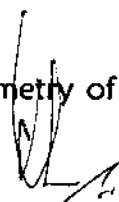
1. The Project Proponent, M/s.Sumuka Blue Metals & M Sand has applied for Terms of Reference for the Proposed Rough stone Quarry over an extent of 3.75.0Ha at SF.No.294 (Part-II) of Venkateshapuram Village, Shoolagiri Taluk, Krishnagiri District,Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. Earlier, EC was accorded to the project proponent by DEIAA vide Lr.No.03/DEIAA-KGI/EC.No.61/2018 dated.27.08.2018 for a period of 5 years from the date of execution of mining lease. EC was accorded for the quantity of 45.03,968m³ of rough stone up to a depth of 148m.
4. Now, based on MoEF&CC O.M dated.24.04.2023, the proponent has submitted the application at SEIAA-TN for re-appraisal of EC granted by DEIAA.

Based on the details furnished by the Project Proponent, the SEAC directed the PP to submit the following details:

1. Last Permit issued for carrying out the mining & transportation of minerals (Rough stone) by the concerned AD (Mines), Department of Geology & Mining.
2. Modified Mining Plan for accommodating the bench geometry of not more


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than 6 m bench height and bench width of not less than the bench height, approved duly by the concerned AD (Mines), Department of Geology & Mining.

3. Certified Compliance Report for the previous EC issued by the DEIAA obtained from the IRO, MoEF & CC, Chennai and action plan for the remedial measures.

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

Agenda No: 417 - 05

(File No: 8322/2023)

Proposed Rough Stone quarry lease over an extent of 0.85.0 Ha at S.F.No.52 of Ekkattampalayam Village, Perundurair Taluk, Erode District, Tamil Nadu by Tmt.G.Banugopal - For Terms of Reference Withdraw. (SIA/TN/MIN/60175/2021 dated: 25.01.2021)

The proposal was placed in 650th Meeting of SEIAA held on 28.08.2023.

The authority noted that the proponent has given a request letter to withdraw and surrender the Terms of Reference issued earlier vide Lr. No. SEIAA-TN/F.No.8322/SEAC/TOR-961/2021 dated 30.04.2021.

In the view of the above, Authority after detailed deliberation decided to forward the proponent's request to SEAC to obtain its remarks regarding the surrender and withdrawal of earlier issued terms of reference.

Now the proposal was placed in the 417th SEAC Meeting held on 18.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Tmt.G.Banugopal has requested for withdrawl of Terms of Reference for the proposed Rough Stone quarry lease over an extent of 0.85.0 Ha at S.F.No. 52 of Ekkatatampalayam Village, Perundurair Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


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3. Earlier, ToR was Issued vide Lr.No.SEIAA-TN/F.No.8322/ToR-961/2021
Dated:30.04.2021.

The SEAC noted that the project proponent request to withdraw and surrender ToR dated 30.04.2021 on the financial grounds. The Committee deliberated the request of PP for withdrawal of ToR based on the request made by the PP.

Based on the presentation and documents furnished by the project proponent, the Committee decided to recommend the case to SEIAA for withdrawal of ToR and delisting the project.

Agenda No: 417- 06

(File No: 9978/2023)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.78.0Ha at SF.No. 1168, 1172/1 & 1172/2 of Thamaraikulam Bit-1 Village, Periyakulam Taluk, Theni District, Tamil Nadu by Thiru.A.Saravanakumar - For Environmental Clearance. (SIA/TN/MIN/424301/2023, Dated: 01.04.2023)

Earlier, the proposal was placed in 388th meeting of SEAC held on 30.06.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru.A.Saravanakumar has applied for Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.78.0Ha at SF.No. 1168, 1172/1 & 1172/2 of Thamaraikulam Bit-1 Village, Periyakulam Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Now the proposal was placed in the 417th SEAC Meeting held on 18.10.2023. The PP stated that due to personal health issues, he was unable to attend the meeting held on 30.06.2023.

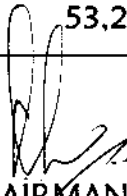

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File No	9978/2023		Category	B2
	SIA/TN/MIN/424301/2023, Dated:01.04.2023			
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru.A.Saravanakumar S/o.Athimoolam, No.3-9/176/11, Nehruji Street, Main Road, Lakshmipuram, Periyakulam Taluk, Theni District-625523.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough stone & Gravel quarry	
3.	S.F Nos. of the quarry site with area break-up	:	1168, 1172/1 And 1172/2	
4.	Village in which situated	:	Thamaraikulam Bit-1	
5.	Taluk in which situated	:	Periyakulam	
6.	District in which situated	:	Theni	
7.	Extent of quarry (in ha.)	:	1.78.0Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	10°05'15.58"N to 10°05'21.26"N 77°33'13.24"E to 77°33'18.68"E	
9.	Topo Sheet No.	:	57- F/12	
10.	Type of mining	:	Opencast Semi-mechanized Mining	
11.	Life of Project	:	5 Years	
	Lease Period	:	5 Years	
	Mining Plan Period	:	5 Years	
12.	Mining Plan Details	:	As per approved Mining Plan	
	Geological Resources m ³	:	Rough stone 6,21,075m ³	Gravel 53,235m ³


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	Minable Resources m ³	:	1,71,470m ³	23,092m ³
	Annual Peak Production in m ³	:	35,130m ³	15,732m ³
	Maximum Depth in meters	:	38m BGL	
13.	Depth of water table	:	50m BGL	
14.	Man Power requirement per day:	:	24 Employees	
15.	Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt	:	2.0 KLD 1.00 KLD 0.50 KLD 0.50 KLD	
16.	Power requirement	:	TNEB 1,41,034 Liters of HSD for the entire period of life	
17.	Precise area communication approved by the Assistant Director, Department of G&M.	:	Na.ka.No.713/kanimam/2022,Dated:20.01.2023.	
18.	Mining Plan approved by Assistant Director, Department of G&M.	:	Roc.No.713/2022/Mines, Dated:30.01.2023	
19.	500m Cluster Letter approved by the Assistant Director, Department of G&M.	:	Roc.No.713/Mines/2022, Dated:09.02.2023.	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:24.03.2023	
21.	Project Cost (excluding EMP cost)	:	Rs. 65,18,000/-	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough stone Gravel
		:	Max Total in m ³	1,71,470m ³ 23,092m ³
		:	Annual Max in m ³	35,130m ³ 15,732m ³


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		:	Max Depth in mtrs	38m BGL
23.	EMP cost (in Rs. Lakh).	:	Rs.68,89,213	
24.	CER cost (in Rs. Lakh).	:	Rs. 3,00,000	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 35,130m³ of Rough stone & 15,732m³ of Gravel by maintaining the ultimate depth of mining up to 38m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. Since the structures including the dam are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
3. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the


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authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.

4. The PP shall furnish an affidavit indicating the Standard Operating Procedures (SoP) for carrying out the 'Best Mining Practices' in the areas of drilling, blasting excavation, transportation and green belt development, in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
5. As a part of monitoring the implementation of eco-friendly blasting operation, the PP shall regularly monitor the blast-induced ground vibrations by installing the DGMS approved 'Vibration Monitoring System (VMS)' at the dam structure through a statutory person appointed for the purposes. A copy of such post-monitoring report shall be submitted to the AD/Mines-DGM, Director of Mines Safety / Chennai Region, the SEIAA-TN, and the IRO/MoEF, as a part of Environmental Compliance without any deviation.
6. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry walls in a hilly terrain within a period of six months from the commencement of mining operations for evaluating the slope stabilization & protective measures at the ultimate pit limits, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
7. As accepted by the Project Proponent, Rs. 3 Lakhs shall be spent towards the conservative measures for Kodaikanal WLS in consultation with the DFO and the CER cost of Rs. 3 Lakhs shall be spent for the activities as committed towards Panchayat Union Primary School, Perumalpuram before obtaining CTO from TNPCB.



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Agenda No: 417-07

(File No: 10420/2023)

Proposed Black Granite (Dolerite) quarry over an extent of 2.80.0 Ha (Government Poramboke land) at S.F. Nos. 397/1 & 404/1 of Guttur Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Om Sri Granites - For Terms of Reference.


(SIA/TN/MIN/445220/2023, Dated: 21.09.2023)

The proposal was placed for appraisal in this 417th meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, M/s. Om Sri Granites has applied seeking Terms of Reference for the proposed Black Granite (Dolerite) quarry over an extent of 2.80.0 Ha (Government Poramboke land) at S.F. Nos. 397/1 & 404/1 of Guttur Village, Bargur Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. The precise area communication was issued for the period of 20 Years. The mining plan is for 5 Years. The annual peak production shall not exceed 6795 m³ ROM which includes 679 m³ of granite recovery (@10%) & 6116 m³ of granite waste (@90%) for the ultimate depth of 17m below ground level.

Based on the presentation made by the project proponent, SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC and additional ToR conditions given in ANNEXURE-I are to be included in EIA/EMP Report:

1. The proponent shall perform a detailed study on flora and fauna of the proposed project site from the Departments of Botany & Zoology, Government Arts college for Men, Krishnagiri District.
2. The Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations on the nearby agricultural lands for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.


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3. The PP shall enumerate the vegetation and trees existing in the proposed quarry site and propose proper remedial action plan for conserving the same.

Agenda No: 417-08

(File No: 9916/2023)

Proposed Rough Stone and Gravel quarry over an extent of 1.41.96 Ha at S.F. Nos. 138/2A (P), 138/3A (P) & 138/4 (P) of Kurumbapalayam Village, Sathyamangalam Taluk, Erode District, Tamil Nadu by Thiru. C. Raja - For Environmental Clearance. (SIA/TN/MIN/422261/2023, Dated: 16.03.2023)

Earlier, the proposal was placed for appraisal in the 386th meeting of SEAC held on 23.06.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

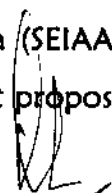
1. The project proponent, Thiru. C. Raja has applied for Environmental Clearance for the Proposed Rough Stone and Gravel quarry over an extent of 1.41.96 Ha at S.F. Nos. 138/2A (P), 138/3A (P) & 138/4 (P) of Kurumbapalayam Village, Sathyamangalam Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the the annual peak production capacity of not exceeding 26,080 m³ of Rough Stone; 4526 m³ of gravel and 9492m³ of Weathered Rock with maintaining an ultimate depth of mining upto 40m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the specific conditions stated therein.

Subsequently, the proposal was placed in the 636th Authority meeting held on 10.07.2023. The Authority, after detailed discussions decided to consider the proposal after obtaining the following particulars from the project proponent:

1. The Authority observed that the quarry of Thiru.N.T.Saisada (SEIAA Proposal number.8357) lies within a distance of 500m from the current proposed quarry


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of Thiru.C.Raja. But the Deputy Director, Dept. of G&M has not mentioned the details of any existing or proposed quarries in the cluster letter issued vide Rc.No.7387/Mines/2018 dated.21.02.2023. Hence, the proponent shall furnish a revised cluster letter obtained from AD/DD of Geology & Mining Department which clearly states the details of all the existing quarries, proposed quarries, lease expired quarries and abandoned quarries that are situated within the radius of 500m from the proposed project site in the prescribed format.

The subject was placed in the 645th Authority meeting held on 08.08.2023. After detailed discussion, the Authority noted as follows:

1. Now, the proponent has furnished a revised cluster letter dated 27.07.2023 obtained from Deputy Director, Dept. of G&M stating the details of the quarries as follows:

(i) Existing quarries:


S No	Name of the Applicant	S.F.Nos	Extent (Hect)	Lease Details
1.	N.T. Saisadha	152/2 and 152/3	1.64.5 Hect	R.C. No. 22023/2017/X-1 dated 23.12.2021. (23.12.2021 to 22.12.2026)

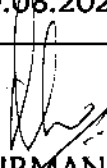
(ii) Proposed quarries:

Sl. No	Name of the Applicant	S.F.Nos	Extent (Hect)	Date of application
1.	C.Raja	138/2A(P), 138/3A(P) and 138/4(P)	1.41.96 Hect	24.03.2018 (Mining Plan approved)
2.	Thirunavukarasu	148/1, 148/11, 148/12, 148/13 and 157/1	2.18.0	02.05.2022
3.	N.T. Saisadha	151 (part) and 152/4	2.28.40 Hect	16.03.2023

(iii) Lease expired and abandoned quarries:

S No	Name of the Applicant	S.F.Nos	Extent (Hect)	Lease Period
1.	M. Ramasamy	139/2, 139/3, 139/4	3.13.5	10.08.2016 to 09.08.2021


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2. The total extent of quarries within 500m radius thus calculated exceeds 5ha, the proposal falls under B1 category.

In view of the above, the Authority decided to refer back the proposal to SEAC for remarks / recommendations on the above mentioned points.

Now, this proposal was again placed in this 417th meeting of SEAC held on 18.10.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEIAA.

SEIAA Query	Reply
<p>The Authority observed that the quarry of Thiru.N.T.Saisada (SEIAA Proposal number.8357) lies within a distance of 500m from the current proposed quarry of Thiru.C.Raja. But the Deputy Director, Dept. of G&M has not mentioned the details of any existing or proposed quarries in the cluster letter issued vide Rc.No.7387/Mines/2018 dated.21.02.2023. Hence, the proponent shall furnish a revised cluster letter obtained from AD/DD of Geology & Mining Department which clearly states the details of all the existing quarries, proposed quarries, lease expired quarries and abandoned quarries that are situated within the radius of 500m from the proposed project site in the prescribed format.</p>	<ul style="list-style-type: none"> • The Project Proponent obtained revised 500m radius letter from the Deputy Director, Dept. of Geology & Mining, Erode vide Letter no. R.c. No. 7387/Mines/2018, dated: 27.07.2023. • Total Extent of the Proposed and Existing Quarries within the radius of 500m = 3.06.46 ha (Considering only One Proposed and One Existing as other two proposed quarries have not been recommended with Precise Area Communication letter yet.)

Based on the presentation made and the documents furnished by the Project proponent, SEAC decided to reiterate its recommendation already made in its 386th SEAC meeting held on 23.06.2023. All other conditions mentioned in the minutes will remain unchanged and unaltered.


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Agenda No: 417-09

(File No: 4389/2022)

Existing Colour Granite quarry over an extent of 15.23.5 Ha at S.F. No. 176/1 (Part) of Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited – Amendment for Environmental Clearance.

(SIA/TN/MIN/302540/2023, Dated: 25.07.2023)

The proposal was placed in this 417th meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The proponent M/s. Tamil Nadu Minerals Limited has obtained Environmental Clearance vide Lr. No.SEIAA-TN/F.No.4389/EC/1(a)/3975/2018 dated: 30.04.2018 for the existing Colour Granite quarry lease area over an extent of 15.23.5 Ha at S.F.No. 176/1(Part) of Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu, for the production of Colour Granite 12068 m³, for the period of 5 Years from the date of Execution of mining lease.
2. Subsequently, the proponent has obtained EC Amendment vide Lr. No.SEIAA-TN/F.No.4389/EC/1(a)/3975/Amendment/2023 dated: 23.05.2023 for the production of 24,150 m³ ROM which includes 12,075 m³ of Colour Granite (50% recovery) and 12,075 m³ of Colour Granite waste.
3. Now, the proponent has applied for extension of validity of earlier issued EC in Form 6 vide SIA/TN/MIN/302540/2023, dated: 25.07.2023 as per MoEF&CC Notification S.O. 1807(E) dated: 12.04.2022 and MoEF&CC O.M. dated: 13.12.2022.
4. PP has requested the following amendment.

Production quantity as per previous EC Amendment	Amendment Sought
Annual Peak RoM: 24,150 m ³ Annual Peak Production of Colour Granite (50% recovery): 12,075 m ³ EC period: Valid upto 28.12.2023	Annual Peak RoM: 24,230 m ³ Annual Peak Production of Colour Granite (50% recovery): 12,115 m ³ EC Period: 2023-2024 to 2027-2028 (29.12.2023 to 28.12.2028) Ultimate Depth of Mining: 30m


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5. Earlier, the proposal for amendment of EC was placed in the 647th Authority meeting held on 21.08.2023. After detailed discussion, the authority decided to forward the proposal to SEAC for remarks and recommendations.

Based on the presentation & documents furnished by the PP, SEAC decided to recommend for the grant of the following amendment in the Environmental Clearance, issued subject to following specific conditions.

Production quantity as per previous EC Amendment	Amendment Recommended
Annual Peak RoM: 24,150 m ³	Annual Peak RoM: 24,230 m ³
Annual Peak Production of Colour Granite (50% recovery): 12,075 m ³	Annual Peak Production of Colour Granite (50% recovery): 12,115 m ³
EC period: Valid upto 28.12.2023	EC Period: 2023-2024 to 2027-2028 (29.12.2023 to 28.12.2028)
	Ultimate Depth of Mining: 30m

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. All other conditions as mentioned in the EC vide Lr. No.SEIAA-TN/F.No.4389/EC/1(a)/3975/2018 dated: 30.04.2018 will remains unchanged & unaltered.

Agenda No: 417-10

(File No: 10084/2023)

Proposed Fireclay quarry over an extent of 3.21.5 Ha at S. F. Nos. 336/4 (Part), 336/5, 336/8 & 336/9 (Part) of Therani Village, Alathur Taluk, Perambalur District, Tamil Nadu by Thiru. C. Senthil Kumar - For Terms of Reference.

(SIA/TN/MIN/430996/2023, Dated: 27.05.2023)

Earlier, the proposal was placed for appraisal in the 393rd meeting of SEAC held on 20.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru. C. Senthil Kumar has applied seeking Terms of


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Reference for the proposed Fireclay quarry over an extent of 3.21.5 Ha at S.F.Nos. 336/4 (Part), 336/5, 336/8 & 336/9 (Part) of Therani Village, Alathur Taluk, Perambalur District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. Earlier the project proponent has obtained EC from DEIAA vide Lr.No.DEIAA-PBR/F.No.222/5(a)/EC.No.1/G&M/2018 dated. 23.07.2018 with the validity of EC co-terminating with the mining lease period. Lease period is 10 years.
4. This EC issued by the DEIAA has been filed before the SEIAA-TN for reappraisal in compliance to the order of the Hon'ble NGT in O.A142 of 2022 as per the Guidelines stipulated in MoEF &CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for Terms of Reference (TOR) with Public Hearing subject to the additional TORs stated therein, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report.

Subsequently, the proposal was placed in the 643rd Authority meeting held on 01.08.2023. The Authority noted that this proposal was placed for appraisal in 393rd SEAC meeting held on 20.07.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minutes.

The proposal was again placed in the 647th Authority meeting held on 21.08.2023. After detailed discussion, the authority noted as follows:

1. In the minutes of 393rd SEAC meeting held on 20.07.2023, the SEAC has stated the following:


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The proponent shall give an Affidavit before the issuance of ToR from SEIAA-TN stating that the mining operations will remain suspended till they obtain the EC granted by the SEIAA after the reappraisal process as per MoEF &CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.

2. Email was communicated on 02.08.2023 requesting proponent to furnish an affidavit as indicated in the 393rd SEAC meeting stating that the mining operations will remain suspended till they obtain EC from the SEIAA after the reappraisal process as per MoEF&CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.
3. Till date, the proponent has not furnished an affidavit as requested by the SEAC.

In view of the above, the Authority decided to refer back the proposal to SEAC for further remarks.

Hence, this proposal was placed in this 417th meeting of SEAC held on 18.10.2023. The Committee noted that the proponent has submitted an Affidavit on 04.10.2023 stating that the mining operations will remain suspended till they obtain the EC granted by the SEIAA after the reappraisal process as per MoEF &CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023. Therefore, SEAC decided to reiterate its recommendation already made in its 393rd SEAC meeting held on 20.07.2023. All other conditions mentioned in the minutes will remain unchanged and unaltered.


Agenda No: 417-11

(File No: 7434/2020)

Proposed Rough Stone and Gravel quarry over an extent of 1.17.0 Ha at S.F. Nos. 277/1C1A(Part) and 277/1B(Part) of Servaikaranpalayam Village, Pollachi Taluk, Coimbatore District by Thiru. P. Shanmugavadivelu - For Environmental Clearance.

(SIA/TN/MIN/140952/2020, Dated: 11.02.2020)

The proposal was placed for appraisal in this 417th meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:


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1. The project proponent, Thiru. P. Shanmugavadivelu has applied for the Environmental Clearance for the Proposed Rough Stone and Gravel quarry over an extent of 1.17.0 Ha at S.F. Nos. 277/1C1A(Part) and 277/1B(Part), Servaikkaranpalayam Village, Pollachi Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 125475 m³ of Rough stone and 8052 m³ of gravel. The Annual peak production as per mining plan is 27825 m³ of Rough stone (5th year) & 2706 m³ of gravel (2nd & 3rd year) with ultimate depth of 36m(BGL).
4. Earlier, the proposal was placed in the 157th SEAC meeting held on 20.06.2020. The Project Proponent has not turned up for the meeting.
5. This proposal was again placed before 266th SEAC meeting held on 27.4.2022. The Project proponent made a presentation along with reason for absent on previous meeting.
6. Based on the presentation and document furnished by the project proponent, SEAC recommended the proposal for the grant of Environmental Clearance subject to certain conditions stated therein.
7. Subsequently, the proposal was placed in the 511th SEIAA meeting held on 25.05.2022. The Authority noted that the Koraiyar River is 22m from the proposed site. Koraiyar River is a rich riverine ecosystem. Quarrying activity close to such a river can result in ecological disaster. The free ranging wild life and the flow of water in the river may get impacted. Hence, such environmentally fragile areas, rich in water and Agriculture / Horticulture ecosystem should be completely protected.
In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal.
8. The proposal placed for appraisal in the 294th meeting of SEAC held on 14.07.2022. The PP requested time to prepare a detailed report on the points raised by the Authority. Hence the committee decided to defer the project.


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On receipt of reply from the proponent, the proposal was again placed in this 417th meeting of SEAC held on 18.10.2023.

Based on the presentation and documents furnished by the project proponent, the SEAC has noted that:

- (i) In the Hydrogeological study report furnished by the proponent, it is clearly mentioned that the top soil is found upto a depth of 4m to 9m from surface and the existence of the fractured rock structure below the ground level indicating that the said quarry site is highly suitable for cultivation / agricultural purposes.
- (ii) Besides, a series of check dams are located in a nearby river course which are vulnerable to the blasting operations in the proposed quarry.
- (iii) The site identified for the quarrying is also a fresh terrain/ground.

Hence, in the light of the findings of the study, the SEAC decided to withdraw the earlier decision of recommending the proposal and to not to recommend the proposal for the grant of Environmental Clearance due to the above reasons.

Agenda No: 417 - 12


File No. 5993/2015

Proposal seeking CRZ Clearances for the proposed Construction of 3 Groynes (G1-800 m, G2-500 m & G3 (Training Wall) at Keelavaippar Village, Vilathikulam Taluk, Thoothukkudi District by the project proponent Executive Engineer, PWD/WRD Special Project Division - Environmental Clearance. (SIA/TN/MIS/31159/2015 Dt:19.09.2015)

The proposal was placed in the 417th SEAC Meeting held on 18.10.2023. The details of the minutes are available in the website (Parivesh.nic.in).

The SEAC noted the following:

1. The project proponent Executive Engineer, PWD/WRD Special Project Division has applied for proposal seeking Environmental Clearance on 27.02.2016 for the proposed Construction of 3 Groynes (G1-800 m, G2-500 m & G3 (Training Wall) at Keelavaippar Village, Vilathikulam Taluk, Thoothukkudi District.
2. This proposal fall under 7(e) - Breakwater as per O.M Dt: 26.04.2022.


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3. Earlier, the proposal was placed in the 106th meeting held on 04.04.2018. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of CRZ Clearance to SEIAA subject to the certain specific conditions in addition to the normal conditions.
4. Subsequently, the proposal was placed in the 327th AEIAA meeting held on 30.07.2018 and the Authority decided to defer the proposal for further discussion. In continuation, the proposal was placed in the 328th SEIAA meeting held on 01.08.2018 and the Authority decided to defer the proposal that the Hon'ble National Green Tribunal principal bench, New Delhi, O.A.No.430 of 2018 dated 23.07.2018 stated that the process of approving the parameters of hazard line was to be finalized within 3 months based on which Coastal Zone Management Plans (CZMPs) were to be finalized. All the development activities will be governed by such plans and no Environmental Clearance for any development activity in the regulated area should be granted to defeat such exercise. Timeline was laid down for submission of CZMPs i.e. April 30, 2018. The MoEF & CC has finalized the approval for the hazard line by 31.07.2018. The State Government through the Department of Environment has already submitted the report to MoEF & CC, GOI. Hence SEIAA decided to defer the proposal until such time the integrated report is approved by GOI.
5. The proposal was again placed in the 335th SEIAA meeting held on 31.12.2018 and the authority decided to obtain the necessary clarification from District Level Coastal Zone Management Authority, Thothukudi District regarding the current ground status of the project, whether any works executed/commenced by the PWD for the aforesaid project and also the authority decided that further course of action on this application will be considered only after the receipt of reply received from District Level Coastal Zone Management Authority, Thothukudi District.
6. The subject was again placed in the 648th authority meeting held on 22.08.2023. The authority noted that the Chairman (DLCZMA) / District Collector has furnished reply dt: 28.07.2023 received Dt: 04.08.2023 for the

additional particulars sought 328th & 335th in the authority meeting held on 01.08.2018 & 31.12.2018 stating that the works related to the some Groynes were completed and some were commenced yet to complete. In view of the above and the MoEF&CC OM Dt: 26.04.2022, authority after detailed discussions, the decided to refer back the proposal to SEAC.

During the 417th SEAC meeting held on 18.10.2023. The project proponent was found to be absent and SEAC noted that the PP has submitted request for withdraw and the committee decided to defer this proposal and to take up in the any one of the forthcoming meeting.


Agenda No. 417-13.

(File No. 9536/2022)

Proposed Red Earth Quarry over an extent of 1.46.45Ha at at SF.No.51/7A1, 51/7B, 51/8A & 51/8B1 of Kadagampattu Village, Vanur Taluk, Villupuram District, Tamil Nadu by Mr.K.Vijayan - for Environmental Clearance. (SIA/TN/MIN/404485/2022, Dt: 28.10.2022)

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

1. Now, the Project Proponent, Mr.K.Vijayan has applied for Environmental Clearance for the proposed Red Earth Quarry over an extent of 1.46.45Ha at SF.No.51/7A1, 51/7B, 51/8A & 51/8B1 of Kadagampattu Village, Vanur Taluk, Villupuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication/lease is issued for the period of 2 Years. The approved mining plan is for the period of 2 Years & production should not exceed 16632m³ of Red Earth Quarry and the annual peak production shall not exceed 8400 Cu.m of Red Earth Quarry. The ultimate depth is 2m BGL.



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Sl. No	Details of the Proposal	Data Furnished
1	Name of the Owner/Firm	Mr.K.Vijayan, S/o.Mr.Kannaiyan, No.22A, Mariyamman Kovil Street, Kadagampattu Village. Vanur Taluk, Viluppuram District – 605502.
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	Red Earth
3	S.F No. Of the quarry site with area break-up	51/7A1, 51/7B, 51/8A & 51/8B1
4	Village in which situated	Kadagampattu
5	Taluk in which situated	Vanur
6	District in which situated	Villupuram
7	Extent of quarry (in ha.)	1.46.45Ha
8	Latitude & Longitude of all corners of the quarry site	12°1'36.23"N to 12°1'40.33"N 79°40'6.83"E to 79°40'12.49"E
9	Topo Sheet No.	57 – P/12
10	Type of mining	Opencast Semi - Mechanized of Mining
11	Period of quarrying proposed	2 years
12	Production (Quantity in m ³)	16632m ³ of Red Earth
13	Depth of quarrying	2.0m
14	Depth of water table	25m – 20m BGL
15	Man Power requirement per day:	6 Nos.
16	Source of Water Requirement	water vendors
17	Water requirement: 1. Drinking & domestic purposes (in KLD)	2.0 KLD 1.0 KLD


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	2. Dust suppression, Green Belt & Wet Drilling (in KLD)	0.5 KLD 0.5 KLD
18	Power requirement	TNEB
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	: Rc.No.A/G&M/31/2020, dt: 28.09.2022
21	Mining Plan approved by Assistant Director, Department of Geology and Mining with date	: Roc.No.A/G&M/31/2020, dt: 14.10.2022
22	Deputy Director, Department of Geology and Mining 500m cluster letter	Roc.No.A/G&M/31/2020, dt: 17.10.2022
23	VAO certificate regarding 300m radius cluster	Letter dt: 26.02.2022.
24	Project Cost (excluding EMP cost)	: Rs.8.53 Lakhs
25	EMP cost	: Rs.7.76 Lakhs/2 Years
26	CER cost	Rs.3.75 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance *for the period of 2 Years* for the production quantity of 16632m³ of Red Earth & the ultimate depth of mining upto 2m BGL subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions stated therein.

Subsequently, the subject was placed in 608th Authority meeting held on 03.04.2023.

The Authority decided to defer and seek additional particulars as follows

1. The PP shall furnish necessary amendment for mineral name from 'Red Earth' to 'Ordinary Earth' in the mining plan as per Industries, Investment Promotion and Commerce Department G.O.(MS)No.244 dt.14.12.2022.


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Again, the subject was placed in the 648th authority meeting held on 22.08.2023. The authority noted that the PP has furnished reply dt: 03.08.2023 for the additional particulars sought 608th in the authority meeting held on 05.04.2023 & 06.04.2023 in which AD, Dept. Geology & Mining in its letter Dt: 10.05.2023 has recommended for mineral name from Red Earth to Lateritic Soil (Red Soil) instead of Ordinary Earth as per G.O. (MS). No. 244 Dt:14.12.2022. In view of the above, after detailed discussions, the Authority decided to refer back the proposal to SEAC.

The proposal was again placed in the 417th SEAC Meeting held on 18.10.2023 and the SEAC noted that the PP has submitted AD, Dept. Geology & Mining, Villupuram vide letter Dt: 21.09.2023 stating that the change in mineral name from Red Earth to Ordinary Earth as per G.O. (MS). No. 244 Dt:14.12.2022.

In this connection, based on the presentation & documents furnished and the Committee carefully examined the points raised by SEIAA and the replies given by the PP. After detailed discussion committee decided to re-confirm the recommendation already made in 362nd SEAC Meeting held on 13.03.2023.


Agenda No.417 – 14.

File No.9670/2022

Proposed Red Earth Quarry lease over an extent of 1.84.0Ha (Patta Land) at S.F.No.94/2H, Vadukanathankuppam Village, Viluppuram Taluk, Viluppuram District by Mr.V.Parasuraman – for Environmental Clearance.

Earlier, the proposal was placed in 365th SEAC meeting held on 24.03.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). **The SEAC noted the following:**

1. The Project Proponent, Mr.V.Parasuraman has applied for Environmental Clearance for the Proposed Red Earth Quarry lease over an extent of 1.84.0Ha (Patta Land) at S.F.No.94/2H, Vadukanathankuppam Village, Viluppuram Taluk, Viluppuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The precise area communication/lease is issued for the period of 3 Years. The


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approved mining plan is for the period of 3 Years & production should not exceed 29082 m³ of Red Earth and the annual peak production shall not exceed 9786 Cu.m of Red Earth. The ultimate depth is 2m BGL.

Sl. No	Details of the Proposal	: Data Furnished
1	Name of the Owner/Firm	: Mr.V.Parasuraman, S/o.Mr.Veerappan, No.35, Mariyamman Kovil Street, Kallapattu Village, Viluppuram Taluk & District
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite)	: Red Earth
3	S.F No. Of the quarry site with area break-up	: 94/2H
4	Village in which situated	: Vadukanathankuppam
5	Taluk in which situated	: Viluppuram
6	District in which situated	: Viluppuram
7	Extent of quarry (in ha.)	: 1.84.0Ha
8	Latitude & Longitude of all corners of the quarry site	: 11°57'13.98"N to 11°57'20.19"N 79°34'31.28"E to 79°34'37.44"E
9	Topo Sheet No.	: 58 – M/09
10	Type of mining	: Opencast Semi-Mechanized of Mining
11	Lease Period of quarrying proposed	: 3 Years
12	Production (Quantity in m ³)	: 29082m ³ of Red Earth
13	Ultimate Depth of quarrying	: 2.0m BGL
14	Depth of water table	: 25m-20m BGL
15	Man Power requirement per day:	: 7 Nos.
16	Source of Water Requirement	: water vendors
17	Water requirement:	: 2.0 KLD

	1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	1.0 KLD 0.5 KLD 0.5 KLD
18	Power requirement a. Domestic Purpose b. Industrial Purpose	TNEB 7760 Liters of HSD
19	Whether any habitation within 300m distance	: No
20	Precise area communication approved by the, District Collector, Department of Geology and Mining with date	: Na.Ka.No.B/G&M/244/2022, dt: 08.11.2022
21	Mining Plan approved by Deputy Director, Department of Geology and Mining with date	: Roc.No.B/G&M/244/2022, dt: 17.11.2022
22	Deputy Director, Department of Geology and Mining 500m cluster letter	Roc.No.B/G&M/244/2022, dt: 17.11.2022
23	VAO certificate regarding 300m radius cluster	Letter dt: 26.11.2022.
24	Project Cost	: Rs.3.56 Lakh
25	EMP cost	: Rs.10.97 Lakhs/3 Years
26	CER cost	Rs.2.0 Lakhs

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance *for the period of not more than 3Years* for the production quantity of 29082 m³ of Red Earth and the annual peak production shall not exceed 9786 Cu.m of Red Earth & the ultimate depth of mining upto 2m BGL subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions stated therein.


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Subsequently, the subject was placed in 612th authority meeting held on 12.04.2023. The authority after detailed discussion decided to defer and decided the direct the PP to furnish following additional particulars

- i) The PP shall obtain and furnish necessary amendment for mineral name from 'Red Earth' to 'Ordinary Earth ' in the mining plan & other documents as per Industries, Investment Promotion and Commerce Department G.O.(MS)No.244 dt.14.12.2022.
- ii) The PP shall submit NOC from Agricultural department that the proposed mining lease area is not fit for agriculture purpose and NOC for Local panchayat.
- iii)The PP shall submit composition heavy mineral such as ilmenite, Garnet, Rutile, etc.
- iv)The PP shall furnish details of impacts and mitigation measures on agricultural fields, drainage pattern, water table around the proposed mining area.

Again, the subject was placed in the 648th Authority meeting held on 22.08.2023. The Authority noted that the PP has furnished reply dt: 03.08.2023 for the additional particulars sought 608th in the Authority meeting held on 05.04.2023 & 06.04.2023 in which AD, Dept. Geology & Mining in its letter Dt: 10.05.2023 has recommended for mineral name from Red Earth to Lateritic Soil (Red Soil) instead of Ordinary Earth as per G.O. (MS). No. 244 Dt:14.12.2022.In view of the above, after detailed discussions, the Authority decided to refer back the proposal to SEAC.

The proposal was again placed in the 417th SEAC Meeting held on 18.10.2023 and the SEAC noted that the PP has submitted AD, Dept. Geology & Mining,Villupuram vide letter Dt: 21.09.2023 stating that the change in mineral name from Red Earth to Ordinary Earth as per G.O. (MS). No. 244 Dt:14.12.2022.

In this connection, based on the presentation & documents furnished and the Committee carefully examined the points raised by SEIAA and the replies given by the PP. After detailed discussion committee decided to re-confirm the recommendation already made in 365th SEAC Meeting held on 24.03.2023.


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Agenda No: 417- 15. (File No: 9838/2023)


Proposed Rough Stone & Gravel Quarry lease over an extent of 2.15.0Ha S.F.No.538 (Part), Thennilai East Village, Pugalur Taluk, Karur District by M/s. Sri Balamali Murugan Blue Metals – for Environmental Clearance. (SIA/TN/MIN/414121/2023, dt: 18.02.2023)

Earlier, this proposal was placed in 375th SEAC meeting held on 04.05.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, M/s. Sri Balamali Murugan Blue Metals has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 2.15.0Ha S.F.No.538 (Part), Thennilai East Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The precise area communication is issued for the period of 5Years. The approved mining plan is for the period of five years & production should not exceed 213101m³ of Rough Stone & 16m³ of Gravel. The depth of mining is 60m BGL.

SEAC noted that the project proponent (Tvl. Sri Balamalai Murugan Blue Metals) has already obtained Terms of Reference with Public Hearing vide Lr. No. SEIAA-TN/F.No.8828/SEAC/ToR-1098/2021 Dated:21.03.2022 for the proposed Rough stone and Gravel for over an extent of 4.18.0 ha of Patta land in S.F.No.538 of Thennilai (East) Village, Pugalur Taluk, Karur District, Tamil Nadu.

Based on the presentation made by the project proponent, it was observed that the EIA Coordinator and the PP has not disclosed the history of the previous application seeking TOR vide F.No.8828 / Proposal No. - 68107/2021 that they have obtained Terms of Reference with Public Hearing for the proposed Rough stone and Gravel for over an extent of 4.18.0 ha of Patta land in S.F.No.538 of Thennilai (East) Village, Pugalur Taluk, Karur District. But now the PP has filed new application vide file No. 9838/ Proposal No. 414121/2023 with reduced extent of mining lease area of 2.15.0 Ha with revised mandatory documents with the intention to avoid public hearing.


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In view of the above, SEAC has decided to call for explanation from PP and EIA Coordinator for not disclosing the history of the previous application (F.No.8828 – Proposal No. - 68107/2021).

Subsequently, the proposal was placed in the 622nd SEIAA meeting held on 26.05.2023. The authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 04.05.2023.

The project Proponent has furnished reply on 20.07.2023. The proposal was again placed in 397th SEAC meeting held on 03.08.2023.

During SEAC meeting, Committee noted PP and EIA Coordinator has furnished explanation for not disclosing history of the previous application (F.No.8828 – Proposal No. - 68107/2021) of the earlier proposed Rough stone and Gravel for over an extent of 4.18.0 ha of Patta land in S.F.No.538 of Thennilai (East) Village, Pugalur Taluk, Karur District which was already issued with Terms of Reference with Public Hearing vide Lr. No. SEIAA-TN/F.No.8828/SEAC/ToR-1098/2021 Dated:21.03.2022. In this regard, SEAC after detailed discussion has decided to accept PP's request for withdraw in regard to the F.No.8828 – Proposal No. - 68107/2021, since the proponent has revised all the documents from Dept. of Geology & Mining to the new proposal seeking Environmental Clearance for the Proposed Rough Stone & Gravel Quarry lease over an extent of 2.15.0Ha S.F.No.538 (Part), Thennilai East Village, Pugalur Taluk, Karur District, Tamil Nadu.

Further, based on the presentation and on careful examination of reply furnished by the project proponent. The SEAC decided to call for following additional particulars

1. The project proponent shall furnish Certified Compliance Report (CCR) obtained from IRO(SZ), MoEF&CC and with mitigation measures for the non-compliance stated therein.
2. The details of Existing pit dimension, quantity of the mineral quarried and last transport permit for the earlier lease period from Dept. Of Geology & Mining.
3. The Details of penalty levied from Dept. Of Geology & Mining, if any.
4. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of


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occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.

5. Since the quarry is existing with a depth of excavation of 22 m without benches of appropriate dimension (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall carry out a 'Slope Stability Assessment Studies' for the existing conditions of the quarry wall by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, NIRM - Bengaluru, IIT-Madras, NIT Surathkal – Dept of Mining Engg, and Anna University Chennai –Dept of Mining Engg. The above studies shall spell out 'a 'Slope Stability Action Plan' for the proposed quarry covering the existing condition of the quarry wall including the overall pit slope angle and it shall cover the aspects of stability of quarry walls including the access ramp keeping the benches intact.

6. The Revised EMP for the life of the mine including mine closure plan.

Subsequently, the subject was placed in the 648th Authority meeting held on 22.08.2023. The Authority decided that SEAC may examine whether there are any office memorandum/ notifications in connection to withdraw of ToR already granted, since the PP has not disclosed the history and submitted fresh application seeking EC under B2 category for a smaller area. The PP request for withdraw of ToR to avoid public hearing may be examined and authority feels no case to consider this request of PP.


The proposal was again placed in the 417th SEAC Meeting held on 18.10.2023 and during presentation the PP has requested the Committee for additional time to submit the additional details sought by SEAC and SEIAA.

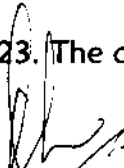
Agenda No: 417-16

(File No: 10415/2023)

Proposed Rough stone Quarry over an extent of 1.90.0Ha at S.F.Nos. 2202/1 of (part-1B) of Allinagaram Village, Theni Taluk, Theni District, Tamil Nadu by Tmt. C. Seeniyammal, Tvl. Nila Magalir Sangam - For Terms of Reference. (SIA/TN/MIN/443848/2023, Dated:12.09.2023).

The proposal was placed in the 417th Meeting of SEAC held on 18.10.2023. The details


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of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Tmt. C. Seeniyammal, Tvl. Nila Magalir Sangam has applied for Terms of Reference for the Proposed Rough stone Quarry over an extent of 1.90.0Ha at S.F.Nos. 2202/1 of (part-1B) of Allinagaram Village, Theni Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Precise area was communicated to Tmt.C. Seeniyammal, President of Tvl. Nila Mahalir Sangam for the grant of rough stone quarry lease over an extent of 1.90.0 Ha in Government Poramboke Land at S.F. No. 2202/1 (Part-1B) of Allinagaram Village, Theni Taluk and District, Tamil Nadu under 8(10-A) (SGSY Scheme) of Tamil Nadu Minor Mineral Concession Rules, 1959 vide RoC.141/Mines/2016 dated 08.12.2015 for the period of 5 years.
4. Further mining plan was submitted and approved by Department of Geology and Mining vide Roc.No.141/Mines/2016 dated: 17.04.2017 and obtained Environmental Clearance from DEIAA vide Lr.No.DEIAA/TN/F.No.7999/2017/DEIAA/THN/F.No. 00027/2017, Dated 01.09.2017, and thereafter no lease deed was executed.
5. This EC issued by the DEIAA has been filed before the SEIAA-TN for reappraisal in compliance to the order of the Hon'ble NGT in O.A142 of 2022 as per the Guidelines stipulated in MoEF &CC OM F.No. 1A3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.
6. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 1,83,735 m³ of Rough stone with ultimate depth of mining 40m (20 AGL + 20mBGL).

Based on the presentation and details furnished by the project proponent, SEAC decided to grant Terms of Reference (TOR) with Public Hearing subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/VEMP Report:


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1. For the existing quarry, the PP shall obtain a letter from the concerned AD (Mines) which shall stipulate the following information:
 - i. Original pit dimension of the existing quarry
 - ii. Quantity achieved Vs EC Approved Quantity
 - iii. Balance Quantity as per Mineable Reserve calculated.
 - iv. Mined out Depth as on date Vs EC Permitted depth
 - v. Details of illegal/illicit mining carried out, if any
 - vi. Non-compliance/Violation in the quarry during the past working.
 - vii. Quantity of material mined out outside the mine lease area (or) in the adjacent quarry/land.
 - viii. Existing condition of Safety zone/benches
 - ix. Details of any penalties levied on the PP for any violation in the quarry operation
3. The project proponent shall submit a Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai as per the MoEF&CC O.M dated.08.06.2022 for the previous EC dated.27.08.2018 and appropriate mitigating measures for the non-compliance items, if any.
4. The PP shall submit the stability status of the existing quarry wall and slope stability action plan by carrying out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus.
5. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m & upto 1km shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
6. The study on impact of the proposed quarrying operations on the surrounding environment which includes water bodies, Odai etc.,


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7. The Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations on the nearby agricultural lands for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.

Agenda No: 417-17

(File No: 10429/2023)

Proposed Rough Stone Quarry over an extent of 2.80.0 Ha at S.F.No.136(Part-1) of Venkatesapuram Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.S.Chinnanna For Terms of Reference. (SIA/TN/MIN/442366/2023, Dated: 22.09.2023).

The proposal was placed in the 417th Meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru.S.Chinnanna has applied for Terms of Reference for the Proposed Rough Stone Quarry over an extent of 2.80.0 Ha at S.F.No.136(Part-1) of Venkatesapuram Village, Hosur Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Precise area was communicated vide Roc.No.72/2016/mines, Dated: 29.02.2016.
4. Earlier, the Proponent has applied for obtaining EC (File.No. 5318/2016). The Proponent was requested to furnish the present status of the proposal and reason for not attending the SEAC meeting held 01.09.2016 & 02.09.2016. subsequently, the proposal was closed and recorded.
5. Further, the PP has applied for obtaining EC vide (SIA/TN/MIN/437327/2023 dt. 19.07.2023) File.No. 10252/2023. This proposal was placed in the 412th meeting of SEAC held on 04.10.2023. During the meeting, the EIA Coordinator stated that PP would like to withdraw the proposal as it was wrongly applied for obtaining the prior EC under B2 category instead of applying for ToR application under B1 category. Hence, the SEAC decided that SEIAA may


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accordingly decide on the application to withdraw the current application as and when received from the PP.

6. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 330344 m³ of rough stone with ultimate depth of mining 43m.

Based on the presentation and details furnished by the project proponent, SEAC decided to grant Terms of Reference (TOR) with Public Hearing subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. For the existing quarry, the PP shall obtain a letter from the concerned AD (Mines) which shall stipulate the following information:
 - x. Original pit dimension of the existing quarry
 - xi. Balance Quantity as per Mineable Reserve calculated.
 - xii. Mined out Depth as on date and depth of water
 - xiii. Details of illegal/illicit mining carried out, if any
 - xiv. Non-compliance/Violation in the quarry during the past working.
 - xv. Quantity of material mined out outside the mine lease area (or) in the adjacent quarry/land.
 - xvi. Existing condition of Safety zone/benches
 - xvii. Details of any penalties levied on the PP for any violation in the quarry operation
2. The PP shall submit the slope stability studies on the existing quarry wall and slope stability action plan by carrying out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus.


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3. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m & upto 1km shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
4. The study on impact of the proposed quarrying operations on the surrounding environment which includes water bodies, Odai etc.,
5. The Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations on the nearby agricultural lands for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.

Agenda No: 417-18

(File No: 9657/2022)

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

The proposal was earlier placed in the 365th meeting of SEAC held on 24.03.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Tmt. K. Subbulakshmi has applied for Environmental Clearance for the Proposed Rough Stone & Gravel lease over an extent of 1.00.0 Ha (patta land) at S.F.No's: 35/2 (P) of Agrahara Periyapalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 34,750 m³ of Rough Stone & 13,280 m³ of Gravel. The annual peak production is 7110 m³ of Rough Stone & 5,440 m³ of Gravel up to a depth of 27m (2m Gravel+25m Rough Stone) BGL.


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

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

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

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


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4. Further, the Reg. 109 of Metalliferrous Mines Regulations 1961 (MMR 1961) states that

"..... Workings under railways and roads, etc. – (1) No workings shall be made and no work of extraction or reduction of pillars shall be conducted at, or extended to, any point within 45 metres of any railway, or of any public works in respect of which this regulation is applicable by reason of any general or special order of the Central Government, or of any public road or building, or of other permanent structure not belonging to the owner of the mine, without the prior permission in writing of the Chief Inspector and subject to such conditions as he may specify therein....."


From the presentation made and documents submitted by the PP, the SEAC after having the detailed discussions and in view of the additional information now made available, decided not to recommend the proposal for Environmental Clearance.

Subsequently, the subject was placed in the 648th Authority meeting held on 22.08.2023. The Authority noted that the Proponent had submitted a representation vide letter dated: 23.08.2023 to reconsider the proposal for grant of EC. SEIAA accepts the decision of SEAC but decided to forward the proposal to SEAC for perusal on the representation received by the O/o SEIAA for further course of action.

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

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

On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.


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Agenda No: 417-19

(File No: 10168/2023)


Proposed Rough Stone and Gravel Quarry over an extent of 2.17.5 Ha at S.F.No.21/1, 2, 3, 4, 5, 6 & 7 of Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by Thiru.R. Suriyakanth -For Environmental Clearance. (SIA/TN/MIN/434561/2023, Dated: 24.06.2023).

The proposal was earlier placed in the 402nd Meeting of SEAC held on 17.08.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru.R. Suriyakanth has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry over an extent of 2.17.5 Ha at S.F.No.21/1, 2, 3, 4, 5, 6 & 7 of Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period of ten years & production should not exceed 288876 m³ of Rough Stone & 33532 m³ of Gravel with ultimate depth of mining 40m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 33,875m³ of rough stone & 13,114m³ of Gravel by maintaining the ultimate depth of mining upto 40m BGL and subject to the standard conditions as per the Annexure I of the minutes & normal conditions stipulated by MOEF &CC, in addition to the specific conditions stated therein.

Subsequently, the subject was placed in the 653rd authority meeting held on 11.09.2023. The Authority noted that the SEAC has recommended the project for a period of 10 years. In this regard, the authority decided to refer back the proposal to SEAC to obtain additional suggestion from SEAC on guidelines for regulating, monitoring the quarry covering 10 years period to ensure sustainable mining and post mining regulations for bringing ecological stability. The recommendation may


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include the following:

- frequency of monitoring.
- the check and balances to ensure EMP implementation including mine restoration and closure.
- Worker safety, Health and Hygiene.
- Green belt Development.
- adhere to mining plan and EC stipulations.
- Returns in support of CER.

Hence, the proposal was again placed in the 417th Meeting of SEAC held on 16.10.2023. The Project proponent made a presentation along with the clarifications for the above shortcomings observed by the SEIAA.

S.NO	Environment Attributes	Frequency	Reporting Authority
1.	Frequency of Monitoring		
	Air Quality	Once in 6 months As per the air (prevention and control of presentation) Act 1974 & 1981	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
	Water Quality Monitoring	Once in 6 months As per the Water (prevention and control of presentation) Act 1974 & 1988	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
	Groundwater level	Once in 6 months As per the Ministry of Jal Shakthi, CGWA, Notification S.O. 1590 (E) dated 29.03.2023	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
	Noise	Once in 6 months As per the Noise pollution (Regulation and Control) rule 2000	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC

2.	To check and balances to ensure EMP implementation including mine restoration and closure	Progressive and post mine closure parameter are incorporated in to the environmental management plan and fund allocation will be incurred from the separate EMP account and monitoring will be carried out by the Environmental monitoring cell and status compliance will be submitted in the half yearly compliance report.	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
3.	Worker Safety, Health and Hygiene	Operational permission from Director General Mines Safety Chennai Region will be obtained after execution of lease deed. Adherence will be as per the Mines Rules 1955, Water - Rule 30 & 31 Surface latrines & Urinals - Rule 33 Medical Examination - Rule 29 First Aid - 41 , 42,43 & 44 etc., Status compliance will be submitted in the Half yearly compliance monitoring report.	Conducted by the Competent approved health organization DGMS, Chennai Reporting to the TNPCB,SEIAA &IRO, MoEF&CC


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4.	Green belt Development	As committed during the SEAC appraisal, ensured to plant 1300 Nos of Saplings in and around the mine lease area which includes haul roads and avenue plantation along the village road. Status compliance will be submitted in the Half yearly compliance monitoring report.	Reporting to the TNPCB, SEIAA & IRO, MoEF&CC.
5.	Adhere to mining plan and EC stipulation	Adherence to mining plan will be ensured by employing Competent person under whose supervision the quarrying activity will be carried out and Half yearly & Annual returns will be submitted to Department Geology and Mining. Adherence to EC conditions will be carried out under the Supervision of EMC cell headed by the Mine owner and Status compliance will be submitted in the Half yearly compliance monitoring report	Half year returns and annual returns to Director, Geology and Mining, Chennai and Reporting to the TNPCB, SEIAA & IRO, MoEF&CC
6.	Returns in support of CER	The CER activities as committed and recommended during SEAC appraisal will be completed within the first year of mining operation and the status compliance inform of receipts	Regional office, MOEFCC

		and records with photographs will be enclosed in the Half yearly compliance monitoring reports	
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The SEAC carefully examined the replies and decided to reiterate its recommendation already made in the 402nd Meeting of SEAC held on 17.08.2023. All the conditions recommended will also remain unchanged.


Agenda No 417-20

(File No. 6211/2023)

Proposed for releasing the Bank guarantee for the value of Rs. 3.392 lakhs remitted towards Ecological remediation, Natural resources Augmentation and Community resources Augmentation under EIA Notifications dated 14.3.2017 & 08.03.2018 (violation category) for the Existing Limestone quarry lease area over an extent of 3.57.0Ha at S.F.Nos: 14/3A(P), 14/3B(P), 15/1A(P), 15/1B(P), 18/3A, 18/3B & 18/3C of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Samayapuram Vel Industries Private Ltd.

This proposal was placed in the 417th SEAC meeting held on 18.10.2023. The details of the project furnished by the proponent are available on the web portal (parivesh.nic.in). The SEAC noted the following

1. The PP was issued with Environmental Clearance vide Lr. No. SEIAA-TN/F.No.6211/ALR/EC/1(a)/4904/2020 dated: 03.11.2021 under violation category with the following conditions.
 - As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the


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bank guarantee shall be deposited.

- Accordingly, the amount prescribed for Ecological remediation (Rs. 0.893 lakhs), natural resource augmentation (Rs. 1.071 lakhs) & community resource augmentation (Rs. 1.428 lakhs), totalling Rs. 3.392 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.
 - 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 TNPCCB without further notice.
2. Subsequently, the PP had submitted a Bank Guarantee to TNPCCB for an amount of Rs. 3.392 lakhs vide Bank Guarantee No.44030ILG001121 dated:26.10.2021.
 3. Now, the PP has applied for releasing of the above said Bank guarantee of Rs. 3.392 lakhs given to TNPCCB along with CCR received from MoEF&CC vide F. No.EP/12.1/2022-23/SEIAA/237/TN/181 dated 14.02.2023.
 4. The EIA Notification 2006 vide S.O No S.O. 804(E). Dt 14.3.2017 stated that *“(7) 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 Expert Appraisal Committee and finalized by Regulatory Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.”*


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Based on the documents produced, SEAC found that the PP has implemented the Ecological Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan as stipulated and it is also reflected in the CCR issued by the Regional Office of the Ministry and decided to recommend to SEIAA that the Bank Guarantee submitted by the PP may be released.


Agenda No 417-21

(File No. 10416/2023)

Proposed Rough Stone quarry over an extent of 2.63.0 Ha of Government land in S.F.Nos. 1372/1(Part-1), of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by M/s. Sangilikaradu Kalvudaikkum Magalir Nalasangam- For Terms of Reference. (SIA/TN/MIN/444425/2023, 16/09/2023)

The proposal was placed in this 417th meeting of SEAC held on 18.10.2023. The Project Proponent made a detailed presentation on the proposed project. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following among other things:

1. The Project Proponent, M/s. Sangilikaradu Kalvudaikkum Magalir Nalasangam has applied seeking Terms of Reference for EIA study for the proposed Rough Stone quarry over an extent of 2.63.0 Ha of Government land in S.F.Nos. 1372/1(Part-1), of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006 as amended.
3. Mine plan period is approved for 5 years. The approved production is 234100m³ of Rough stone and the ultimate depth is 100m (85m AGL+ 15m BGL) m. The annual peak production shall not exceed 46820 m³ of Rough stone.
4. Existing pit with average depth of 60m reported in the approved mine plan.
5. The DFO, Theni in his letter dated 10.12.2020 addressed to the District Collector, Theni has informed that this project site is located at a distance of 170m away from the eco-sensitive zone of Megamalai Wildlife Sanctuary.


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Based on the document and details furnished by the project proponent, SEAC decided to grant **Terms of Reference (ToR) with Public Hearing** subject to the following ToRs, in addition to (i) the standard terms of reference for EIA study shown in Annexure-I and (ii) the Standard ToR for non-coal mining projects and details issued by the MoEF&CC to be included in EIA/EMP Report:

1. The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.
2. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
3. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc located within 1 km of the proposed quarry.
4. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
5. The Proponent shall carry out Bio diversity study through Department of Ecology and Environmental Sciences, Pondicherry University and the same shall be included in EIA Report.
6. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.


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Agenda No: 417 - 22

(File No: 5512/2023)

Existing Black Granite Quarry lease over an extent of 2.41.5Ha at S.F No. 4/4B of Vengamoor Village & 52/3, 52/4, 52/5, 52/6, 52/7, 52/8, 52/9, 52/10, 59/1, 59/3, 59/4A, 59/4B, 59/4C, 59/6B, 59/9, 59/10A, 59/10B, 59/11, 59/12, 59/13A, 59/13B, 59/14, 59/15, 59/16, 59/17, 59/18, 59/19, 59/22, 59/23, 59/24 (Patta land) of Hanumanthapuram Village, Villupuram Taluk, Villupuram District by Tvl. Gem Granites - Environmental Clearance for 3rd scheme of mining. (SIA/TN/MIN/57198/2016 dt 06/07/2016)

The proposal was earlier placed in the 404th meeting of SEAC held on 25.08.2023. The Project Proponent made a detailed presentation on the proposal. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Tvl. Gem Granites has applied seeking Environment Clearance for the existing Black Granite quarry lease (for 3rd scheme of mining) over an extent of 2.41.5Ha at S.F.No. 4/4B of Vengamoor Village & 52/3, 52/4, 52/5, 52/6, 52/7, 52/8, 52/9, 52/10, 59/1, 59/3, 59/4A, 59/4B, 59/4C, 59/6B, 59/9, 59/10A, 59/10B, 59/11, 59/12, 59/13A, 59/13B, 59/14, 59/15, 59/16, 59/17, 59/18, 59/19, 59/22, 59/23, 59/24 (Patta land) of Hanumanthapuram Village, Villupuram Taluk, Villupuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. The mining plan was approved by the Commissioner, Department of Geology and Mining, Guindy, Chennai vide letter No. 7473/MMS/2006, dated: 29.01.2007.
4. The first scheme of Mining was submitted for the period 2012-13 to 2016-2017. The same was returned to the PP by the DD/G&M/Villupuram in Lr. Rc.No. A/G&M/1141/2011 dated 13.03.2020.
5. The 2nd scheme of Mining for the period (2017-18 to 2021-22) was not submitted due to lack of demand and uneconomic operations. The quarry was under non operation.



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6. The 3rd scheme of Mining for the period (2022-23 to 2026-27) has been approved by the Commissioner, Department of Geology and Mining, Guindy, Chennai vide letter No. 3348/MM4/2023 dated: 24.05.2023. Lease period is valid upto 20.03.2027.
7. Further, from the letter of Commissioner, Dept. of Geology & Mining dated. 24.05.2023, it is ascertained that the PP has paid a dead rent of Rs. 8.99,668/- for the non-operative periods of 2010-11, 2011-12, 2014-15 to 2022-23.
8. DD/G&M, Villupuram has reported vide letter dated 18.08.2023 that 2.526cbm has been permitted for transportation from the lease area during the period 2011-2012.
9. SEIAA has issued Environmental Clearance under non-violation category to the other 16 nos. of applications filed vide file numbers 5519, 5569, 5515, 5516, 5567, 4807, 4808, 4811, 5522, 5564, 5568, 4809, 5517, 5518, 5520 & 5523 complying with the orders dated 16.03.2020 of Hon'ble NGT (SZ) and for the applications filed vide file numbers 5512 and 5514, SEIAA has sought approved scheme of mining.

Now the PP vide letter dated 23.06.2023 has submitted the 3rd scheme of mining approval letter from the Commissioner of Geology and mining for the period 2022-23 to 2026-27 vide Lr.No. RC.No. 3348/MM4/2023 dated 24.05.2023 and requested for the issue of EC for this proposal (File No. 5512). The subject was placed before the Authority during its 637th meeting held on 11.07.2023. The Authority noted that the PP has furnished approved scheme of mining and hence decided to refer back the subject to the SEAC for appraisal and to furnish recommendations. Hence the proposal was placed in the 404th meeting of SEAC held on 25.08.2023. Based on the presentation and details furnished by the project proponent, the Committee decided to call for the following details from the project proponent to consider the proposal for appraisal:

- i) The proponent shall submit an updated Pre-Feasibility Report (PFR) afresh.
- ii) The proponent shall submit the revised CER details as committed during the appraisal.


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The PP has furnished the updated PFR and hence the subject was taken for discussion in this 417th meeting of SEAC held on 18.10.2023.


File No	5512	Category	B2
	SIA/TN/MIN/57198/ 2023 dt 06.07.2016		
Sl. No	Salient Features of the Proposal		
1.	Name of the Owner/Firm	:	Tvl. Gem Granites
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Black Granite
3.	S.F Nos. of the quarry site with area break-up	:	4/4B & 52/3, 52/4, 52/5, 52/6, 52/7, 52/8, 52/9, 52/10, 59/1, 59/3, 59/4A, 59/4B, 59/4C, 59/6B, 59/9, 59/10A, 59/10B, 59/11, 59/12, 59/13A, 59/13B, 59/14, 59/15, 59/16, 59/17, 59/18, 59/19, 59/22, 59/23, 59/24 (Patta land)
4.	Village in which situated	:	Vengamoor & Hanumanthapuram Village
5.	Taluk in which situated	:	Villupuram Taluk
6.	District in which situated	:	Villupuram District
7.	Extent of quarry (in ha.)	:	2.41.5 Ha - Patta land
8.	Latitude & Longitude of all corners of the quarry site	:	12°03'51.10"N to 12°03'56.65"N 79°21'9.62"E to 79°21'16.12"E
9.	Topo Sheet No.	:	57 O/8
10.	Type of mining	:	Opencast Semi Mechanized Method
11.	Life of Project	:	5 years
	Lease Period	:	20 years (valid upto 20.03.2027)
	Mining Plan Period	:	5 years


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	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
12.	Geological Resources m ³ (RoM)	:	201850	-
	Minable Resources in m ³ (RoM)	:	98675	-
	Annual Peak Production in m ³	:	29685	-
	Maximum Depth in meters	:	28m BGL	-
13.	Depth of water table	:	60m	
14.	Man Power requirement per day:	:	18 Nos.	
15.	Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD)	:	0.750 kLD Borewell 1.750 kLD Tankers	
16.	Power requirement	:	TNEB power supply & DG set	
17.	Precise area communication issued by Dept. of Geology & Mining	:	G.O.(3D) No.31, Industries (MME-I) Department dated: 21.02.2007	
18.	Mining Plan approved by Dept. of Geology & Mining	:	Mine plan approved vide Lr.No. 7473/MM5/2006 dated 29.01.2007 3 rd scheme of mining approved vide letter No. 3348/MM4/2023 dated: 24.05.2023	
19.	500m Cluster Letter issued by Dept. of Geology & Mining	:	Rc.No.8/G&M/1141/2015, Dated: 28.06.2016 and Rc.No.8/G&M/48/2023, dated 18.09.2023	



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20.	VAO Certificate regarding Structures within 300m Radius		Letter Dated 05.08.2021	
21.	Project Cost (excluding EMP cost)	:	131.40 lakh	
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
		:	Max Total RoM in m ³	87890
		:	Annual Max RoM in m ³	29685
		:	Max Depth in m	28m BGL
23.	EMP cost (in Rs. Lakh).	:	Capital cost – Rs.32,00,050/- Recurring cost/Annum – Rs. 12,04,621/-- + 5% inflation cost	
24.	CER cost (in Rs. Lakh).	:	Rs.11.20 Lakh as accepted by the PP	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak RoM production capacity not exceeding 29685 m³ by maintaining the ultimate depth of mining of 28m BGL, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The proponent shall provide the particulars for carrying out the plantation of 1450 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.


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- 3) For securing the safety of persons employed in the mine, the PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 30 m (or) after the completion of 4 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 4) Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within a period of one year from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
- 5) The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site.
- 6) As accepted by the Project Proponent the CER cost of Rs.11.20 lakh and the amount shall be spent for the following committed activities at Government Higher Secondary School (UDISE Code: 33070800703), Karuvatchi village, Kanal Block, Villupuram District through the District administration before obtaining CTO from TNPCB.


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Sl. No.	Description	Cost breakup
1	Renovation of Existing Toilet and its Maintenance	Rs. 2,50,000/-
2	Providing Computers, Smart Class room, Projector, Steel Bureau, LED lights, Ceiling Fans, UPS unit, Audio speaker set, Mic, Amplifier, Library steel rack and Painting works to the school	Rs. 7,00,000/-
3	Providing Environmental related books and Study materials for JEE/NEET exams to the school	Rs. 45,000/-
4	Carrying out plantation in the School Boundary @ 100 Nos	Rs. 25,000/-
TOTAL		Rs. 11,20,000/-


Agenda No: 417 - 23

(File No: 10410/2023)

Proposed Rough Stone quarry lease over an extent of 2.50.0 Ha at S.F.Nos. 1372/1 (Part-5) of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by M/s. Varumaikkotterku Keelvaalum Magalir Suyauthavikuzhu - For Terms of Reference. (SIA/TN/MIN/444497/2023, Dated: 16.09.2023)

The proposal was placed for appraisal in this 417th SEAC meeting held on 18.10.2023. The details of the project furnished by the proponent are given in the website parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Varumaikkotterku Keelvaalum Magalir Suyauthavikuzhu has applied for Terms of Reference for the Proposed Rough Stone quarry lease over an extent of 2.50.0 Ha at S.F.Nos. 1372/1 (Part-5) of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu.


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2. The project/activity is covered under Schedule 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Mine plan period is approved for 5 years. The approved production is 234590m³ of Rough stone and the ultimate depth is 85m (70m AGL+ 15m BGL) m. The annual peak production shall not exceed 49450 m³ of Rough stone.
4. The DFO, Theni in his letter dated 10.12.2020 addressed to the District Collector, Theni has informed that this project site is located at a distance of 170m away from the eco-sensitive zone of Megamalai Wildlife Sanctuary.

Now, the proposal was placed in the 417th SEAC meeting held on 18.10.2023. Based on the presentation made by the proponent SEAC recommended grant of Terms of Reference (TOR) with Public Hearing, subject to the following TORs as per the Annexure I of this minute, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EEMP Report:

1. The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.
2. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
3. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc located within 1 km of the proposed quarry.
4. The proponent shall furnish photographs of adequate fencing, green belt

along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.

5. The Proponent shall carry out Bio diversity study through Department of Ecology and Environmental Sciences, Pondicherry University and the same shall be included in EIA Report.
6. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.

Agenda No: 417 - 24


(File No: 8313/2023)

Proposed Rough Stone quarry lease over an extent of 1.05.0 Ha at S.F.Nos. 50/2 of Ekkattampalayam Village, Perundurai Taluk, Erode District, Tamil Nadu by Thiru. P.Venkatachalam – For withdrawal of Terms of Reference issued earlier. (SIA/TN/MIN/60251/2021, Dated: 27.01.2021)

The proposal was placed for appraisal in this 417th SEAC meeting held on 18.10.2023. The details of the project furnished by the proponent are given in the website parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru. P. Venkatachalam has applied for Terms of Reference for the Proposed Rough Stone quarry lease over an extent of 1.05.0 Ha at S.F.Nos. 50/2 of Ekkattampalayam Village, Perundurai Taluk, Erode District, Tamil Nadu.
2. The project/activity is covered under Schedule 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Terms of Reference issued Lr. No. SEIAA-TN/F.No.8313/SEAC/TOR-957/2021, Dated: 03.05.2021.
4. The subject was placed in 645th Authority meeting held on 08.08.2023. The authority noted that the proponent has given a request letter to withdraw and surrender the Terms of Reference issued earlier vide Lr. No. SEIAA-TN/F.No.8313/SEAC/TOR/957/2021 dated 03.05.2021.

In the view of the above, Authority after detailed deliberation decided to forward the proponent's request to SEAC to obtain its remarks regarding the


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surrender and withdrawal of earlier issued terms of reference.

Now, the proposal was placed in the 417th SEAC meeting held on 18.10.2023. Based on the presentation and documents furnished by the project proponent, the Committee decided to accept the proponent's request for withdrawal and surrender of the earlier issued ToR dated: 03.05.2021 and SEIAA may accordingly take necessary action for withdrawal as per the rules laid down by MoEF&CC.

Agenda No: 417-25

(File No: 8201/2023)

Expansion of existing Residential Apartment complex by M/s. Puravankara Limited., at S.No: 53/3, 53/4, 53/10B, 55, 56/1, 57/2 & 57/4 of Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu – Environmental Clearance under violation category - Regarding. (SIA/TN/MIN/76143/2007, dated: 26.04.2022)

The proposal was placed for appraisal in this 417th meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Puravankara Limited has applied for Environmental Clearance for the Expansion of constructed Residential Apartment complex project at S.F.Nos. 53/3, 53/4, 53/10B, 55, 56/1, 57/2 & 57/4 of Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 8(b) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. Total Plot area: 127570 .85 Sqm, Built up Area :1,44,596 Sqm with 1184 Dwelling units –construction completed at year 2012 (Fully occupied) – EC obtained Vide letter No. SEIAA/TN/EC/8(a)/006/F-20/2008, Date: 24.07.2008
4. ToR under Violation issued vide Letter No. SEIAA-TN/F.No.8201/Violation/ToR-1036/2021 dated: 13.10.2021
5. Now, the proposal was placed in the 343rd SEAC Meeting held on 05.01.2023.
6. Based on the presentation and document furnished by the project


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proponent, SEAC decided obtain the following additional particulars from the proponent:

- i) Affidavit shall be submitted to undertake Operation & Maintenance for 10 Years.
- ii) Submit the revised EMP including Solar which must cover a minimum of 50% of the roof top area.

Meanwhile, the SEAC decided to constitute a sub-committee to make on-site inspection to assess the present status of the proposed project, environmental settings and to assess ecological damage assessment, remediation plan, natural resource augmentation and community resource augmentation. SEAC also decided to request SEIAA-TN to initiate action to be taken for violation cases in accordance with law.

7. Subsequently, the proposal was placed in the 588th SEIAA meeting held on 01.02.2023. The Authority accepts the decision of SEAC and decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent and the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
8. Based on the above, The State Expert Appraisal Committee (SEAC) Tamil Nadu constituted a sub-committee vide its Lr. No. SEAC-TN/8201/Site-Inspection/2022, dated 05.01.2023; based on Minutes of the 343rd SEAC Meeting, held on 05.01.2023, to inspect and study the field condition for the proposal seeking EC for Expansion of constructed Residential Apartment complex projectat S.F.Nos. 53/3, 53/4, 53/10B, 55, 56/1, 57/2 & 57/4 of Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District. The Committee comprised of Dr. K.S. Kavi Kumar, Member SEAC – TN.
9. Subsequently, the above Sub-committee report was placed in the 356th Meeting of SEAC held on 18.02.2023. After detailed deliberation, SEAC decided to obtain the remarks of the PP on the observations of the sub-committee and also shall submit the details sought by sub-committee.


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Based on the reply furnished by the PP, the proposal was again placed in the 417th SEAC meeting held on 18.10.2023. Based on the presentation and documents furnished by the PP, Committee noted the following.

1. MoEF&CC Letter vide F. No. EP/12.1/SEIAA/3/TN/938 Dated: 01.08.2023.
2. The proponent vide Letter No. SEIAA/TN/EC/8(a)/006/F-20/2008 Dated: 24.07.2008 had obtained EC for the Construction of Residential Apartment built-up area 144596 Sqm (1184 dwelling units) at S.F.No.53/3A, 53/4, 53/10B, 55,56/1,57/2 & 57/4 Pudupakkam Village, Chengalpattu Taluk, Kancheepuram District.
3. Subsequently, the proponent had applied for Terms of Reference under violation category at MoEF&CC vide online proposal no. IA/TN/NCP/63558/2017 Dated: 29.03.2017.
4. However, due to the violation of EIA Notification 2006, EC dated 27.08.2008 was kept in abeyance by the Ministry on 14.10.2013.
5. Order issued by Hon'ble National Green Tribunal, Southern Zone, Chennai dated: 23.05.2022 in OA No. 87 of 2021 (SZ).
6. Subsequently, proponent had filed a civil appeal arising out of impugned final judgment and order dated 02-08-2022 in OA No. 10/2022 and 23-05-2022 in OA No. 87/2021 passed by the National Green Tribunal, Southern Zone which is pending before the Hon'ble Supreme Court of India.

Based on the above facts and documents furnished, SEAC decided to call for additional details.

1. The PP shall submit the chronological dates and events listing all the activities undertaken after obtaining EC dated: 24.07.2008.
2. The proponent shall provide all the details regarding the cases pending before Hon'ble Supreme Court of India, Hon'ble National Green Tribunal etc., and the judgement copy shall be submitted.
3. The proponent shall submit the details regarding the proposal pending with MoEF&CC submitted under violation category and the Ministry's decision and its current status.


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4. The proponent shall submit the details regarding the functioning of STP, viz, Flow meter reading, Report of Analysis – TNPCB, etc.
5. The proponent shall assess the Environmental compensation for the violation of earlier issued EC as per CPCB Guidelines.
6. CCR.

Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.

Agenda No: 417-26

(File No: 8404/2023)

Proposed Rough stone quarry over an extent of 1.50.0 Ha at S.F.Nos. 1 (Part) (Bit-3A) of Kondamanaickenpatti Village, Senthamangalam Taluk, Namakkal District, Tamil Nadu by Tmt. S. Menaka - For Environmental Clearance. (SIA/TN/MIN/423814/2023, Dated: 29.03.2023)

The proposal was placed in 417th SEAC meeting held on 17.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. S. Menaka has applied for Environmental Clearance for the Proposed Rough stone quarry over an extent of 1.50.0 Ha at S.F.Nos. 1 (Part) (Bit-3A) of Kondamanaickenpatti Village, Senthamangalam Taluk, Namakkal District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is for 5 years. The mining plan is for 5 years & production should not exceed 72,000m³ of Rough Stone. The annual peak production 14,490m³ of Rough Stone. The ultimate depth of mining is 15m AGL.
4. Subsequently, the proponent had obtained vide Lr. No. SEIAA-TN/F.No.8404/SEAC/ToR-980/2021, Dated: 05.07.2021.
5. Public hearing was conducted on 05.01.2023.
6. Earlier, the proposal was placed in 386th SEAC meeting held on 23.06.2023.

During the presentation, SEAC noted that:

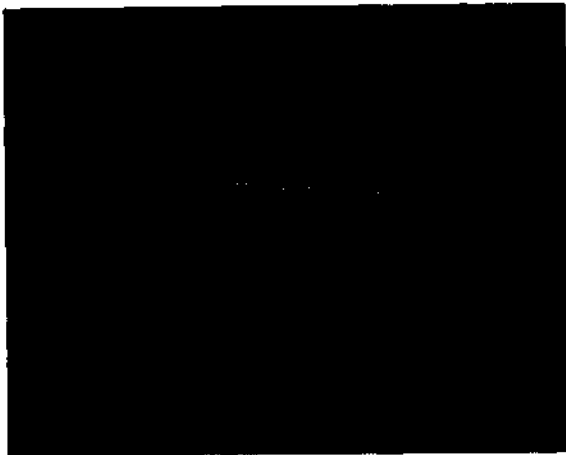

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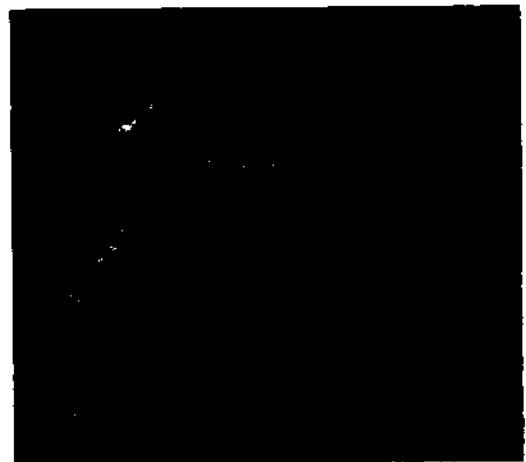
1. The proponent had obtained Precise area communication letter from District Collector vide Rc. No. 1446/Mines/2019 Dated: 20.12.2019 based on tender awarded to the proponent.
2. Further from the KML file uploaded by the proponent in Parivesh Portal and Google Imagery, it is construed that south western portion of the proposed lease area has been quarried after 2020 without valid a prior Environmental Clearance.
3. Further, based on the examination of timeline in Google imagery, it is ascertained that the quarrying activity had been carried out in the lease area awarded to the proponent even after the tender was finalised.

In the light of the above, SEAC decided that

- (i) The SEIAA may write to the concerned AD/ Mines seeking clarification regarding the status of the existing pit which has been observed from the google imagery during the period 2020 to 2022 (as given below), since Google map shows that mining activity has taken place after mine was allotted to the PP in tender.
- (ii) Further, the AD Mines shall inspect the aforesaid quarry site and give his comments on the existing site conditions along with last Bulk transport permit issued, if any, by Department of Geology and Mining to the lessee.



During the year- 01/2020



During the year - 03/2021


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During the year - 01/2022

(iii) The AD (Mines) shall give his comments on the extraction of safety zone/barrier demarcated for the PP in the leasehold area.

On the receipt of aforesaid details, further deliberation shall be done.

Based on the reply furnished by the PP, the proposal was again placed in the 417th SEAC meeting held on 18.10.2023. Based on the presentation and documents furnished by the PP, committee noted the following

1. AD/Mines had given a clarification vide Roc.No.1446/Mines/2018 dated: 31.07.2023

S.No.	Clarification sought for by SEAC	Clarification furnished
1.	The SEIAA may write to the concerned AD Mines seeking clarification regarding the status of the existing pit which has been observed from the Google imagery during the period 2020 to 2022 since Google Map shows that mining activity has taken place after mine was allotted to the PP in Tender.	In this regard the following details are furnished. 1. An extent of 5.00.0 hectares of Government Poramboke Land in S.F.No. 1(Bit-3) Kondamanaickenpatti of Village, Namakkal Taluk was granted on lease through Tender-Cum- Auction for a period of 5 years from 19.09.2003 to 18/9/2008.


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2. On expiry of above lease an extent 3.00.0 hectares of Government Poramboke Land in S.F.No. 1(Bit-3) of Kondamanaickenpatti Village, Namakkal Taluk was granted on lease through Tender-Cum-Auction for a period of 5 years from 16.07.2013 to 15.07.2018.
3. Subsequently, the above extent of 3.00.0 hect in Bit-3 of S.F.No.1 was divided in to two blocks viz., Bit-3A & 3B with an extent of 1.50.0 hect each.
4. An extent of 1.50.0 hect of Government Poramboke Land divided from 3.00.0 hect as Bit-3A for which precise area was communicated, mining plan approved. Public Hearing Conducted and EC applied for by the applicant is located as North Block and the other 1.50.0 hect as Bit-3B as South Block.
5. Since, the extent of 1.50.0 hect in Bit-3A was previously covered in the extent of 3.00.0 hect and 5.00.0 hect


		<p>granted an lease in the previous years the pits seen from the Google Imagery map were opened by the previous lessees to quarry rough stone during the period from 2003-2008 & 2013-2018. Since, the subject area of 1.50.0 hect was previously operated, the applicant has no way connected with the Google Imagery map seen in the subject area.</p> <p>6. In order to verify the mining plan position in the uploaded portion, the Geology Imagery map was examined in detail with reference to the adjacent leased out areas in Bit-5 and the area leased out as 5.00.0 hectares and 3.00.0 hectares Bit-3 (Subsequently divided into Bit-3A & 3B) situated on the east of Bit-5 were examined in detail. The area of 1.50.0 Hectares demarcated in the FMB as Bit-3A in S.F.No. 1(P) communicated as precise area and the extent of 1.50.0 hectares marked in the FMB and in the approved</p>
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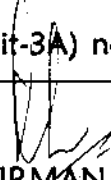
		<p>Mining Plan and uploaded to the SEIAA for the issuance of the EC are not one and the same and are different. The area uploaded for the issuance of EC is not the area communicated as precise area in view of this, the map measuring 1.50.0 hect as Bit-3A in S.F.No. 1(P) is overlapping the already worked out area In Bit-5 in S.F.No. 1(P).</p> <p>7. Bit-5 was previously leased out through Tender Cum Auction in favour of one Thiru. Subbarayan for a period of 5 years from 20.01.2018 to 19.01.2023. Hence the pit noticed on the west of the uploaded portion in the demarcated project area for EC was due to the previous working of the ex-lessee Thiru Subbarayan during 2018-2023. Similarly, the pits noticed on the East and South of the project demarcated area for which the Precise Area Communicated was previously quarried under valid lease for</p>
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		<p>an extent of 5.00.0 hect during 2003-2008 and for 3.00.0 hect during 2013-2018.</p> <p>8. From the above, it is reported that the Project Proponent Tmt. Menaka is no way connected on the existing pits noticed on the West (Bit-5) of wrongly uploaded area and East and South of actual area communicated as the Precise Area.</p>
2.	Further the AD(Mines), shall inspect the aforesaid quarry site and give his comments on the existing site conditions along with the Bulk Transport Permit is issued, if any, by the Dept of Geology and Mining to the lessee.	<p>1. The lessees who have obtained leases to quarry rough stone through Tender-Cum-Auction were carried out quarrying activates with valid lease. Apart from this an extent of 6.36.0 hect of Government Poramboke Land in 3 blocks were allotted to 3 individuals through Tender-Cum-Auction. In respect of this 3 cases Precise Areas were communicated and Mining Plans were approved and their proposals for the issuance of EC is pending with SEIAA. There are 3 lease expired blocks in the S.F.No. 1 (Part).</p> <p>2. In respect of 1.50.0 hect in S.F.No. 1 (Part) (Bit-3A) no lease</p>


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		was granted so far to the applicant Tmt.S.Menaka since she has not produced the EC. Hence, the question of furnishing the details of Bulk Permit issued to the Project Proponent by this office does not arise.
3.	The AD(Mines) shall give is comments on the safety zone / barrier demarcated for the PP in the lease hold area.	First of all the extent of 1.50.0 hect in S.F.No. 1(P) (Bit-3A) has not been granted on lease to the applicant and hence the extent cannot be treated as lease hold area. Regarding the safety distances, the safety distances mentioned in the Precise area communication letter have been duly incorporated in the mining plan without any omission or change. On verification, the safety distances allowed for the structures in the mining plan, are found correct

2. The PP has submitted revised Mining Plan approval letter issued by Assistant Director, Namakkal vide Roc.No.1446/Mines/2018 dated: 30.08.2023 which inter alia states under sub – para (viii) of para 4

“From the above, it is reported that the Project Proponent Tmt. Menaka is no way connected on the existing pits noticed on the West (Bit-5) of wrongly uploaded area and East and South of actual area communicated as the Precise Area.”


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File No		8404/2023	Category	B1
		423814/2023		1(a)
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Tmt.S.Menaka W/o.V.sribalan No.444, Main Road Senthamangalam Taluk Namakkal District-637409.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	1 (Part) (Bit – 3A)	
4.	Village in which situated	:	Kondamanaickenpatti	
5.	Taluk in which situated	:	Senthamangalam	
6.	District in which situated	:	Namakkal	
7.	Extent of quarry (in ha.)	:	1.50.0 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	11°15'24.99"N to 11°15'30.69"N 78°12'26.69"E to 78°12'31.43"E	
9.	Topo Sheet No.	:	58 - 1/3	
10.	Type of mining	:	Opencast Semi-Mechanized Mining	
11.	Life of Project	:	5 years	
	Lease Period	:	5 years	
	Mining Plan Period	:	5 years	
12.	Mining Plan Details	:	As per approved Mining Plan	As modified by SEAC
	Geological Resources m ³ (RoM)	:	Rough Stone 16,84,500 m ³	Rough Stone 5,18,585 m ³
		:	Rough Stone 6,55,000m ³	Rough Stone 1,17,320 m ³
	Mina ble Resources m ³ (RoM)	:	Rough Stone 6,55,000m ³	Rough Stone 1,17,320 m ³
:		Rough Stone 6,55,000m ³	Rough Stone 1,17,320 m ³	

	Annual Peak Production in m ³	:	Rough Stone	Rough Stone
			14,835m ³	18,675 m ³
	Maximum Depth in meters	:	15m AGL	36m (16m – AGL + 20m – BGL)
13.	Depth of water table	:	70m in rainy season & 75m in summer season	
14.	Man Power requirement per day:	:	22 Nos	
15.	Water requirement:	:	2.0 KLD	
	1. Drinking & utilized water		1.0 KLD	
	2. Dust suppression		0.5 KLD	
	3. Green belt		0.5 KLD	
16.	Power requirement	:	TNEB 57,600 Litres of HSD will be used for rough stone	
17.	Precise area communication approved by the District Collector, Dept of G&M	:	Na.Ka.No.1466/Kanimam/2019, dated: 20.12.2019	
18.	Mining Plan approved by Assistant Director, Dept of Geology & Mining.	:	Roc.No. 1466/Mines/2019, dated: 20.03.2020	
19.	Department of G&M, Assistant Director, 500m Cluster Letter	:	Roc.No. 1466/Mines/2019, dated: 20.03.2020	
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 21.01.2021	
21.	Project Cost (excluding EMP cost)	:	Rs. 73,00,000	

22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.
				Rough Stone
		:	Max Total RoM in m ³	72,000m ³
		:	Annual Max RoM in m ³	18,675m ³
		:	Max Depth in mtrs	36m (16m – AGL + 20m – BGL)
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 9,33,000 Recurring Cost – Rs. 8,77,000	
24.	ToR issued Details	:	Lr.No. SEIAA-TN/F.No.8404/SEAC/ToR - 980/2021, Dated: 05.07.2021.	
25.	Public Hearing conducted on	:	05.01.2023.	
26.	EIA report submitted on	:	30.03.2023.	
27.	CER cost (in Rs. Lakhs).	:	Rs. 5,00,000	

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 18,675 m³ of Rough stone by maintaining the ultimate depth of mining up to 36m (16m – AGL + 20m BGL) and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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


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2. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
3. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
4. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
5. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry walls in a hilly terrain within a period of six months from the commencement of mining operations for evaluating the slope stabilization & protective measures at the ultimate pit limits, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

6. As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Kalaimagal Government School, Kondamanaickenpatti before obtaining CTO from TNPCB.

Agenda No: 417-27

(File No: 9286/2023)

Proposed Black Granite Quarry lease over an extent of 2.11.0 Ha at S.F.Nos. 203/1B (Part), 204/2B (Part) and 206/1B of Periyagoundapuram Village, Valappadi Taluk, Salem District, Tamil Nadu by Thiru. M. Ponnambalam - For Environmental Clearance. (SIA/TN/MIN/274479/2022, Dated: 24.05.2022)

The proposal was placed in 417th SEAC meeting held on 17.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. M. Ponnambalam has applied for Environmental Clearance for the proposed Black Granite Quarry lease over an extent of 2.11.0 Ha at S.F.Nos. 203/1B (Part), 204/2B (Part) and 206/1B of Periyagoundapuram Village, Valappadi Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed in the SEAC meeting held on 01.09.2022.

Based on the presentation made by the proponent, SEAC decided to call for additional details

1. The proponent is requested to furnish the DFO letter stating the proximity distance from nearest RF, WLS etc., within 25 KM radius distance
2. The proponent must submit the certified compliance report.
3. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 200m and 300m from the boundary of the mine lease area.
4. Subsequently, the proposal was placed in the 553rd Authority meeting held on 21.09.2022. Further, Authority decided to call for details in addition to SEAC
 1. Impact of mining on Agriculture and horticulture.


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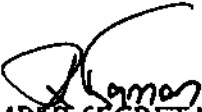
2. Will the activity of mining jeopardize farming activity and animal husbandry.
3. As per the G.O. (3D) No.19 Dated: 16.04.2015 – Grant of Mine Lease under Para 4 sub point 3) The applicant should not do blasting for quarrying so that there will be no damage to the E.B. line passing nearby. Only chisel and wire saw should be used for granite cutting. Further, the proponent had submitted in Hard copy along with the approved mining plan as annexure XV under the heading “Blasting Work Contract Agreement 22nd Day of September 2020”.

The proponent is requested to furnish the details regarding the reason for signing blasting contract.

In view of this, the Authority decided to accept the decision made by SEAC and decided to request the Member Secretary, SEIAA to communicate the minutes of 308th SEAC meeting to the project proponent.

5. Subsequently, the proposal was placed in the 368th SEAC meeting held on 19.04.2023. Based on the documents & presentation made by the PP, SEAC decided to defer the proposal for want of following details. The proponent shall submit the certified compliance report from the IRO, MoEF & CC, Chennai for the earlier EC obtained.
6. Subsequently, the proposal was placed in the 615th Authority meeting held on 08.05.2023 & 09.05.2023. In the view of the above, SEIAA accepted the decision of SEAC and decided to request Member Secretary to communicate the minutes of 368th SEAC held on 19.04.2023 to the project proponent.
7. Based on the reply furnished by the proponent, the proposal was again placed in 383rd SEAC meeting held on 15.06.2023. Based on the presentation and documents furnished by the project proponent, SEAC noted that
 1. The Project proponent had submitted Certified Compliance Report obtained from IRO; MoEF&CC vide EP/12.1/2023-24/SEIAA/24/TN/719 Dated: 14.06.2023 which states that

- i. *“... It is an open cast, semi-mechanised mining and is approved up to a depth of 6m. At present there are two pits situated within the*


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lease area. The maximum depths of the two pits are 11m below ground level."

- ii. Further, in 3. General Conditions of PART-III, under compliance status

"The PA has not obtained Consent to Establishment (CTE) and Consent to Operate (CTO) from Tamil Nadu Pollution Control Board."

In the view of the above, SEAC decided to call for explanation/additional details with respect to;

- I. The existing pit depth which is greater than the approved depth in the earlier issued EC vide Lr. No. SEIAA-TN/F.No. 2728 /EC/1(a)/1788/2014 dated: 27.03.2015.
- II. The reason for not obtaining Consent to Operate from Tamil Nadu Pollution Control Board.

Based on the reply furnished by the PP, the proposal was again placed in the 417th SEAC meeting held on 18.10.2023.

S. NO	SEIAA QUERY	REPLY
1	The existing pit depth is greater than the approved depth in the earlier issued EC vide Letter. No. SEIAA-TN/F.No.2728/EC/1(a)/1788/2014, Dated:27.03.2015.	First I state my sincere apologies for the deviation from the EC condition, I wish to bring your kind notice that the EC was granted for the quantity of 955m ³ of Black Granite (ROM 6,375m ³) upto the depth of 6m, during the course of quarrying operation the recovery of Granite is increased when the deepening the quarrying pit hence I have reached in one particular portion ie., NE corner pit, the remaining lands are un touched, also I have not exceeded the total permitted quantity in EC ie., achieved quantity of Granite is 821m ³ of Black Granite. Besides proposed area for the effective

		mining operation is 0.32.9 Ha instead of I have only broken up the area of 0.20.9 Ha.
2	The reason for not obtaining Consent to Operate from Tamil Nadu Pollution Control Board.	Due to the inadequate knowledge of the further process to be taken after obtaining Environmental Clearance I had directly approached the Department of Geology and Mining to take transport permit. Besides I have stocked about 495m ³ of Granite blocks in the lease area even though I have excavated 821m ³ about 315m ³ of Black Granite has been sold out for the entire five years period. And I hereby commit to follow the instructions/recommendations of Honorable SEAC/SEIAA.


Therefore, based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (ToR) under Violation category without Public Hearing, subject to the following ToRs, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the NABET accredited consultants. The grant of Terms of Reference (ToR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The project proponent shall submit a Certified Compliance Report obtained from the IRO, MoEF & CC, Chennai as per the MoEF&CC O.M dated.08.06.2022 for the previous EC and appropriate mitigating measures for the non-compliance items, if any.
2. The PP shall furnish letter from AD, mines including the following details,


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- Existing pit dimension through precise mine surveying (DGPS).
 - Quantity achieved Vs EC Approved Quantity.
 - Balance Quantity as per Mineable Reserve calculated.
 - Mined out Depth as on date Vs EC Permitted depth.
 - Details of illegal/illicit mining carried out in the proposed quarry site.
 - Violation in the quarry during the past working.
 - Quantity of material mined out outside the mine lease area.
 - Condition of Safety zone/benches as on date.
3. Details of any penalties levied on the PP for any violation in the quarry operation.
 4. The Project Proponent shall furnish the revised EMP based on the study carried out on impact of the dust & other environmental impacts due to proposed quarrying operations on the nearby agricultural lands for remaining life of the mine in the format prescribed by the SEAC considering the cluster situation.
 5. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
 6. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
 7. The PP shall submit the stability status of the existing quarry wall and slope stability action plan by carrying out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus.
 8. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m & upto 1km shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.


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9. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.
10. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
11. Copy of valid mining lease approval obtained from the competent Authority.
12. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.
13. Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining.
14. Copy of 'No Objection Certificate' for the total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP if any.
15. Details of habitations and fireworks around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
16. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
17. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by


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the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.

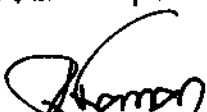
18. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
19. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
20. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
21. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
22. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
 - i. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - ii. Quantity of minerals mined out.
 - iii. Highest production achieved in any one year
 - iv. Detail of approved depth of mining.
 - v. Actual depth of the mining achieved earlier.
 - vi. Name of the person already mined in that leases area.
 - vii. If EC and CTO already obtained, the copy of the same shall be submitted.
 - viii. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.


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23. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
24. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
25. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
26. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working
27. methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
28. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
29. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
30. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.

31. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
32. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
33. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
34. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
35. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
36. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
37. Impact on local transport infrastructure due to the Project should be indicated.
38. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
39. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.


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40. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
41. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
42. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
43. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
44. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the
45. DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
46. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
47. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.


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48. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
49. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
50. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
51. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
52. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
53. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
54. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
55. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
56. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.


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Agenda No: 417-28

(File No: 10032/2023)

Proposed Rough Stone and gravel quarry lease area over an extent of Extent 3.07.5 Ha at S.F. No. 225/1, 2, 8B, 8C, 8D, 241/3H, 3I, 5, 6, 7, 8 & 242/9 (P) of Pazhayaseevaram-A Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu by Thiru. K. Kothandan - For Environmental Clearance. (SIA/TN/MIN/428339/2023, Dated: 06.05.2023)


The proposal was placed in 417th SEAC meeting held on 18.10.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

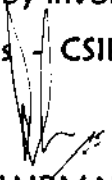
The SEAC noted the following:

1. The Project Proponent, Thiru. K. Kothandan has applied for Environmental Clearance for the Proposed Rough Stone and gravel quarry lease area over an extent of Extent 3.07.5 Ha at S.F. No. 225/1, 2, 8B, 8C, 8D, 241/3H, 3I, 5, 6, 7, 8 & 242/9 (P) of Pazhayaseevaram-A Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, the proposal was placed in 390th SEAC meeting held on 07.07.2023. Based on the presentation and documents furnished by the proponent, SEAC observed that
 1. Based on the KML file uploaded by the proponent and Google imagery, it is ascertained that the proposed mine lease area is surrounded by water tanks and the Palar River is situated at 2km and Palayaseevaram Check Dam is also at a distance of 2km.

Therefore, the SEAC decided to call for additional details as follows

1. Since water bodies are situated within 500 m, the PP shall furnish the scientific studies carried out to assess the hydrogeological condition of the quarry comprehensively and impact of quarrying on the existing water tank, Check dam and River along with spelling out mitigation measures during the course of quarrying for ensuing safe operation, by involving any one of the reputed Research and Academic Institutions - CSIR-Central


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Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, University of Madras – Centre for Environmental Studies, Dept of Geology - Anna University Chennai, and Department of Geology - Periyar University, Salem.

2. The proponent shall submit data regarding the depth of Water table observed from the open well within 1km radius from the proposed mine lease area.

Upon the receipt of aforesaid details, further deliberation shall be done.

S. NO	SEAC QUERY	REPLY
1	<p>Since water bodies are situated within 500 m. The PP shall furnish the scientific studies carried out to assess the hydrogeological condition of the quarry comprehensively and impact of quarrying on the existing water tank, check dam and River along with spelling out mitigation measures during the course of quarrying for ensuing safe operation, by involving any one of the reputed Research and Academic Institutions - CSIR-central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore. Division of Geotechnical Engineering – IIT Madras, NIT-Dept of Mining Engg. Surathkal, University of Madras - Centre for Environmental Studies, Dept of Geology - Anna University,</p>	<p>The PP obtained Impact Assessment Report on Hydrogeological conditions of the quarry and surrounding water bodies & resources from the Department of Geology, Periyar University, Salem – 636 011.</p>


	Chennai and Department of Geology - Periyar University, Salem.	
2	The proponent shall submit data regarding the depth of water table observed from the open well within 1km radius from the proposed mine lease area.	The depth of the open well varies from 10-15m depth and water level in the open well is 5.2 - 8.4m.

File No		10032/2023	Category	B2
		428339/2023		1(a)
Sl. No	Salient Features of the Proposal			
1.	Name of the Owner/Firm	:	Thiru. K. Kothandan, S/o. Kuppan, No.5, Alamelu Nagar, Old Perungalathur, Chennai District - 600 063.	
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	:	Rough Stone & Gravel Quarry	
3.	S.F Nos. of the quarry site with area break-up	:	225/1, 2, 8B, 8C, 8D, 241/3H, 3I, 5, 6, 7, 8 & 242/9(P)	
4.	Village in which situated	:	Pazhayaseevaram-A	
5.	Taluk in which situated	:	Walajabad	
6.	District in which situated	:	Kancheepuram	
7.	Extent of quarry (in ha.)	:	3.07.5 Ha	
8.	Latitude & Longitude of all corners of the quarry site	:	12°47'19.66"N to 12°47'27.77"N 79°51'58.43"E to 79°52'06.39"E	
9.	Topo Sheet No.	:	57 - P/13	

10.	Type of mining	:	Opencast Mechanized Mining	
11.	Life of Project	:	10 years	
	Lease Period	:	10 years	
	Mining Plan Period	:	5 years (Two spells)	
12.	Mining Plan Details	:	As per approved Mining Plan As modified by SEAC	
	Geological Resources m ³ (RoM)	:	Rough Stone	Rough Stone
			13,42,215 m ³	-
			Gravel	Gravel
			59,654 m ³	-
	Movable Resources m ³ (RoM)	:	Rough Stone	Rough Stone
			5,22,510m ³	-
			Gravel	Gravel
			46,910 m ³	-
	Annual Peak Production in m ³	:	Rough Stone	Rough Stone
			71,300m ³	-
			Gravel	Gravel
23,784m ³			-	
Maximum Depth in meters	:	47m BGL		
13.	Depth of water table	:	60m in rainy season & 65m in summer season	
14.	Man Power requirement per day:	:	30 Nos	
15.	Water requirement: 4. Drinking & utilized water 5. Dust suppression 6. Green belt	:	1.0 KLD 0.2 KLD 0.5 KLD 0.3 KLD	
16.	Power requirement	:	TNEB	

		2,66.012 Litres of HSD will be used for first five years			
17.	Precise area communication approved by the Assistant Director(i/c), Dept of G&M	:	Na.Ka.No.007/Kanimam/2023, dated: 14.03.2023		
18.	Mining Plan approved by Assistant Director(i/c), Dept of Geology & Mining.	:	Rc.No. 007/Q3/2023, dated: 30.03.2023		
19.	Department of G&M, Assistant Director(i/c), 500m Cluster Letter	:	Rc.No. 007/Q3/2023, dated: 29.03.2023		
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated: 24.03.2023		
21.	Project Cost (excluding EMP cost)	:	Rs. 1,46,36,000		
22.	EC Recommendation	:	Validity	30 years subject to the following upper limits.	
				Rough Stone	Gravel
		:	Max Total RoM in m ³	5,22,510m ³	46,910m ³
		:	Annual Max RoM in m ³	71,300m ³	23,784m ³
:	Max Depth in mtrs	47m BGL			
23.	EMP cost (in Rs. Lakhs).	:	Capital Cost – Rs. 29,42,500		
		:	Recurring Cost – Rs. 25,73,726		
24.	CER cost (in Rs. Lakhs).	:	Rs. 5,00,000		

Based on the reply furnished by the PP, the proposal was again placed in the 417th SEAC meeting held on 18.10.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not


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exceeding 71,300 m³ of Rough stone & 23,784 m³ of Gravel by maintaining the ultimate depth of mining up to 47m BGL and subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
3. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
4. The PP shall not employ any external agency for carrying out the blasting operation and he shall also install the temporary magazines approved by the concerned licensing authority before the execution of the lease, for storing the authorized explosives & detonators separately in accordance with the Explosive Rules, 2008.
5. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing

quarry walls in a hilly terrain within a period of six months from the commencement of mining operations for evaluating the slope stabilization & protective measures at the ultimate pit limits, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

6. As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Sankarapuram, Palayaseevaaram, Walajah Union, Kancheepuram before obtaining CTO from TNPCB.

Agenda No: 417- 29

(File No: 10461/2023)

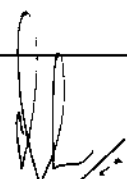
Proposed Earth quarry lease over an extent of 2.00.0Ha at SF.No.12(Part) of Siruvalai Bit-I Village, Madurai North Taluk, Madurai District, Tamil Nadu by M/s.C.M.K Projects Private Limited - For Environmental Clearance. (SIA/TN/MIN/447262/2023, Dated: 06.10.2023)

The proposal was placed in the 417th meeting of SEAC held on 18.10.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, M/s.C.M.K Projects Private Limited has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 2.00.0Ha at SF.No. 12(Part) of Siruvalai Bit-I Village, Madurai North Taluk, Madurai District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

File No	10461/2023	Category	B2
	SIA/TN/MIN/447262/2023,		


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Dated: 06.10.2023

Sl. No	Salient Features of the Proposal	
1.	Name of the Owner/Firm	M/s. C.M.K Projects Private Limited, RSF No.C23/52, VCTV Road, Erode District-638003
2.	Type of quarrying (Ordinary Stone/Sand/Granite/Limestone)	Earth quarry
3.	S.F Nos. of the quarry site with area break-up	12 (Part)
4.	Village in which situated	Siruvalai Bit-I
5.	Taluk in which situated	Madurai North
6.	District in which situated	Madurai
7.	Extent of quarry (in ha.)	2.00.0Ha
8.	Latitude & Longitude of all corners of the quarry site	10°1'47.64"N to 10°1'54.45"N 78°3'29.17"E to 78°3'41.82"E
9.	Topo Sheet No.	58/J-04
10.	Type of mining	Opencast Semi-mechanized Mining
11.	Life of Project	3 Months
	Lease Period	3 Months
	Mining Plan Period	3 Months
12.	Mining Plan Details	As per approved Mining Plan
		Earth
	Geological Resources m ³	20,000m ³
	Minalbe Resources m ³	20,000m ³
	Annual Peak Production in m ³	20,000m ³
	Maximum Depth in meters	1.0m BGL
13.	Depth of water table	15m in Summer season -12m in Rainy season


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14.	Man Power requirement per day:	:	8 Employees										
15.	Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt	:	1.5 KLD 0.5 KLD 0.5 KLD 0.5 KLD										
16.	Power requirement	:	TNEB 5328 Liters of Diesel will be utilized										
17.	Precise area communication approved by the District Collector, Department of G&M.	:	Na.ka.No.1115/kanimam/2023,Dated:20.09.2023										
18.	Mining Plan approved by Deputy Director /Assistant Director(i/c), Department of G&M.	:	Roc.No.1115/Mines/2023. Dated:05.10.2023.										
19.	500m Cluster Letter approved by the Deputy Director /Assistant Director(i/c), Department of G&M.	:	Roc.No.1115/Mines/2023. Dated:05.10.2023.										
20.	VAO Certificate Regarding Structures within 300m Radius	:	Letter Dated:06.10.2023										
21.	Project Cost (excluding EMP cost)	:	Rs. 2,20,000/-										
22.	EC Recommendation	:	<table border="1"> <tr> <td>Validity</td> <td>30 years subject to the following upper limits.</td> </tr> <tr> <td></td> <td>Earth</td> </tr> <tr> <td>Max Total in m³</td> <td>20,000m³</td> </tr> <tr> <td>Annual Max in m³</td> <td>20,000m³</td> </tr> <tr> <td>Max Depth in mtrs</td> <td>1.0m BGL</td> </tr> </table>	Validity	30 years subject to the following upper limits.		Earth	Max Total in m ³	20,000m ³	Annual Max in m ³	20,000m ³	Max Depth in mtrs	1.0m BGL
Validity	30 years subject to the following upper limits.												
	Earth												
Max Total in m ³	20,000m ³												
Annual Max in m ³	20,000m ³												
Max Depth in mtrs	1.0m BGL												

23.	EMP cost (in Rs. Lakh).	:	Rs.4.95 Lakhs
24.	CER cost (in Rs. Lakh).	:	Rs. 2,00,000

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for Annual Peak excavation quantity of not exceeding 20,000m³ with maintaining an ultimate pit depth of 1m BGL subject for a period of not more than 3 years from the the date of execution of the lease, to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

1. The PP shall ensure that the loaded trucks are covered with a tarpaulin cover to avoid the spillage & dust pollution while transportation.
2. The PP shall carry out the required number of plantations as committed in the EMP without deviation.
3. The PP shall not carry out drilling & blasting operations in the proposed quarry.
4. As accepted by the Project proponent the CER cost is Rs.2 Lakhs and the amount shall be spent for the Panchayat Union Middle School, Siruvalai Village before obtaining CTO from TNPCB.

Agenda No: 417-30

(File No: 6975/2021)

Proposed Rough Stone, jelly and gravel quarry lease area over an extent of 3.92.70Ha at S.F.No192(p) Kasthuriengapuram Part-II Village, Thisayanvilai Taluk, Tirunelveli District by Thiru. C.Sugu- For Environmental Clearance. (SIA/TN/MIN/59850/2019, dated: 13.01.2021)

The proposal was earlier placed in the 200th meeting of SEAC held on 11.02.2021. The Project Proponent made a detailed presentation on the project proposal. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.C.Sugu has applied seeking Environmental Clearance for the Rough Stone, jelly and gravel quarry lease area over an extent of 3.92.70 Ha at S.F.No 192(p) Kasthuriengapuram Part-II Village, Thisayanvilai


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Taluk, Tirunelveli District, Tamil Nadu.


2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. ToR was issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No .6975/ SEAC/ToR-678/2019 dated 11.12.2019.
4. Public hearing conducted on 15.12.2020.
5. The project proponent submitted EIA report to SEIAA-TN on 13.01.2021
6. Complaints have been received against the proponent.
7. As per the mining plan, the lease period is for 5 years. The production for first 5 years not to exceed 9,63,820 m³ of Rough stone, 1,31,704 m³ of Weathered Rock and 34,776 m³ of Gravel. The Annual peak production as per mining plan is 1,94,270 m³ of Rough stone (5th year), 1,31,704 m³ of Weathered Rock (1st year) and 34,776 m³ of gravel (1st year) for the proposed depth of 65m(BGL).

Based on the presentation made and documents furnished by the project proponent, SEAC after detailed deliberations decided the following:

1. To seek the Member Secretary/SEIAATN to write to the Director General of Mines Safety regarding the complaints received by the committee against the Proponent.
2. To assess the present status of the project site by making an on-the-spot inspection of the site by the sub-committee constituted by the SEAC.
3. Proponent shall submit the compliance report for the earlier EC issued to this project site.

On receipt of the compliance report from the proponent the subcommittee of the SEAC will inspect the site. Based on the compliance of the earlier EC and inspection report of the sub-committee, the SEAC will decide the further course of action.

As per the order Lr. No. SEAC-TN/Site inspection/Tirunelveli/2021 dated: 04.03.2021 of the Chairman, SEAC, a Sub-Committee comprising of the SEAC Members constituted to inspect and study the field conditions for the proposal seeking Environmental Clearance for the existing Rough Stone, Jelly & Gravel quarry by Thiru.


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C.Sugu in S.F. No. 192 (P) of Kasthuriengapuram Part-II Village, Thisayanvilai Taluk, Tirunelveli District, Tamil Nadu.

The sub-committee inspected the project site on 07.03.2021 and has reported the following:


Sub-Committee Observations

The Sub-Committee held detailed discussions with the proponent present and assessed the prevailing site conditions to collect the factual information and took Photographs of the salient features of the site to get the first-hand information. The photographs of the site taken at the time of site visit are presented.

1. There is no quarrying operation during the visit.
2. The fencing was not done in proper way.
3. The green belt around mines is not existing, however, there are saplings that have been planted very recently within a week's time.
4. It was observed that one of the pits has been closed with the mined- out waste materials.
5. There is no space of 7.5m each from the boundary of each mine and this required space as per mine plan has not been left out. Also there is no proof of permission granted by competent authority for taking up these minerals.
6. The proponent informed that the AD (Mines) has visited about six months back and reported that there is an excess quantity of minerals has been mined out from this mine more than the approved quantity and a fine has been levied for the same. The proponent was instructed to submit the letter from AD(Mines)to this effect as well as proof of payment to the chairman SEAC as well as to the SEIAA office at the earliest and he has also agreed for the same, as he did not have the copy of the same for submission to the subcommittee.

Sub-Committee Recommendations

1. Miyawaki scheme of plantation needs to be made surrounding the mine for a minimum width of 7.5m.
2. The road reading to the mine should be made bitumen topped in order to reduce the fugitive emission.


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3. After receiving the letter from AD (Mines) the SEAC would decide on further necessary action.
4. All the conditions stipulated in the ECs need to be scrupulously followed both in spirit as well as in terms of implementation.

The inspection report of the sub-committee was placed in the 209th meeting of SEAC held on 09.04.2021. As the documents sought from AD mines, Tirunelveli for the quantity of minerals mined out and the actual depth of mining not received yet, the discussion on this project is deferred to one of the ensuing meetings after the receipt of the same and a note prepared by the concerned Engineer/Scientist.

The Project proponent furnished the above said details on 19.03.2021 and SEAC observed that the AD(Mines) reported excess quarrying of minerals beyond the approved quantity and a fine of Rs.13,83,976/- has been levied for the same vide District Collector's Notice No. M2/35490-2/209, dated. 19.08.2020. In this regard, the proponent has remitted the said fine vide challan no.50 Dt: 24.08.2020 (submitted receipt of fine remitted).

In view of the above, the proposal was again placed in 212th meeting of SEAC held on 04.05.2021. The SEAC after detailed deliberations decided to defer the project proposal seeking grant of Environmental clearance and to discuss further after ascertaining whether there is a need to assess the Environmental & Ecological damage as per the rules, as the proponent has mined out excess quantity than the stipulated quantity, by the SEIAA.

Subsequently the proposal was placed in the 456th meeting of SEIAA held on 31.08.2021. After detailed discussions, the Authority decided to refer back the application to SEAC with a request for re- appraisal of the proposal as per the law. Hence, the proposal is forwarded to SEAC for further course of action.

The proposal was again placed for appraisal in the 234th meeting of SEAC held on 22.09.2021. The SEAC decided to call the proponent for appraisal in any one of the forthcoming meetings of SEAC in regard to assessment of Ecological damage, Remediation plan and natural & community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the MoEF&CC Notifications dated 14.03.2017 and 08.03.2018.


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The PP furnished the details sought by the SEAC on 16.3.2022, including the details of Ecological damage, Remediation plan and natural & community resource augmentation plan prepared based on the 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. The SEAC recommended for grant of Environmental Clearance under violation subject to the conditions stated therein. Subsequently the subject was placed before the 504th Authority meeting held on 05.05.2022. The Authority noted that the following:

- i) The application seeking ToR (Terms of Reference) submitted on Dt: 29.07.2019 and TOR was issued Dt: 11.12.2019.
- ii) The application seeking EC along with EIA report was submitted on Dt: 13.01.2021.
- iii) Based on the Sub-Committee inspection report submitted the following was noted that,

"The proponent informed that the AD (Mine, hat visited about six months back and reported that there is an excess quantity of minerals had been mined out from this mine more than the approved quantity and a fine has been levied for the Same. The proponent was instructed to submit the letter from AD(Mines)to this effect as well as Proof of payment to the chairman SEAC as well as to the SEIAA office at the earliest and he had also agreed for the same as he did not have the copy of the same for submission to the subcommittee"

"The Project proponent has furnished the above said detail to SEIAA-TN on 19.03.2021 and SEAC observed that the AD(Mine)reported excess quarrying of minerals beyond the approved quantity and a fine of Rs.13,83,976 has been levied for the same vide District Collector's Notice No. M2/35490-2/209 dated: 19.08.2020. In this regard, the proponent has remitted the said fine vide challan no.50 Dt: 24.08.2020 (Submitted receipt of fine remitted)."

- iv) Also, it was observed that as per MoEF&CC Notifications dated 14.03.2017 and 08.03.2018, the application of the project proponent does not fall within the Window period (or) prior to the window period.
- v) The Hon'ble Madurai Bench of Madras High Court (Special original Jurisdiction) in the WP(MD) No.11757 of 2021 and WMP(MD) No. 9241 of 2021 vide order Dt: 15.07.2021 has issued interim stay for the office memorandum (O.M) Dt: 07.07.2021 (SoP for Identification and handling of Violation cases under EIA 2006 in compliance to order of Hon'ble NGT in O.A. No.34/2020). Further, O.M Dt: 28.01.2022 states that final decision may have been taken in accordance with the Orders/Rules prevailing prior to 07th July 2021.

In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal. Subsequently the subject was placed for appraisal in the 285th meeting of SEAC held on 16.06.2022 and the SEAC observed the following:

The Project proponent through his EIA Coordinator, contended in the 285th meeting of SEAC that the quarry leasehold area possessing the Survey No of 192(P) is a fresh quarry and does not come under violation. Further, the penalty paid for excess quarrying quantity relates to Survey no. 193 (P) to the extent of 1.26.25 Ha, is not part of this EC application and hence it shall be processed as normal application for the grant of EC.

Based on the above observations, the SEAC decided that the PP and the concerned EIA Coordinator shall furnish explanation on the following aspects:

1. If it is not a violation case, why in the 260th meeting of SEAC, PP failed to bring it to the notice of SEAC and why was the presentation made as if it was a violation case, including submission of remediation plan, etc.
2. The EIA coordinator should explain the reasons for having presented the erroneous and flawed information to SEAC.

Proponent furnished his reply vide letter dated 26.09.2022. Hence the subject was placed in the 319th meeting of SEAC held on 12.10.2022. The Committee noted that the proponent has not turned up for the meeting and the EIA Coordinator requested for time. Hence, the Committee decided to defer the proposal.


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The proposal was again taken up for discussion in the 334th meeting of SEAC held on 02.12.2022. SEAC noted that the proposal falls under violation category and the application is outside violation window period. After detailed discussions, the SEAC decided to call for the following additional particulars from the Proponent.


1. Supplementary EIA for damage assessment.
2. Project Proponent shall remit the penalty imposed by the department of Geology & Mines and furnish the supporting document for the same.
3. Mine plan approval letter.

The Project Proponent furnished the details sought vide letter dated 10.05.2023 and hence the subject was taken up for discussion in this 389th meeting of SEAC held on 06.07.2023. The SEAC noticed that the Project Proponent has requested for postponing the appraisal of his subject to a later date. The Committee decided to defer the subject as requested by the Project Proponent.

Now the subject was placed in this 417th meeting of SEAC held on 18.10.2023. The PP made a presentation on the details sought by the SEAC. Based on the presentation and documents furnished by the proponent, SEAC decided to call for the following additional particulars:

1. The proponent shall adopt CPCB methodology for calculating environmental compensation for the violation period.
2. To submit modified mine plan approved by the Department of Geology and Mining.
3. Project Proponent shall submit the details of the penalty imposed by the department of Geology & Mines and furnish the supporting document for the same.

On receipt of the details sought above the SEAC will further deliberate and decide on future course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.


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ANNEXURE-I

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

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

blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.

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


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GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

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

addition to improving the aesthetics.

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

security guards are to be posted during the entire period of the mining operation.

15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
17. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) by the proponent without fail.
18. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
19. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
20. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
21. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory

obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.

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

23. As per the MoEF& CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.

ROUGH STONE/JELLY/BLUE METAL QUARRY

- 1) The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
- 2) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
- 3) The proponent shall appoint the statutory competent persons relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961, as amended from time to time.
- 4) Within a period one month from the execution of lease deed, the PP shall ensure that the persons deployed in the quarry including all the contractual employees/truck drivers shall undergo initial/periodical training in the DGMS approved GVTC situated in Trichy / Salem / Hosur.
- 5) The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
- 6) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
- 7) The proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan'

incorporating the benches & accessible haul road approved by the concerned AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.

- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
- 11) The PP shall meticulously carry out the mitigation measures as spelt out in the approved EMP.
- 12) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology should be adopted by considering the wind direction.
- 13) The Project Proponent shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and should not be diverted for other purposes. Year-wise expenditure should be included in the HYCR.
- 14) The Project Proponent shall send a copy of the EC to the concerned Panchayat/local body.
- 15) Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required, in coordination with the concerned Govt. Authority.
- 16) Perennial sprinkling arrangements shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
- 17) The Proponent shall ensure that the noise level is monitored during mining

operation at the project site for all the machineries deployed and adequate noise level reduction measures are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.

- 18) Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 19) The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
- 20) Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
- 21) **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.

- 23)The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.
- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25)The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
- 26)The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- 27)The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan& the approved Mine Closure Plan.
- 28)Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29)The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31)The proponent shall ensure that the transportation of the quarried granite

stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

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

33) The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.

34) The project proponent shall ensure that the provisions of the MMDR Act, 1957 & the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.

35) The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

36) The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.

37) All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.

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




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SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS

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


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


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

1. In the case of existing/operating mines, a letter obtained from the concerned AD (Mines) shall be submitted and it shall include the following:
 - (i) Original pit dimension
 - (ii) Quantity achieved Vs EC Approved Quantity
 - (iii) Balance Quantity as per Mineable Reserve calculated.
 - (iv) Mined out Depth as on date Vs EC Permitted depth
 - (v) Details of illegal/illicit mining
 - (vi) Violation in the quarry during the past working.
 - (vii) Quantity of material mined out outside the mine lease area
 - (viii) Condition of Safety zone/benches
 - (ix) Revised/Modified Mining Plan showing the benches of not exceeding 6 m height and ultimate depth of not exceeding 50m.
2. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
3. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
4. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
5. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km

from the proposed site.

7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, the Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
14. Quantity of minerals mined out.
 - Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment, and the remedial measures for the same.
19. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of the Mines Act'1952 and the MMR,

- 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
 21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
 22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
 23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
 24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
 25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects

- outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
 27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
 28. Impact on local transport infrastructure due to the Project should be indicated.
 29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
 30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
 31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
 32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
 33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The

proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

Annexure II

Standard Environmental Clearance Conditions prescribed by MoEF&CC for Construction Projects.

1. Statutory Compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawing of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
 10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- 2. Air quality monitoring and preservation:**
1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
 2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
 3. The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.
 4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
 5. Sand, murrum, loose soil, cement, stored on site should be covered adequately so as to prevent dust pollution.
 6. Wet jet shall be provided for grinding and stone cutting.
 7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.
 8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly

disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

9. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring and Preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources.

ensuring that there is no impact on other users.

6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharges should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall

conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).

17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.

18. No sewage or untreated effluent water would be discharged through storm water drains.

19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.

21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial

area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

2. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. The proponent shall provide solar panels covering a minimum of 50% of terrace area as committed.
4. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
5. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
6. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.

7. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.

8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
 9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
 10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
- 7. Green Cover:**
1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
 2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
 3. Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
 4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
 5. A wide range of indigenous plant species should be planted as given in the

Appendix-I, in consultation with the Government Forest/Horticulture Departments and State Agriculture University.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
2. Vehicles hired to bring construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues:

1. All workers working at the construction site and involved in loading,

- unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
 3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 5. Occupational health surveillance of the workers shall be done on a regular basis.
 6. A First Aid Room shall be provided in the project both during construction and operations of the project.

10. Corporate Environment Responsibility:

1. The PP shall complete the CER activities, as committed, before obtaining CTE.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of

production operation by the project.

7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

Appendix - I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவம்பம்
2	<i>Adenaanthera pavonina</i>	Marjadi	மஞ்சளாடு, ஆலவாக்குவந்தியமணி
3	<i>Albizia lebbek</i>	Vaagai	வாளை
4	<i>Albizia amara</i>	Usal	உசல்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax caba</i>	Ilavu, Sevvilavu	இலை
12	<i>Calophyllum inophyllum</i>	Punnai	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொண்டரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொண்டரை
15	<i>Chloroxylon sweitenia</i>	Purasamaram	புரசம்மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கொங்கு, மஞ்சள் இலை
17	<i>Cordia dichotoma</i>	Naruvuli	நடுவூதி
18	<i>Cretova adansoni</i>	Mavalingum	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Sitruzha	சிறு உவா
21	<i>Diospyro sebenum</i>	Karungali	கருங்காளி
22	<i>Diospyro schloroxylon</i>	Vaganai	வாகை
23	<i>Ficus amplissima</i>	Kallitchi	கல் இச்சி
24	<i>Hibiscus tiliaceou</i>	Aatrupoovarasu	ஆத்திரப்பாரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயிலி மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiam	ஒடியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் நெட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinos</i>	Pisinpattai	பிசின்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மாழிமரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestre</i>	Eachai	நச்சம்மரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

40	<i>Premna mollissima</i>	Munnai	முள்ளை
41	<i>Premna serratifolia</i>	Narumunnai	நடு முள்ளை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூங்க
43	<i>Prosopis cinerea</i>	Vanni maram	வள்ளி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேளிமரம்
46	<i>Pterospermum xylocarpum</i>	Polavu	பூங்க
47	<i>Puthranjiva roxburghii</i>	Karipala	கரிபலா
48	<i>Salvadora persica</i>	Ugaa Maram	உகா மரம்
49	<i>Sapindus emarginatus</i>	Manipungan, Soapukai	மணிபுங்கம் சோபுகை
50	<i>Saraca asoca</i>	Asoca	அசோக
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	யெட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேர்தாங் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாந்தி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேள் மருது
57	<i>Toona ciliate</i>	Sandhana vembu	சந்தா வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூங்க
59	<i>Walsuratrifoliata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கோடுக்காபுளி


 MEMBER SECRETARY
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Appendix -III

Display Board

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

-----கரங்கம்

கரங்கத்தில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கிழகம், நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்படும். குவாரி செயல்பாடு, சுற்றுச்சூழல் அனுமதி _____, தேதி வரை செயல்படுத்தக்கூடாது உடனடி.

பணியை பகுதி வாரியர் செயல்படுத்தக்கூடிய அங்கம் திட்டம்	குவாரியின் எல்லைகளில் சுற்றி வேலி அமைக்க வேண்டும்.
	அங்கப்பகுதியின் ஆரம்ப தளமட்டத்திலிருந்து மீட்டர் மட்டம் இடக்க வேண்டும்.
	சுற்றுச்சூழல் பாதிப்பு ஏற்படாதவாறு அங்கம் பாதிக்காத வகையில் வேண்டும்.
திட்டமிட்டு பணியை செயல்படுத்தக்கூடிய அங்கம் எல்லைகளில்:	வாசல்களில் செல்லும் பாதையில் பாதிப்பு ஏற்படாத வகையில் தளமட்டம் குறைந்த வகையில் வேண்டும்.
	இயற்கை அமைப்பில் தரவிட வேண்டிய அங்கப்பகுதியில் குவாரியின் எல்லைகளில் சுற்றி அடர்த்தியான பணியை பகுதியை ஏற்படுத்த வேண்டும்.
	அங்கத்தில் வேலி அமைக்கப்படுகிறது திட்டமிட்டிருக்கும் ஏற்பாடுகளை மீட்டர் மட்டம் பற்றி பாதிக்காதவாறு பாதையில் திட்டமிட்டிருக்கும் செயல்பாடுகளை உடனடியாக செயல்படுத்தப்பட வேண்டும்.
	அங்கத்தில் இடத்து ஏற்பாடு இயற்கை அமைப்பு (IBA) அமைந்து செல் ஏற்பாடுகளை தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.
	அங்கம் சட்ட விதிகள் மீறும் சுற்றுச்சூழல் உட்கட்டி பாதிக்காமல் தகுந்த பாதுகாப்பு கட்டுவதில் வழங்கப்படுகிறது கட்டுப்பாடுகளை வழங்க வேண்டும்.
	கிராம அல்லது பகுதியில் குவாரி செயல்பாடுகளால் பாதிக்கப்படும் பகுதியில் குவாரி செயல்பாடுகளை குறைக்க வேண்டும்.
	அங்கப்பகுதியில் அங்கம் உட்கட்டி பாதிக்காமல் மீட்டர் மட்டம் திட்டமிட்டிருக்கும் வகையில் வேண்டும்.
	நிபந்தனைகளை மீறும் செயல்பாடுகளை குறைக்க வேண்டும். கிராம அல்லது பகுதியில் குவாரி செயல்பாடுகளை குறைக்க வேண்டும்.
	அங்கப்பகுதியில் குவாரி செயல்பாடுகள் அங்கம் குறைக்க வேண்டும். அங்கப்பகுதியில் குறைக்க வேண்டும்.
	அங்கம் திட்டமிட்டிருக்கும் குவாரி செயல்பாடுகளை குறைக்க வேண்டும். அங்கப்பகுதியில் குறைக்க வேண்டும். அங்கப்பகுதியில் குறைக்க வேண்டும். அங்கப்பகுதியில் குறைக்க வேண்டும்.
	குவாரி செயல்பாடுகளை குறைக்க வேண்டும். அங்கப்பகுதியில் குறைக்க வேண்டும். அங்கப்பகுதியில் குறைக்க வேண்டும். அங்கப்பகுதியில் குறைக்க வேண்டும்.


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN