

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 341st meeting of the State Expert Appraisal Committee (SEAC) held on 29.12.2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, Panagal Mallai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 341-01

(File No: 6204/2017)

Existing Limestone mine over an extent of 2.24.0Ha in S.F.Nos. 232/2 & 232/3 of Alathur Village, Sankari Taluk, Salem District, Tamil Nadu by M/s. Max mining syndicate -for Terms of Reference under Violation. (SIA/TN/MIN/27132/2018 Dated: 12.09.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:


1. The Project Proponent, M/s. Max mining syndicate has applied for Terms of Reference Violation for the Existing Limestone mine over an extent of 2.24.0Ha in S.F.Nos. 232/2 & 232/3 of Alathur Village, Sankari Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

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

Agenda No: 341-02

(File No: 6205/2018)

Existing Limestone Mine over an extent of 4.96.5Ha at S.F.No. 154/2A, 54/4, 54/5C, 52/1A2, 52/1B, 52/5, 52/3A, 52/3B, 52/4A, 52/4B, 52/2, 49/4A, 49/4B, 49/5B, 54/3, 54/2B, 49/1 & 49/2 (Part) of T.Kokkulam Village, Thirumangalam Taluk, Madurai


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District, Tamil Nadu by Shri S. Natarajan, Proprietor, M/s. Sundeeep Mineral Corporation- For Terms of Reference under Violation. (SIA/TN/MIN/27137/2018 Dt: 12.09.2017)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. 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 Shri S. Natarajan, Proprietor, M/s. Sundeeep Mineral Corporation has applied for Terms of Reference for the Existing Limestone Mine over an extent of 4.96.5Ha at S.F.No. 154/2A, 54/4, 54/5C, 52/1A2, 52/1B, 52/5, 52/3A, 52/3B, 52/4A, 52/4B, 52/2, 49/4A, 49/4B, 49/5B, 54/3, 54/2B, 49/1 & 49/2 (Part) of T.Kokkulam Village, Thirumangalam Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Violation Category "B" of Item 1(a) "Mining of Mineral 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. The project proponent shall furnish the reason for his absence.

Agenda No: 341-03

(File No: 6207/2017)

Existing Lime Stone Mine lease area over an extent of 4.95.0Ha at S.F.Nos.203/1B (P), 205/1B (P), 216/1D, 217/2(P) 188/2(P) & 189(P) of Unjanai & Puchupuliampatti Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by M/s. Sivasakthi Enterprises - For Terms of Reference under violation category.(SIA/TN/MIN/27372/2018, dated: 26.07.2017)

The proposal was placed for appraisal in 341st meeting of SEAC held on 29.12.2022 The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, M/s. Sivasakthi Enterprises, has applied for Terms of Reference under violation category for the existing Lime Stone Mine lease area over an extent of 4.95.0Ha at S.F.Nos.203/1B (P), 205/1B (P), 216/1D, 217/2(P) 188/2 (P) & 189 (P) of Unjanai & Pudupuliampatti Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The project proponent has obtained Mining lease vide G.O.(3D). No.8, Industries (MMD-1) department Dated 22.01.1997.
4. The mining lease was issued for the period of 20 years (From 15.04.1997 to 14.04.2017). Further, it is stated in the Mining Plan submitted by the proponent that the validity of the mining lease is extended upto 14.04.2047 as per MMDR Amendment Act, 2015.
5. The proponent has filed four applications in the PARTIVESH Portal for the same proposal. The details are as follows:
 - i) Application seeking Environmental Clearance:
 - a) SIA/TN/MIN/61962/2017 dated.23.01.2017
 - b) SIA/TN/MIN/62028/2017 dated.25.01.2017
 - ii) Applications seeking ToR under violation category:
 - a) SIA/TN/MIN/27372/2018 dated:26.07.2017
 - b) SIA/TN/MIN/23217/2018 dated:06.04.2018
6. MoEF&CC notification vide S.O. 804 (E) Dt. 14.3.2017.
7. MoEF& CC Notification S.O.1030 (E) dated 08.03.2018.
8. MoEF&CC Office Memorandum No. F.No. 2-11013/22/2017-1A.II (M) dated 15.03.2018.
9. MoEF&CC OM F. No. 22-10/2019-1A.III dated 09.09.2019.
10. Hon'ble NGT(SZ) order dated 30.06.2020 in O.A.No.136 of 2017.


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Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category as per the MoEF & CC Notification No. S.O.804 (E), dated. 14.03.2017, subject to the following specific TOR, 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 which should be submitted within ONE year from the date of issue of ToR.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The proponent shall immediately withdraw the other three proposals, - SIA/TN/MIN/61962/2017 dated.23.01.2017, SIA/TN/MIN/62028/2017 dated.25.01.2017, SIA/TN/MIN/23217/2018 dated 06.04.2018 since they are redundant applications.
3. The project proponent shall submit approved Scheme of Mining -III for continuing the mining operations in the next production plan period of 2022-2023 to 2027-2028 along with the EIA/EMP report.
4. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
5. The PP shall furnish a letter from DFO on the proximity details of nearest Reserve Forest and other Wild Life sanctuaries & Protected areas with respect to the proposed project site.
6. 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


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


7. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarrying during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
8. 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.
9. 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.
10. 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.
11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.


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12. 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).
13. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
14. 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 occupants, places of worship, industries, factories, sheds, etc.
15. 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.
16. 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.
17. 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.
18. 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


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

19. 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.
20. 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.
21. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
22. 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.
23. 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.
24. 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.
25. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the

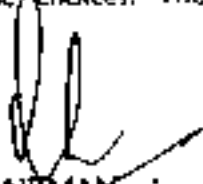

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Project, if any, should be provided.

26. Impact on local transport infrastructure due to the Project should be indicated.
27. 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.
28. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
29. 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.
30. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
31. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
32. 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.
33. 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.
34. 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



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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

- 35.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.
- 36.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.
- 37.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.
- 38.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.
- 39.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.
- 40.Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
41. 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.
- 42.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


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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/TNPCC.

43. 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.

44. 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: 341-04

(File No: 6216/2017)

Existing Black Granite Quarry lease over an extent of 1.09.0 Ha at S.F.No.1/12, 2/3A, 4/1B & 123/9B2, Semangalam & Kunnam Villages, Vanur Taluk, Villupuram District, Tamil Nadu by M/s. Karthik Raja Exports for Environmental Clearance under violation category (SIA/TN/MIN/153020/2020, Dt.13.05.2020).

The proposal was placed in this 341st meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Karthik Raja Exports has applied for Environmental Clearance for the Existing Black Granite quarry lease over an extent of 1.09.0 Ha at S.F.No. 1/12, 2/3A, 4/1B & 123/9B2, Semangalam & Kunnam Villages, Vanur Taluk, Villupuram 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. ToR Issued under violation category vide Lr.No.SEIAA-TN/F.No.6216/TOR-371/2018 dated 18.05.2018.
4. As per the Hon'ble High Court of Madras order dated 13.10.2017 in W.P.No.11189 of 2017, amendment in the ToR was issued vide Lr.No.SEIAA-


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TN/F-6216/SEAC-CXVIII/TOR-371(A)/2018. dt.30.07.2018.

5. Public hearing conducted on 11.02.2020.
6. Extension of validity of ToR issued vide Lr. No.SEIAA-TN/F.No. 6216/TOR-371/2018/A/ dated: 29.10.2021.
7. The PP has furnished the EIA Report under violation indicating the 'High - level damage' for the ecological assessment & EMP measures due to the mining operations carried out for the violation period in the mines in accordance with the MoEF & CC Notification No. S.O.804 (E), dated. 14.03.2017.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the subcommittee will assess the ecological damage and to check the Remedial Plan & Community Augmentation Plan submitted by the PP during the inspection. On the receipt of the sub-committee report, further deliberation will be carried out.

Besides, the SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.

Agenda No: 341 - 05

(File No. 6220 /2017)


Existing Lime stone Quarry over an extent of 0.40.0 Ha at S.F.No. 215/7, Pattakkapalayam Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by M/s. Madras Mining & Mineral Corporation for grant of Environmental Clearance.

(SIA/TN/MIN/61915/2017 Dated: 21.01.2017)

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Madras Mining & Mineral Corporation has applied for Environmental Clearance for the Existing Lime stone Quarry over


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an extent of 0.40.0 Ha at S.F.No. 215/7. Pallakkapalayam Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Neither the proponent nor the EIA coordinator was present for the appraisal. Hence, SEAC decided not to take up the proposal.

Agenda No: 341-06

(File No: 6222/2017)

Proposed Limestone Mine Quarry lease over an extent of 4.74,0 Ha in S.F.Nos. 1B/2 & 3, 52/1A1, 53/2A, 2B, 54/5A, 5B, 6, 7, 8A, 8B, 58/4C, 4D, 4E, 5, 6A & 6B of T. Kokkulam & Thirumal Village, Thirumangalam Taluk, Madurai District, Tamil Nadu by Thiru.S. Natarajan- for Environmental Clearance. (SIA/TN/MIN/62085/2017, Dated:27.01.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.S. Natarajan has applied for Environmental Clearance for the proposed Limestone Mine quarry lease over an extent of 4.74.0 Ha at S.F.Nos. 1B/2 & 3, 52/1A1, 53/2A, 2B, 54/5A, 5B, 6, 7, 8A, 8B, 58/4C, 4D, 4E, 5, 6A & 6B of T. Kokkulam & Thirumal Village, Thirumangalam Taluk, Madurai 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.

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.

Agenda No: 341-07

(File No: 6236/2017)


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Proposed Multicolour Granite Quarry lease over an extent of 1.53.0 Ha in S.F.Nos. 404/1(P), 2(P), 5(P), 6(P), & 405/1(P) of Vadachinneripalayam Village, Kangeyan Taluk, Tirupur District, Tamil Nadu by Tvl.Twillight Stone Private Ltd-for Environmental Clearance Violation.(SIA/TN/MIN/43892/2018, Dated:30.09.2019)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl.Twillight Stone Private Ltd has applied for **Environmental Clearance Violation** for the proposed Multi colour Granite quarry lease over an extent of 1.53.0 Ha at S.F.No 404/1(P), 2(P), 5(P), 6(P), & 405/1(P) of Vadachinneripalayam Village, Kangeyan Taluk, Tirupur 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. Tor Issued vide Lr.No.SEIAA-TN/F.No.6236/TOR-344/2018 dated 14.05.2018.
4. The PP has furnished the EIA Report under violation indicating the 'High - level damage' for the ecological assessment & EMP measures due to the mining operations carried out for the violation period in the mines in accordance with the MoEF & CC Notification No. S.O.804 (E), dated, 14.03.2017.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the subcommittee will assess the ecological damage and to check the Remedial Plan & Community Augmentation Plan submitted by the PP during the inspection. On the receipt of the sub-committee report, further deliberation will be carried out.

Besides, the SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.


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Agenda No: 341-08

(File No: 6237/2017)

Existing Quartz & Feldspar Quarry over an extent of 2.36.5Ha at S.F.No. 69/1A, 1B, 1C, 1D, 1E, 1F, 69/2B & 2C, Avadathur Village, Mettur Taluk, Salem District, Tamil Nadu by M/s. Dwaraka Mines & Minerals - For Terms of Reference under Violation. (SIA/TN/MIN/23173/2018 Dt: 05.04.2018)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. 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 M/s. Dwaraka Mines & Minerals has applied for Terms of Reference for the Existing Quartz & Feldspar Quarry over an extent of 2.36.5Ha in S. F No. 69/1A, 1B, 1C, 1D, 1E, 1F, 69/2B & 2C of Avadathur Village, Mettur Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category as per the MoEF & CC Notification No. S.O.804 (E), dated, 14.03.2017, subject to the following specific TOR, 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 which should be submitted within ONE year from the date of issue of ToR.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal


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forms part of cluster, public hearing shall be conducted as per the prescribed procedure.

2. The proponent shall immediately withdraw the other three proposals, - SIA/TN/MIN/27446/2018, dated. 01.07.2017, since they are redundant applications.
3. The project proponent shall submit the Scheme of Mining approved by the competent authority for continuing the mining operations in the next production plan period of 2019-2020 to 2024-2025 along with the EIA/EMP report.
4. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
5. The PP shall furnish a letter from DFO on the proximity details of nearest Reserve Forest and other Wild Life sanctuaries & Protected areas with respect to the proposed project site.
6. 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.
7. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarrying during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
8. 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 1967 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
9. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed


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quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site

10. 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.
11. 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?
 - j) Quantity of minerals mined out.
 - k) Highest production achieved in any one year
 - l) Detail of approved depth of mining.
 - m) Actual depth of the mining achieved earlier.
 - n) Name of the person already mined in that leases area.
 - o) If EC and CTO already obtained, the copy of the same shall be submitted.
 - p) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
12. 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).
13. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
14. 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 occupants, places of worship, industries, factories, sheds, etc.
15. The proponent shall furnish photographs of adequate fencing, green belt along


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

16. 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.
17. 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.
18. 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.
19. 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.
20. 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

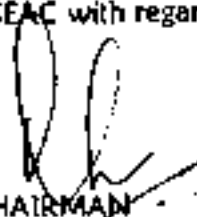

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quarry and the surrounding habitations in the mind.

21. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
22. 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.
23. 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.
24. 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.
25. 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.
26. Impact on local transport infrastructure due to the Project should be indicated.
27. 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.
28. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
29. 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


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to the Office Memorandum of MoEF& CC accordingly.

30. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
31. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
32. 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.
33. 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.
34. 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
35. 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.
36. 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.
37. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement


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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.

38. 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.
39. 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.
40. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
41. 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.
42. 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.
43. 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.
44. 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: 341 – 09


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(File No. 6248 /2017)

Existing Limestone quarry over an extent of 4.58.0 Ha at S.F.No.94/1, 95/1 & 95/2 of Varagupadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Sri Ram Chemicals for grant of Terms of References "Under Violation".(SIA/TN/MIN/27376/2018 Dt: 25.07.2017)

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Sri Ram Chemicals has applied for Terms of References "Under Violation" for the Existing Limestone quarry over an extent of 4.58.0 Ha at S.F.No.94/1, 95/1 & 95/2 of Varagupadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The mining lease was issued for the period of 20 years. The area was granted to the applicant from the State Government over an extent of 4.58.0 Ha at S.F.No.94/1, 95/1 & 95/2 of Varagupadi Village, Kunnam Taluk, Perambalur District to quarry Limestone under G.O. 3(D) No.224, Industries (MMA.2) Department, dated 21.07.1995 and lease was executed on 02.01.1996.
4. The mining plan was approved by the Indian Bureau of Mines during the year 1995-96 to 1999-2000 vide letter No. TN/TCR/MP/LST/MDS-740, dated 27.10.1994.
5. The scheme of mining is submitted for the period of five years & production should not exceed 2,71,599 cu.m of RoM including 2,17,279 cu.m of Limestone & 54,320 cu.m of Mineral rejects and 603 cu.m of Topsoil. The ultimate depth is 32.5 m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category as per the


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MoEF & CC Notification No. S.O.804 (E), dated. 14.03.2017, subject to the following specific TOR. 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 which should be submitted within **ONE year** from the date of issue of ToR.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report.
3. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
4. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
5. The proponent must withdraw the duplicate applications in Parivesh Portal vide Online proposal Number as follows.
 - i. ToR under violation- SIA/TN/MIN/23205/2018 Dt: 11.04.2018.
 - ii. ToR under violation - SIA/TN/MIN/24056/2018 Dt: 11.04.2018.
 - iii. ToR under violation - SIA/TN/MIN/23050/2018 Dt: 12.04.2018.
 - iv. EC - SIA/TN/MIN/62118/2018 Dt: 30.01.2017.
6. 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.

7. 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.
8. 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.
9. 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.
10. 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.
11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.


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- h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
11. 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).
 12. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
 13. 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.
 14. 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.
 15. 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.
 16. 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.

17. 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.
18. 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.
19. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
20. 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.
21. 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.
22. 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.
23. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.


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24. Impact on local transport infrastructure due to the Project should be indicated.
25. 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.
26. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
27. 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.
28. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
29. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
30. 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.
31. 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.
32. 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


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

33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

39. 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.

40. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site


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

41. 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.
42. 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: 341-10

(File No: 6250/2017)

Proposed Limestone Mine Quarry lease over an extent of 4.44.0Ha in S.F.Nos. 1/1A, 1B, 1C, 2A, 2/1A, 1B, 2, 3, 3/1A, 1B, 2A & 2B of Alanthuraiyarkattalai Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by Thiru.C. R. Shanmukham-for Terms of Reference Violation.(SIA/TN/MIN/27374/2018, Dated:25.07.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.C.R.Shanmukham has applied for Terms of Reference Violation for the proposed Limestone Mine quarry lease over an extent of 4.44.0 Ha at S.F.No.1/1A, 1B, 1C, 2A, 2/1A, 1B, 2, 3, 3/1A, 1B, 2A & 2B of Alanthuraiyarkattalai Village, Ariyalur Taluk, Ariyalur 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 5 years. The mining plan is for the period of five years & the production should not exceed 6,85,087 Tonnes of ROM, (6,22,333 Tonnes of Limestone @ 95% + 32,755 Tonnes of Reject @ (5%)) with an ultimate depth of mining 27.5 m Below Ground level.

Based on the presentation and documents furnished by the project proponent, SEAC observed that,


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1. The mining plan was prepared and approved by the India Bureau of Mines in letter No.TN/PBR/MP/LST/1477-MDS Dated 12.06.2003.
2. The Mining lease was granted vide Rc.No.18511/MM4/98 Dated 25.03.2004.
3. Lease deed was executed on 27.11.2008 and the lease expired on 26.11.2028.
4. As per MMDR Amendment Act 2015, the period of Mining Lease is 50 years from grant of Mining Lease (i.e.2058).
5. Scheme of mining prepared for the period of 2013-14 to 2017-18 and approved vide TN/ALR/LST/MS-869-MDS Dated 04.07.2013. Scheme of mining plan for the period of 2018-19 to 2022-23 was not submitted.

Further, the SEAC observed that, the project proponent has submitted the documents regarding the particulars of the lease and mining working. It was observed that mine was in operation without obtaining Environmental Clearance. As the case above stands affirmative, the project is being granted Terms of Reference for undertaking Environmental Impact Assessment and preparation of EMP. The SEAC recommends the Terms of Reference for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of environment. Three months data relating to the ecological parameters is to be submitted with analysis.

The project proponent besides above has to also submit the Affidavit/ No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme Court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957. The amounts so payable to the state


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government for the Limestone would inter-alia, account for the mining operation in violation of the following: -

- Without Environmental Clearance (EC) or in excess of quantity approved in EC.
- Without consent to Operate (CTO) or in excess of quantity approved in CTO.
- Without mining plan/scheme of mining or in excess of quantity approved in mining plan/scheme of mining.
- Without forest clearance
- Any other violation.

The project proponent is hereby directed to furnish Affidavit as per the guidelines issued by MoEF& CC. In connection with the orders of the Hon'ble Supreme Court and the annexure provided by SEIAA, while submitting EIA/EMP for consideration of EC.

Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category as per the MoEF & CC Notification No. S.O.804 (E), dated. 14.03.2017, subject to the following specific TOR, 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 by the accredited consultants which should be submitted within ONE year from the date of issue of ToR.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
3. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against

the PP for the committed violation.


4. The PP shall withdraw the duplicate files with online number 62123 (EC application) dated 05.04.2018 and 23210 (ToR application) dated 06.04.2018.
5. The PP shall prepare, submit and present Chapter 13 within one year from the date of issue of ToR which includes,
 - (a) Enumerate the aspects of violation
 - (b) Preparation of Ecological Damage Assessment
 - (c) Preparation of remediation plan
 - (d) Preparation of Natural Resource Augmentation plan
 - (e) Preparation of Community Resource Augmentation plan
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.


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11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
12. 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).
13. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
14. 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.
15. 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.

16. 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.
17. 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.
18. 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.
19. 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.
20. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
21. 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


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- preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 22.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.
- 23.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.
- 24.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.
- 25.Impact on local transport infrastructure due to the Project should be indicated.
- 26.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.
- 27.A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
- 28.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.
- 29.The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
- 30.The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.


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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 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
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


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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.

Agenda No: 341-11

(File No: 6257/2017)

proposed Limestone Mine Quarry lease over an extent of 0.94.3 Ha in S.F.Nos. 222/1 (P), 222/2 (P) & 222/3 (P) of Chinnagoundanur Village, Sankari Taluk, Salem District, Tamil Nadu by Thiru.K.Sekaran - for Terms of Reference Violation.(SIA/TN/MIN/27356/2018, Dated:01.08.2017).


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The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.K.Sekaran has applied for Terms of Reference Violation for the proposed Limestone Mine quarry lease over an extent of 0.94.3 Ha at S.F.Nos.222/1 (P), 222/2 (P) & 222/3 (P) of Chinnagoundanur Village, Sankar Taluk, Salem 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 5 years. The mining plan is for the period of five years & the production should not exceed 31,535 Tonnes of ROM (22075 Tonnes of Limestone @ 70% and 9461 Tonnes Reject @ 30%) with an ultimate depth of mining 18.5 m Below Ground level.

Based on the presentation and documents furnished by the project proponent, SEAC observed that,

1. The Mining plan was prepared and approved by the India Bureau of Mines in letter No. TN/SLM/MP/LST/537 - MDS dated 30.12.1991 (1994-95 TO 1998-99).
2. The quarry lease was granted vide G.O. Ms. No.145 Industries (MMD-1), Dated: 18.05.1994 for a period of Five years. The Lessee applied to Government and got the lease revised for Twenty years (1994-95 to 2013-14) with effect from 30.05.1994 as per (Letter No. 29250/MMD-1/94-3, dated 19.07.1995)
3. As per MMDR Amendment Act 2015, the period of Mining Lease is extended to 50 years from grant of Mining Lease (i.e 2044).
4. Second scheme of quarrying (2004-05 to 2008-09) is prepared and approved by Indian Bureau of Mines vide Letter no. TN/SLM/LST/MS-228/MDS Dated 15.06.2004.


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5. Third scheme of quarrying (2009-10 to 2013-14) has been approved by Indian Bureau of Mines vide Letter no. TN/SLM/LST/MS-720.MDS Dated 14.08.2012.
6. Review of Mining plan (2014-15 to 2018-19) has been approved by Indian Bureau of Mines vide TN/SLM/MP/LST-1931.MDS Dated 17.07.2014.

Based on the presentation and document furnished by the project proponent, SEAC observed that, the project proponent has submitted the documents regarding the particulars of the lease and mining working. It was observed that mine was in operation without obtaining Environmental Clearance. As the case above stands affirmative, the project is being granted Terms of Reference for undertaking Environmental Impact Assessment and preparation of EMP. The SEAC recommends the Terms of Reference for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of environment. Three months data relating to the ecological parameters is to be submitted with analysis.

The project proponent besides above has to also submit the Affidavit/ No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957. The amounts so payable to the state government for the Limestone would inter-alia, account for the mining operation in violation of the following: -

- Without Environmental Clearance (EC) or in excess of quantity approved in EC.


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- Without consent to Operate (CTO) or In excess of quantity approved in CTO.
- Without mining plan/scheme of mining or In excess of quantity approved in mining plan/scheme of mining.
- Without forest clearance
- Any other violation.

The project proponent is hereby directed to furnish Affidavit as per the guidelines issued by MoEF& CC, in connection with the orders of the Hon'ble Supreme court and the annexure provided by SEIAA, while submitting EIA/EMP for consideration of EC.

Based on the presentation made by the proponent and the documents furnished, the committee decided to recommend for the grant of Standard ToR with public hearing under Violation category for mining projects as specified by MoEF& CC subject to the above conditions in addition to the Additional ToR specified by the SEAC to deal with the violation aspects of the mining projects.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
3. The PP shall submit a letter for the extension of the validity of the Mining Lease (i.e 2044) issued by the State Government as per the section 8A(5) of MMDR Act, 2015 (Amended).
4. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.


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5. The PP shall withdraw the duplicate file with online number 61996 (EC application) dated 24.01.2017 and 23234 (ToR application) dated 06.04.2018.
6. The PP shall prepare, submit and present Chapter 13 within one year from the date of issue of ToR which includes,
 - (f) Enumerate the aspects of violation
 - (g) Preparation of Ecological Damage Assessment
 - (h) Preparation of remediation plan
 - (i) Preparation of Natural Resource Augmentation plan
 - (j) Preparation of Community Resource Augmentation plan
7. The applicability of Public Hearing is subject to the cluster area > 5 Ha as per 500m radius letter obtained from AD/DD, Dept. of Geology & Mining in adherence with the MoEF&CC Notification Dt:01.07.2016.
8. 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.
9. 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.
10. 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.
11. 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.

12. 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.

13. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.

- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
- b) Quantity of minerals mined out.
- c) Highest production achieved in any one year
- d) Detail of approved depth of mining.
- e) Actual depth of the mining achieved earlier.
- f) Name of the person already mined in that leases area.
- g) If EC and CTO already obtained, the copy of the same shall be submitted.
- h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.

14. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheer, 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).

15. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,

16. 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.

17. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working


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methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

18. 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.
19. 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.
20. 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.
21. 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.
22. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
23. 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.
24. 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.
25. 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.
26. 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.
27. Impact on local transport infrastructure due to the Project should be indicated.
28. 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.
29. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
30. 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.
31. The Public hearing advertisement shall be published in one major National


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- daily and one most circulated Tamil daily.
32. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
33. 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.
34. 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.
35. 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
36. 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.
37. 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.
38. 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


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mitigation measures with required facilities proposed in the mining area may be detailed.

39. 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.
40. 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.
41. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
42. 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.
43. 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.
44. 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.
45. 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: 341-12

(File No: 6260/2016)


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Proposed Garnet sand Quarry lease over an extent of 3.07.0Ha in S.F.Nos. 137/7, 348/1A, 1B, 1C1, 1C2, 1C3, 2B1, 3A, 4, 5, 6B, 7A, 8, 9, 11, 12 & 13 of Naduvalur Village, Thuraiyur Taluk, Tiruchirappalli District, Tamil Nadu by M/s. Riverways Mines and Minerals Ltd -for Environmental Clearance. (SIA/TN/MIN/62112/2018 Dated: 28.01.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Riverways Mines and Minerals Ltd has applied for Environmental Clearance for the Proposed Garnet sand Quarry lease over an extent of 3.07.0Ha in S.F.Nos. 137/7, 348/1A, 1B, 1C1, 1C2, 1C3, 2B1, 3A, 4, 5, 6B, 7A, 8, 9, 11, 12 & 13 of Naduvalur Village, Thuraiyur Taluk, Tiruchirappalli District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The quarry lease was granted vide proceedings letter RC.No.1453/MM7/2008 dated: 16.11.2009 for the period of twenty years. The lease deed was executed on 29.03.2010 and the lease period is valid upto 28.03.2030.
4. The mining plan (2010-11 to 2014-15) was prepared and approved by the Indian Bureau of mines, Chennai got expired on 28.03.2015.
5. The first Scheme of mining for the period (2015-16 to 2019-20) was approved by the Indian Bureau of Mines, Chennai vide letter no.TN/TCR/GNT/MS-1240-MDS, dated: 12.05.2015.
6. The Second scheme of mining is prepared under processing seeking for approval.
7. The PP had submitted a letter dated 11.04.2018 stating the following.

"...In this connection, we would like to inform you that we have not carried out any mining activity in this lease after the GO referred (3) above as directed by Government. Infact, the last transport permit for this lease was obtained from AD-Mines on 25.07.2013 only. A letter in this regard is obtained from Assistant

Director, Department of Geology & Mining Trichirapalli confirming no transport permit was issued to us from 25.07.2013 (Enclosure Under the above circumstances, since ours is less than 5 Ha category mine and we have not carried out mining activity after July 2013, we request you not to consider our proposal under violation case projects and process our earlier application at the earliest under normal category..."

8. The Lessee not carried out any production activity due to the quarrying operation was suspended and this quarry is falling in violation as per the notification 804(E), dated 14.03.2017 Issued by Ministry of Environment, Forest and Climate Change. Hence, transport permits were not issued by the competent authority for non-submission of Environment Clearance Certificate.
9. In this connection, the PP had submitted a letter obtained from the Assistant Director, Dept. of Geology and Mining, Tiruchirapalli vide letter No. 220/2002/mines dated: 06.04.2018 and stating the following,


"...In this connection it is informed that as per available records of this office, it is found that the last transport permit had been issued to the lessee on 25.07.2013 vide bulk permit No.1864 on payment of royalty of Rs.22,500/- (Rupees twenty-two thousand and five hundred only) to transport 500 mts. of garnet sand from the above said garnet sand mines. Further, no transport permit was issued to the lessee from 25.07.2013..."

10. Here, the SEAC noted that as per G.O.No.173 Dated 17.09.2013 para 3 (iii) states that,

"...The District Collectors of Tirunelveli, Tiruchirapalli, Kanniyakumari and Madurai will issue proceedings directing all private lessees of major minerals like Garnet, Ilmenite and Rutile etc., in Tirunelveli, Tiruchirapalli, Kanniyakumari and Madurai Districts to immediately stop the mining operations pending completion of the inspections by the Special Team..."

Based on the presentation made by the proponent, the SEAC decided to defer the proposal. On the receipt of G.O copy to permit the grant of garnet sand quarry and


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the Cluster letter from the concerned AD (Geology & Mines), the SEAC will consider this proposal for further course of action.

Further the PP shall withdraw the duplicate files with online number 24153 (ToR application) dated 11.04.2018.

Agenda No: 341-13

(File No: 6261/2018)

Existing Garnet sand Mine over an extent of 2.10.0Ha at S.F.No. 95/2A, 2B, 5A, 5B, 6A, 6B, 4B, 4C, 97/2B & 97/2E for over an extent of 2.10.0Ha in Kottathur Village, Musiri Taluk and Trichy District, Tamil Nadu by Tvl.S.S.Minerals- For Environmental Clearance. (SlA/TN/MIN/62109/2017 Dt: 28.1.2017)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. 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.S.S.Minerals has applied for Environmental Clearance for the Existing Garnet sand Mine over an extent of 2.10.0Ha at S.F.No. 95/2A, 2B, 5A, 5B, 6A, 6B, 4B, 4C, 97/2B & 97/2E for over an extent of 2.10.0Ha in Kottathur Village, Musiri Taluk and Trichy District 49/2 (Part) of T.Kokkulam Village, Thirumangalam Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The PP had submitted a letter dated 11.04.2018 stating the following.

"...In this connection, we would like to inform you that we have not carried out any mining activity in this lease after the GO referred (3) above as directed by Government. Infact, the last transport permit for this lease was obtained from AD-Mines on 25.07.2013 only. A letter in this regard is obtained from Assistant Director, Department of Geology & Mining Trichirapalli confirming no transport permit was issued to us from 25.07.2013 (Enclosure Under the above circumstances, since ours is less than 5 Ha category mine and we have

not carried out mining activity after July 2013. we request you not to consider out proposal under violation case projects and process our cartier application at the earliest under normal category..."

3. The Lessee not carried out any production activity due to the quarrying operation was suspended and this quarry was falling in violation as per the notification 804(E). dated 14.03.2017 pointed out by Ministry of Environment, Forest and Climate Change. Hence, transport permit not issued by the competent authority for non-submission of Environment Clearance Certificate.

4. In this connection, the PP had submitted a letter obtained from the Assistant Director, Dept. of Geology and Mining, Tiruchirapalli vide letter No. 220/2002/mines dated: 06.04.2018 and stating the following,

"...In this connection it is informed that as per available records of this office. It is found that the last transport permit had been issued to the lessee on 25.07.2013 vide bulk permit No.1864 on payment of royalty of Rs.22,500/- (Rupees twenty-two thousand and five hundred only) to transport 500 mts. of garnet sand from the above said garnet sand mines. Further, no transport permit was issued to the lessee from 25.07.2013..."


5. SEAC noted that as per G.O.No.173 Dated 17.09.2013 para 3 (iii) states that,

"...The District Collectors of Tirunelveli, Tiruchirapalli, Kanniyakumari and Madurai will issue proceedings directing all private lessees of major minerals like Garnet, Ilmenite and Rutile etc.. in Tirunelveli, Tiruchirapalli, Kanniyakumari and Madurai Districts to Immediately stop the mining operations pending completion of the inspections by the Special Team..."

Based on the presentation made by the proponent, the SEAC decided to defer the proposal. On the receipt of G.O copy to permit the grant of garnet sand quarry and the Cluster letter from the concerned AD (Geology & Mines), the SEAC will consider this proposal for further course of action.

During the meeting the PP has informed that, they were applied two application for ToR (vide application No. 24168) under violation category and another one for EC application (62109). The PP would like to withdraw the proposal


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No. 24168 for applied ToR under violation category and retained the application No. 62109 Dt. 28.1.2017 for Environmental Clearance. The same also accepted by the SEAC.

Agenda No: 341-14

(File No: 6264/2017)

Proposed Quartz and Feldspar Mine Quarry lease over an extent of 3.54.5 Ha at S.F. Nos.1216/1A, 1222/A2, 1222/B2, 1223/2B of Nagampalli Village, Aravakurichi Taluk, Karur District, Tamil Nadu by M/s. Chettinad Morimura Semiconductor Material Pvt Ltd – for Terms of Reference Violation.(SIA/TN/MIN/27155/2018, Dated:11.09.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Chettinad Morimura Semiconductor Material Pvt Ltd has applied for Terms of Reference Violation for the proposed Quartz and Feldspar Mine quarry lease over an extent of 3.54.5 Ha at S.F.Nos. 1216/1A, 1222/A2, 1222/B2, 1223/2B of Nagampalli Village, Aravakurichi Taluk, Karur 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.

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.

Agenda No: 341-15

(File No: 6278/2017)

proposed of Black Granite (Dolerite) Quarry lease over an extent of 2.62.0Ha in S.F.Nos. 153/3B, 153/3C & 153/3D1(P) of Sudarur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by Tvl. Saketh India Limited-for Environmental Clearance Violation. (SIA/TN/MIN/62277/2017, Dated:03.02.2017)


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The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl. Saketh India Limited has applied for Environmental Clearance Violation for the proposed Black Granite (Dolerite) quarry lease over an extent of 2.62.0 Ha at S.F.Nos.153/3B, 153/3C & 153/3D1(P) of Sudanur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The EIA Co-Ordinator requested to defer the project since the PP claims that his project doesn't come under violation category.

Hence SEAC decided that PP shall furnish a letter from AD/DD mines stating that the project will not fall under violation category.

Agenda No: 341-16

(File No: 6279/2021)

Existing Black Granite Quarry lease over an extent of 49.75.0Ha at S.F.No. 1230(P), Kodakkal Village, Walajah Taluk, Vellore District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited- For Terms of Reference under Violation. (SIA/TN/MIN/18431/2017 dated: 03.02.2017)

The proposal was placed for appraisal in this 341st meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are given in the website (www.parivesh.nic.in). During the meeting the PP has not turned up. Therefore, SEAC decided to defer the proposal and the project proponent is directed to furnish the reason for not attending the meeting. After receipt of the reply from the project proponent, the proposal may be placed in the SEAC meeting.

Agenda No: 341-17

(File No: 6285/2017)


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Proposed Limestone Mine Quarry lease over an extent of 1.02.0Ha in S.F.Nos. 644/2(Part), 645/2(Part)of K.Pitchampatti Village, Karur Taluk, Karur District, Tamil Nadu by Thiru.A.V.Elamurugu-for Terms of Reference Violation.(SIA/TN/MIN/27621/2018, Dated:22.04.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.A.V.Elamurugu has applied for Terms of Reference Violation for the proposed Limestone Mine lease over an extent of 1.02.0 Ha at S.F.Nos. 644/2(Part), 645/2(Part)of K.Pitchampatti Village, Karur Taluk, Karur 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 5 years. The mining plan is for the period of five years & the production should not exceed 21,216 Tonnes of ROM (14,851 Tonnes of Limestone @ 70% and 6365 Tonnes of Reject @ 30%) with an ultimate depth of mining 7m Below Ground level.

Based on the presentation and documents furnished by the project proponent, SEAC observed that,

1. The mining plan was prepared and approved by the India Bureau of Mines in letter No. TN/TNL/MP/LST/895-MDS Dated 11.01.1996 (1998-99 to 2002-03).
2. The quarry lease was granted vide G.O.(3D) No.215 Industries (MMA-2), Dated: 16.12.1997 for a period of twenty years (12.10.1998 to 13.09.2018).
3. As per MMDR Amendment Act 2015, the period of Mining Lease is 50 years from grant of Mining Lease (i.e.2048).
4. First scheme of quarrying (2009-10 to 2013-14) is prepared and approved by Indian Bureau of Mines vide Letter no. TN/KRR/LST/MS-649, MDS Dated 11.05.2012 and its valid upto 31.03.2014.
5. The 2nd scheme of Mining was approved vide Letter No. TN/KRR/LST/MS-1124.MDS, dated 05.11.2014.


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Based on the presentation and document furnished by the project proponent, SEAC observed that, the project proponent has submitted the documents regarding the particulars of the lease and mining working. It was observed that mine was in operation without obtaining Environmental Clearance. As the case above stands affirmative, the project is being granted Terms of Reference for undertaking Environmental Impact Assessment and preparation of EMP. The SEAC recommends the Terms of Reference for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an Independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of

remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research institutions working in the field of environment. Three months data relating to the ecological parameters is to be submitted with analysis.

The project proponent besides above has to also submit the Affidavit/ No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme Court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957. The amounts so payable to the state government for the Limestone would inter-alia, account for the mining operation in violation of the following:-

- ♦ Without Environmental Clearance (EC) or in excess of quantity approved in EC.
- ♦ Without consent to Operate (CTO) or in excess of quantity approved in CTO.
- ♦ Without mining plan/scheme of mining or in excess of quantity approved in mining plan/scheme of mining.
- ♦ Without forest clearance


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- ♦ Any other violation.

The project proponent is hereby directed to furnish Affidavit as per the guidelines issued by MoEF& CC, in connection with the orders of the Hon'ble Supreme Court and the annexure provided by SEIAA, while submitting EIA/EMP for consideration of EC.

Based on the presentation made by the proponent and the documents furnished, the committee decided to recommend for the grant of Standard ToR with public hearing under Violation category for mining projects as specified by MoEF& CC subject to the above conditions in addition to the Additional ToR specified by the SEAC to deal with the violation aspects of the mining projects.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
3. The PP shall submit a letter for the extension of the validity of the Mining Lease issued by the State Government as per the section 8A(5) of MMDR Act. 2015 (Amended).
4. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
5. Further the PP shall withdraw the duplicate files with online number 62331 (EC application) dated 07.02.2017 and 23081 (ToR application) dated 03.04.2018.
6. The PP shall prepare, submit and present Chapter 13 within one year from the date of issue of ToR which includes,

- (a) Enumerate the aspects of violation


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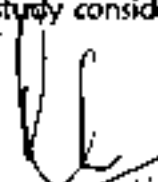
- (b) Preparation of Ecological Damage Assessment
 - (c) Preparation of remediation plan
 - (d) Preparation of Natural Resource Augmentation plan
 - (e) Preparation of Community Resource Augmentation plan
7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall 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.
8. 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,
- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.


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- c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
13. 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).
14. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc..
15. 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.
16. 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.
17. 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.
18. The Project Proponent shall conduct the hydro-geological study considering


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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.

19. 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.
20. 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.
21. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
22. 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.
23. 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.
24. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas


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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.

25. 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.
26. Impact on local transport infrastructure due to the Project should be indicated.
27. 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.
28. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
29. 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.
30. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
31. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
32. 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.
33. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in


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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.

34. 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
35. 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.
36. 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.
37. 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.
38. 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.
39. 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


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- Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for Implementation.
40. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
41. 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.
42. 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/TNPCCB.
43. 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.
44. 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: 341 – 18

(File No. 6290 /2017)

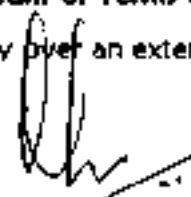
Existing Lime stone Quarry over an extent of 2.53.5Ha at S.F.No. 87 of Pannaimoondradalppu Village, Tiruchuli Taluk, Virudhunagar District, Tamil Nadu by Thiru. R. Palanisamy for grant of Terms of Reference "Under Violation".(SIA/TN/MIN/27457/2018 Dated: 29.06.2017)

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. R. Palanisamy has applied for grant of Terms of Reference "Under Violation" for the Existing Lime stone Quarry over an extent


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of 2.53.5Ha at S.F.No. 87 of Pannaimoondradaippu Village, Tiruchuli Taluk, Virudhunagar District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Neither the proponent nor the EIA coordinator was present for the appraisal. Hence, SEAC decided not to take up the proposal.

Agenda No: 341 – 19

(File No. 6297 /2017)

Existing Black Granite quarry over an extent of 1.13.5 Ha at S.F.No.29/3 (P) of Kunnam Village, Vanur Taluk, Villupuram District, Tamil Nadu by M/s. Shanmuga Granite Industries (P) Ltd for grant of Terms of Reference "Under Violation". (SIA/TN/MIN/27325/2018 Dated: 10.08.2017)

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Shanmuga Granite Industries (P) Ltd has applied for grant of Terms of Reference "Under Violation" for the Existing Black Granite Quarry over an extent of 1.13.5 Ha at S.F.No.29/3 (P) of Kunnam Village, Vanur Taluk, Villupuram District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The proponent has applied for
 - a) ToR under violation - SIA/TN/MIN/27325/2018 Dt: 10.08.2017.
 - b) ToR (Non-Violation) - SIA/TN/MIN/26021/2018 Dt: 09.05.2018 - Delisted
 - c) EC - SIA/TN/MIN/61714/2018 Dt: 11.01.2017 – Transfer to DEIAA – 341st SEAC Agenda.


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Neither the proponent nor the EIA coordinator was present for the appraisal. Hence, SEAC decided not to take up the proposal. Further the SEAC decided to record the PP shall withdraw the duplicate files in PARIVESH.

Agenda No: 341-20

(File No: 6305/2017)

Existing Lime Stone Mine lease area over an extent of 4.02.0Ha at S.F.Nos.46/3, 50/3, 50/4B, 50/5A, 50/5B(P) & 51/1 of T.Kokkulam Village, Thirumangalam Taluk, Madurai District, Tamil Nadu by Tmt.S.Meena- For Terms of Reference under violation category. (SIA/TN/MIN/27588/2018, dated: 02.05.2017).

The proposal was placed for appraisal in 341st meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt.S.Meena, has applied for Terms of Reference under violation category for the existing Lime Stone Mine lease area over an extent of 4.02.0Ha at S.F.Nos.46/3, 50/3, 50/4B, 50/5A, 50/5B(P) & 51/1 of T.Kokkulam Village, Thirumangalam Taluk, Madurai District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "8" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The project proponent has obtained Mining lease vide Rc.No.9541/MM4/2010 dated.27.04.2012.
4. The mining lease was issued for the period of 20 years (From 20.07.2012 to 19.07.2032). The approved scheme of mining plan is for the period of five years from 2017-2022& production quantity was 47596Ts of RoM including Limestone recovery of 38076 Ts (@80%) and mine waste 9519Ts.
5. The proponent has filed three applications in the PARIVESH Portal for the same proposal. The details are as follows:
 - i) Application seeking Environmental Clearance:
 - c) SIA/TN/MIN/62506/2017 dated.13.02.2017


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- ii) Applications seeking ToR under violation category:
 - c) SIA/TN/MIN/27588/2018 dated:02.05.2017
 - d) SIA/TN/MIN/23083/2018 dated:04.04.2018
- 6. MoEF&CC notification vide S.O. 804 (E) Dt. 14.3.2017.
- 7. MoEF&CC Notification S.O.1030 (E) dated 08.03.2018.
- 8. MoEF&CC Office Memorandum No. F.No. 2-11013/22/2017-IA.II (M) dated 15.03.2018.
- 9. MoEF&CC OM F. No. 22-10/2019-IA.III dated 09.09.2019.
- 10. Hon'ble NGT(SZ) order dated 30.06.2020 in O.A.No.136 of 2017.

Based on the presentation and documents furnished by the project proponent, SEAC dedded 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 which should be submitted within **1 year** from the date of issue of ToR.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
3. The PP shall submit a letter for the extension of the validity of the Mining Lease (t.e 2044) Issued by the State Government as per the section 8A(5) of MMDR Act, 2015 (Amended).
4. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.


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5. The proponent shall withdraw the other two proposals SIA/TN/MIN/62506/2017 dated.13.02.2017 and SIA/TN/MIN/23083/2018 dated.04.04.2018 since they are redundant applications.
6. The PP shall furnish a letter from DFO on the proximity details of any Wild Life sanctuaries & Protected areas with respect to the proposed project 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 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.
8. 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.
 - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?


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- b. Quantity of minerals mined out.
 - c. Highest production achieved in any one year
 - d. Details of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
13. 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).
14. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
15. 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 occupants, places of worship, industries, factories, sheds, etc.
16. 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.
17. 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.
18. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be


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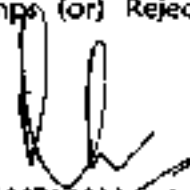
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appointed as per the provisions of Mines Act 1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

19. 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.
20. 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.
21. 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.
22. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
23. 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.
24. Details of the land for storage of Overburden/Waste Dumps (or) Rejects


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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.

25. 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.
26. 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.
27. Impact on local transport infrastructure due to the Project should be indicated.
28. 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.
29. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
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 eco-


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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.

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.


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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/TNPCC.
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.

Agenda No: 341-21

(File No: 6306/2017)

Proposed Limestone Mine Quarry lease over an extent of 2.54.0Ha in S.F.Nos. 117/4C, 5A, 5C, 5D & 138/2H&2I of Panniamalai Village, Natham Taluk, Dindigul District, Tamil Nadu by Thiru.M.Deepa Alankar -for Environmental clearance. (SIA/TN/MIN/62532/2017, Dated:15.02.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.M.Deepa Alankar has applied for Environmental clearance for the proposed Limestone Mine quarry lease over an extent of 2.54.0 Ha at S.F.Nos.117/4C, 5A, 5C, 5D & 138/2H,2I of Panniamalai Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

The Committee noted that the PP wanted time to hire EIA Co-Ordinator. Hence SEAC decided to defer the proposal.

Agenda No: 341-22


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(File No: 6324/2018)

Existing Limestone over an extent of 4.00.0Ha at S.F.Nos: 184/1, 184/2, 184/4, 184/5, 199/1, 200/5A, 200/6A, 200/6B, 200/6C, 201/2B, 201/5 & 201/6 for over an extent of 4.00.0Ha in Thumbekulam Village, Thirumangalam Taluk and Madurai District, Tamil Nadu by Thiru A. Murugaraj - For Terms of Reference under Violation.

(SIA/TN/MIN/27537/2018 Dt: 16.06.2017)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. 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 Thiru A. Murugaraj has applied for Terms of Reference for the Existing Limestone over an extent of 4.00.0Ha at S.F.Nos: 184/1, 184/2, 184/4, 184/5, 199/1, 200/5A, 200/6A, 200/6B, 200/6C, 201/2B, 201/5 & 201/6 for over an extent of 4.00.0Ha in Thumbekulam Village, Thirumangalam Taluk and Madurai District, Tamil Nadu.
2. The project/activity is covered under Violation Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period from 18.10.2022 to 17.10.2025 and approved modified mining plan is for 2015-16 to 2019-20.
4. As per MMDR Amendment Act 2015, the period of mining lease is 50 years from grant of mining lease.
5. As per mining plan for the period of 2015-16 to 2019-20, the total excavation (ROM)- 321420 M3 and 192852 m3 of Lime stone (60%) & 128568 m3 of mineral reject (40%) with an ultimate depth of 12m BGL.

During the meeting the PP has informed that, they were applied two applications for ToR (vide application No. 23111/2018) & (27537/2018) under violation category and 62644/2017 for EC. The PP would like to withdraw the proposal No. 23111/2018 for applied ToR under violation category & 62644/2017 for


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EC and retained the application No. 27537/2018 for ToR under violation.

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.

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The PP shall furnish the Chapter 13 of Violation notification considering of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared and submit as an independent chapter by the accredited consultants within one year.
3. The Project proponent shall conduct and furnish Minutes of Public hearing as per ToR issued Dt: 18.05.2018 & 30.07.2018. Accordingly, the PP shall submit revised EIA/EMP.
4. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
5. The PP shall submit a letter for the extension of the validity of the Mining Lease (i.e 2044) issued by the State Government as per the section 3A(5) of MMDR Act, 2015 (Amended). In the absence of the above, the Pp shall submit a letter obtained from the competent authority stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.


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6. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.


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14. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.

- a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
- b) Quantity of minerals mined out.
- c) Highest production achieved in any one year
- d) Detail of approved depth of mining.
- e) Actual depth of the mining achieved earlier.
- f) Name of the person already mined in that leases area.
- g) If EC and CTO already obtained, the copy of the same shall be submitted.
- h) 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.


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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 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 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.
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. 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.
32. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
33. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
34. 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


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importance of preserving local flora and fauna by involving them in the study, wherever possible.

35. 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-1 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.
36. 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
37. 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.
38. 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.
39. 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.
40. 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.


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41. 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.
42. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
43. 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.
44. 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.
45. 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.
46. 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: 341 – 23

(File No. 6325/2017)

Existing Limestone quarry over an extent of 2.38.5 Ha at S.F.No.4/3 & 95/3A1 of Pannalmoondraippu Village, Tiruchuli Taluk, Virudhunagar District, Tamil Nadu by Tmt. J. Chokkammal for grant of Environmental Clearance.(STA/TN/MIN/62659/2017 dated: 20.02.2017)

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).


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The SEAC noted the following

1. The Project Proponent, Tmt. J. Chokkammal has applied for Environmental Clearance for the Existing Limestone quarry over an extent of 2.38.5 Ha at S.F.No.4/3 & 95/3A1 of Pannaimoondradaippu Village, Tiruchuli Taluk, Virudhunagar District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to call for additional details

1. The proponent is requested to submit the Year wise bulk transport permit (as per appendix XII - TNMMCR, 1959) issued by the competent authority to the lessee.

On receipt of the aforesaid details, the proposal will be considered for further deliberations.

Agenda No: 341-24

(File No: 6349/2017)

Existing Magnesite and Dunite Quarry over an extent of 1.44.0Ha at S.F.No. 17/3, Chettichavadi Village, Salem Taluk, Salem District, Tamil Nadu by Thiru.T.C.Krishnanandham - For Terms of Reference under Violation.

(SIA/TN/MIN/27232/2018 Dt: 06.06.201.04.2018)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. 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 Thiru. T.C. Krishnanandham has applied for Terms of Reference for the Existing Magnesite and Dunite Quarry over an extent of 1.44.0Ha in S. F No. 17/3 of Chettichavadi Village, Salem Taluk, Salem


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District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is from 12.5.2005 to 11.5.2025 and review of mining plan was prepared and got approval for the period of 2020-21 to 2024-25.
4. As per mining plan total excavation 161500 T. The recoverable reserves 54910 T 34% (Magnesite- 14535 T (9%) and 40376 T(25%))for the period of 5 years with an ultimate depth 26m.

Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of **Terms of Reference (TOR)** without Public Hearing 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.

1. PP shall withdraw file no. 62409 dated 09.02.2017 for EC, 23506 Dt. 7.4 2018 for ToR under violation.
2. SEAC requested to SEIAA to initiate credible action under Sec. 19 of the Environment Act against the PP.
3. The applicability of Public Hearing is subject to the cluster area > 5 Ha as per 500m radius letter obtained from AD/DD, Dept. of Geology & Mining in adherence with the MoEF&CC Notification Dt:01.07.2016.
4. The PP shall furnish a letter from DFO on the proximity details of nearest any other Wild Life sanctuaries & Protected areas with respect to the proposed project site.
5. 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


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

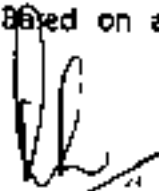
6. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
7. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry 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.
8. 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.
9. 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.
10. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.


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11. 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).
12. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc..
13. 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 occupants, places of worship, industries, factories, sheds, etc.
14. 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.
15. 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.
16. 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.
17. 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


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

18. 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.
19. 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.
20. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
21. 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.
22. 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.
23. 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.
24. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the


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- Project, if any, should be provided.
25. Impact on local transport Infrastructure due to the Project should be indicated.
 26. 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.
 27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
 28. 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.
 29. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
 30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
 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 eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The


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- 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/TNPCR.

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.

Agenda No: 341- 25


(File No: 6353/2017)

Existing Black Granite quarry over an extent of 1.12.0 Ha at S.F.No.6/5, 7/2A, 4, 5 & 7 of Kunnam Village, Vanur Taluk, Villupuram District, Tamil Nadu by Thiru. S. Jayapal, M/s. Satheesh Mines & Industries - For Environmental Clearance. (SIA/TN/MIN/43094/2018 Dt.28.09.2019).

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. S. Jayapal, M/s. Satheesh Mines & Industries has applied for the Environmental Clearance for Existing Black Granite quarry over an extent of 1.12.0 Ha at S.F.No.6/5, 7/2A, 4, 5 & 7 of Kunnam Village, Vanur Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation was obtained vide Lr. No. SEIAA-TN/F.No. 6353/TOR - 348/2018, dated: 14.05.2018.
4. Amendment ToR obtained vide Lr No. SEIAA-TN/F-6353/SEAC-CXVIII/TOR- 348(A)/2018 Dt. 30.07.2018.
5. The PP has furnished the EIA Report under violation indicating the


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'High -level damage' for the ecological assessment & EMP measures due to the mining operations carried out for the violation period in the mines in accordance with the MoEF & CC Notification No. S.O.804 (E), dated. 14.03.2017.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the subcommittee will assess the ecological damage and to check the Remedial Plan & Community Augmentation Plan submitted by the PP during the inspection. On the receipt of the sub-committee report, further deliberation will be carried out.

Besides, the SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.

Agenda No: 341-26

(File No: 6356/2017)


Existing Lime stone Quarry over an extent of 0.76.5Ha at S.F.No. 198/1B, Padalveedu Village, Trichencode Taluk, Namakkal District, Tamil Nadu by M/s. Mineral Enterprises - For Terms of Reference under Violation. (SA/TN/MIN/62658/2017 Dt: 20.02.2017)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. 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 M/s. Mineral Enterprises has applied for Terms of Reference for the Existing Lime stone Quarry over an extent of 0.76.5Ha in S. F No. 198/1B of Padalveedu Village, Trichencode Taluk, Namakkal District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of


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Mineral Projects" of the Schedule to the EIA Notification, 2006.

During the meeting the PP has not attend the meeting. The SEAC decided to defer the proposal and request the SEIAA to initiate credible action under Sec. 19 of the E(P) Act. 1986 against the PP for the committed violation.

Agenda No: 341-27.

(File No:6357/2017)

Existing Multicolour Granite quarry lease over an extent of 1.27.0Ha at S.F. No. 178/5A, 178/5B & 178/5C of Mallakotai Village, Tiruppathur Taluk, Sivagangai District, Tamil Nadu by Thiru. R. Muthusankar - for Environmental Clearance "Under Violation".

(SIA/TN/MIN/42370/2017Dt:17.09.2019).

The proposal was placed in 341st SEAC meeting held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. R. Muthusankar has applied for Environmental Clearance under Violation along with EIA Report & along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan for the Existing Multicolour Granite lease over an extent of 1.27.0Ha at S.F. No. 178/5A, 178/5B & 178/5C of Mallakotai Village, Tiruppathur Taluk, Sivagangai District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Your application for Terms of Reference dated: 08.08.2017(27333- ToR Granted) & 02.04.2018(23317 – Under Examination of SEIAA).
4. The ToR under violation for carrying out the EIA study under violation issued vide Lr. No. SEIAA-TN/F.No.6357/TOR- 321/2018 Dated: 10.05.2018.
5. ToR Amendment for ToR under Violation with Public Hearing issued vide Lr. No.SEIAA-TN/ F.No.6357/SEAC- CXVIII/TOR-321(A)/2018 Dated: 20.07.2018.


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6. ToR Extension of Validity under Violation with Public Hearing issued vide Lr. No. SEIAA-TN/F.No.6357/ToR-321/2018/A/ dated:30.10.2021
7. Online Application seeking EC under Violation No. SIA/TN/MIN/42370/2017 dated: 17/09/2019.
8. The project proponent has obtained Mining lease vide G.O (3D) No.93/ Industries (MME-II) Dept. dated 04.12.2006 for a period of 20Years (11.12.2006 to 10.12.2026).
9. The mining lease was issued for the period of 20 years. The scheme of mining plan is for the period of 4 years & production should not exceed 60963cu.m of RoM including 3535cu.m/Annum of Multicolour Granite(25% Recovery) &41246 cu.m of Granite Waste(75% Reject). The ultimate depth is 40m BGL.(As per PPT)
10. VAO letter Dt:14.09.2019.
11. MoEF&CC, Office Memorandum Dt:12.11.2020.

Based on the presentation made and documents furnished by the project proponent, the SEAC decided to make site inspection by the sub-committee to be constituted by the SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the subcommittee will assess the ecological damage and to check the Remedial Plan & Community Augmentation Plan submitted by the PP during the inspection. Further, the PP requested for exemption of public hearing and SEAC decided to exempt public hearing as per MoEF&CC, Office Memorandum Dt:12.11.2020.

The Project proponent shall furnish the following documents during the site inspection by the sub-committee

1. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.
2. Copy of request letter submitted by PP for renewal of scheme of mining plan.
3. Copy of approved & valid review of scheme of mining plan by the competent authority of the Dept of Geology and Mining.
4. Copy of total penalty levied by the AD/DD, Dept of Geology and Mining.


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Villupuram District and copy of remittance of total penalty by PP.

5. 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.
6. The PP shall remit Rs. 5 lakh to DFO of concerned District as Conservation/mitigation measures for the Vettangudi Bird Sanctuary since the site is within 10km radius.

On the receipt of the sub-committee report, further deliberation will be carried out in the forthcoming Committee Meeting.

Agenda No: 341-28

(File No: 6358/2018)

Existing Limestone Mine lease over an extent of 2.34.5Ha (patta land) in S.F.Nos. 81/2A of Alambadi Village, Vedesandur Taluk, Dindigul District, Tamil Nadu by Thiru. C. Ganesh Murthy-for Terms of Reference under Violation.(SIA/TN/MIN/27168/2018 Dated: 11.09.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. C. Ganesh murthy has applied for Terms of Reference Violation for the Existing Limestone mine lease over an extent of 2.34.5Ha (patta land) in S.F.Nos. 81/2A of Alambadi Village, Vedesandur Taluk, Dindigul 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. The quarry lease was granted vide proceedings letter RC.No.19513/MM4/2000 dated:06.09.2002 for the period of twenty years (2002-03 to 2021-22). The lease deed was executed on 28.12.2002.
4. As per the MMDR Amendment Act 2015, the period of mining lease is extended for 50 years from the grant of mining lease (upto 2052).


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5. The mining plan was prepared and approved by the Indian Bureau of mines, Chennai in letter No.TN/DN/MP/LST/-1407-MDS dated 12.02.2022.
6. The first Scheme of mining for the period (2008-09 to 2012-13) was approved by the Indian Bureau of Mines vide letter no.TN/DGL/LST/MS-658-MDS, dated: 11.05.2012 and mining plan was expired on 31.03.2013.
7. Hence, the Second scheme of mining for the period of (2013-14 to 2017-18) is prepared and approved vide letter No.TN/DGL/LST/MS-891.MDS dated: 11.07.2013 and mining plan was expired. The production as per the scheme of mining (2013-14 to 2017-18) is 39,187 Ts of RoM including 23,512 Ts of Limestone @60 %. The ultimate depth is 29 m BGL (existing pit - 29m).

SEAC observed that, the project proponent has submitted the documents regarding the particulars of the lease and mining working. It was observed that mine was in operation without obtaining Environmental Clearance. As the case above stands affirmative, the project is being granted Terms of Reference for undertaking Environmental Impact Assessment and preparation of EMP. The SEAC recommends the Terms of Reference for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited

consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of environment. Three months data relating to the ecological parameters is to be submitted with analysis.

The project proponent besides above has to also submit the Affidavit/ No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme Court to approach State Mines and Geology Department for certification regarding


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payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957. The amounts so payable to the state government for the Granite would inter-alia, account for the mining operation in violation of the following: -

- Without Environmental Clearance (EC) or in excess of quantity approved in EC.
- Without consent to Operate (CTO) or in excess of quantity approved in CTO.
- Without mining plan/scheme of mining or in excess of quantity approved in mining plan/scheme of mining.
- Without forest clearance
- Any other violation.

The project proponent is hereby directed to furnish Affidavit as per the guidelines issued by MoEF& CC, in connection with the orders of the Hon'ble Supreme Court and the annexure provided by SEIAA, while submitting EIA/EMP for consideration of EC.

Based on the presentation made by the proponent and the documents furnished, the committee decided to recommend for the grant of Standard ToR under Violation category for mining projects as specified by MoEF& CC subject to the above conditions in addition to the Additional ToR specified by the SEAC to deal with the violation aspects of the mining projects.

In addition to the above, the proponent shall submit the following details:

1. The PP requested for waiver of Public Hearing and SEAC agreed to waive public hearing, provided the PP produced a letter from the concerned AD, G&M, stating that the proposal will not form part of cluster as defined under the Notification/OM of MoEF&CC, along with EIA Report. If the proposal forms part of cluster, public hearing shall be conducted as per the prescribed procedure.
2. The PP shall withdraw the duplicate file with online number 23826 (ToR application) dated 07.04.2018 and 62775 (EC application) dated 25.02.2017.


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3. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
4. The PP shall submit a letter for the extension of the validity of the Mining Lease (Le 2044) issued by the State Government as per the section 8A(5) of MMDR Act, 2015 (Amended).
5. The SELAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
6. The applicability of Public Hearing is subject to the cluster area > 5 Ha as per 500m radius letter obtained from AD/DD, Dept. of Geology & Mining in adherence with the MoEF&CC Notification Dt:01.07.2016.
7. A letter from the concerned DFO stating the proximity distance of Kadavur Slender Loris WLS, RF etc., located within 25 Km from the project site.
8. 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 occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.,
9. The PP shall prepare, submit and present Chapter 13 within one year from the date of issue of ToR which includes,
 - a. Enumerate the aspects of violation
 - b. Preparation of Ecological Damage Assessment
 - c. Preparation of remediation plan
 - d. Preparation of Natural Resource Augmentation plan
 - e. Preparation of Community Resource Augmentation plan
10. 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.


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11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - i. Quantity of minerals mined out.
 - ii. Highest production achieved in any one year
 - iii. Detail of approved depth of mining.
 - iv. Actual depth of the mining achieved earlier.
 - v. Name of the person already mined in that leases area.
 - vi. If EC and CTO already obtained, the copy of the same shall be submitted.
 - vii. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
17. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology


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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).

18. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
 25. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
 26. 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.
 27. 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.
 28. 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.
 29. 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.
 30. Impact on local transport infrastructure due to the Project should be indicated.
 31. 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.

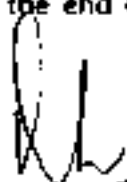

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32. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
33. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with 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.
34. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
35. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
36. 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.
37. 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.
38. 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.
39. 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


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lease period.

40. 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.
41. 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.
42. 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.
43. 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.
44. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
45. 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.
46. 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/TNPCCB.
47. 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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48. 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: 341-29

(File No: 6365/2018)

Existing Limestone Mine lease over an extent of 1.14.0Ha (patta land) in S.F.Nos. 202/2k (part) of Olalpadi West Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Saravana Mines & Minerals -for Terms of Reference under Violation. (SIA/TN/MIN/23188/2018 Dated: 06.04.2018)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Saravana Mines & Minerals has applied for Terms of Reference Violation for the existing Limestone quarry lease over an extent of 1.14.0Ha (patta land) in S.F.Nos. 202/2k (part) of Olalpadi West Village, Kunnam Taluk, Perambalur 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. The quarry lease was granted vide G.O (3D) No.29 Industries (MMA-2) Dept. dated 03.04.1998 for the period of twenty years (1998-99 to 2017-18). The lease deed was executed on 31.07.1998.
4. As per the MMDR Amendment Act 2015, the period of mining lease is extended for 50 years from the grant of mining lease (upto 2048).
5. The first scheme of mining (2003-04 to 2007-08) was prepared and approved by the Indian Bureau of mines, Chennai vide letter No.TN/LST/MS-268-MDS dated 1.11.2004.
6. The scheme of mining was not prepared for the period (2008-09 to 2012-13).


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7. The Scheme of mining period (2013-14 to 2017-18) was approved by the Indian Bureau of Mines vide letter no.TN/PBR/LST/MS-854-MDS. dated: 07.06.2013 and mining plan was expired on 31.03.2018. The production as per the RoMP, 1,26,095 Ts of RoM including 1,13,486 Ts of Limestone @ 90%. The depth of mining is 6 m BGL (Existing pit - 6m).

SEAC observed that. the project proponent has submitted the documents regarding the particulars of the lease and mining working. It was observed that mine was in operation without obtaining Environmental Clearance. As the case above stands affirmative, the project is being granted Terms of Reference for undertaking Environmental Impact Assessment and preparation of EMP. The SEAC recommends the Terms of Reference for the project for assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, accredited by NABET or a laboratory of council of Scientific and Industrial research Institutions working in the field of environment. Three months data relating to the ecological parameters is to be submitted with analysis.

The project proponent besides above has to also submit the Affidavit/ No Objection certificate (NOC) in compliance of the orders of the Hon'ble Supreme Court to approach State Mines and Geology Department for certification regarding payment of 100% cost of illegally mined minerals to the State Government in terms of the Section 21(5) of the MMDR Act, 1957. The amounts so payable to the state government for the Granite would inter-alia, account for the mining operation in violation of the following: -

- Without Environmental Clearance (EC) or in excess of quantity approved in EC.
- Without consent to Operate (CTO) or in excess of quantity approved in CTO.


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- Without mining plan/scheme of mining or In excess of quantity approved in mining plan/scheme of mining.
- Without forest clearance
- Any other violation.

The project proponent is hereby directed to furnish Affidavit as per the guidelines issued by MoEF& CC, in connection with the orders of the Hon'ble Supreme Court and the annexure provided by SEIAA, while submitting EIA/EMP for consideration of EC.

Based on the presentation made by the proponent and the documents furnished, the committee decided to recommend for the grant of Standard ToR under Violation category for mining projects as specified by MoEF& CC subject to the above conditions in addition to the Additional ToR specified by the SEAC to deal with the violation aspects of the mining projects. The public hearing shall be conducted as per the directions of Hon'ble High of Judicature at Madras.

1. The PP shall withdraw the duplicate file with online number 62906 (EC application) dated 02.03.2017 and 59991 (ToR application) dated: 22.07.2017.
2. The project proponent shall submit approved Review of Mining Plan with Scheme of Mining for continuing the mining operations in the next production plan period during the extended lease period along with the EIA/EMP report.
3. The PP shall submit a letter for the extension of the validity of the Mining Lease (i.e 2044) issued by the State Government as per the section 8A(5) of MMDR Act, 2015 (Amended).
4. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
5. The applicability of Public Hearing is subject to the cluster area > 5 Ha as per 500m radius letter obtained from AD/DD, Dept. of Geology & Mining in adherence with the MoEF&CC Notification Dt:01.07.2016.


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6. 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 occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.,
7. The PP shall prepare, submit and present Chapter 13 within one year from the date of Issue of ToR, which includes,
 - (f) Enumerate the aspects of violation
 - (g) Preparation of Ecological Damage Assessment
 - (h) Preparation of remediation plan
 - (i) Preparation of Natural Resource Augmentation plan
 - (j) Preparation of Community Resource Augmentation plan
6. The applicability of Public Hearing is subject to the cluster area > 5 Ha as per 500m radius letter obtained from AD/DD, Dept. of Geology & Mining in adherence with the MoEF&CC Notification Dt:01.07.2016.
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 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.
8. 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.
8. 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 1967 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
9. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed


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quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.

10. 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.
11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines.
 - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b) Quantity of minerals mined out.
 - c) Highest production achieved in any one year
 - d) Detail of approved depth of mining.
 - e) Actual depth of the mining achieved earlier.
 - f) Name of the person already mined in that leases area.
 - g) If EC and CTO already obtained, the copy of the same shall be submitted.
 - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
12. 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).
13. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
14. 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.


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15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. Rain water harvesting management with recharging details along with water


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balance (both monsoon & non-monsoon) be submitted.

21. 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.
22. 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.
23. 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.
24. 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.
25. Impact on local transport Infrastructure due to the Project should be indicated.
26. 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.
27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
28. 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


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regard to the Office Memorandum of MoEF& CC accordingly.

29. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
30. The PP shall produce/display the EIA report. Executive summary and other related information with respect to public hearing in Tamil Language also.
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 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
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


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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.

Agenda No: 341-30


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(File No: 6373/2018)

Existing Limestone Excavation to an extent of 1.22.0 Ha in S.F. No.483 & 484 of Virudhunagar Village, Virudhunagar Taluk, Virudhunagar District of Tamil Nadu by Thiru P. Duralpandi, Prop.: P.G. & SONS- For Terms of Reference under Violation. (SIA/TN/MIN/ 62519/2017 Dt: 14.02.2017)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

- The project proponent Thiru P. Duralpandi, prop. P.G. & SONS has applied for Terms of Reference for the Existing Limestone Excavation to an extent of 1.22.0 Ha in S.F. No.483 & 484 of Virudhunagar Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu.
- The project/activity is covered under Violation Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

During the meeting the SEAC noted that the PP has not attend the meeting. Therefore, SEACE decided to defer the proposal.

Agenda No: 341 – 31

(File No. 6374/2017)

Existing Limestone quarry over an extent of 0.81.0 Ha at S.F.No.121/1 & 2 of Punjal Edaiyar Kilnugam Village, Paramathi Velur Taluk, Namakkal District, Tamil Nadu by by Tmt. T. Selvi for grant of Terms of Reference "Under Violation". (SIA/TN/MIN/24973/2018 Dated: 13.04.2018)

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Tmt. T. Selvi has applied for grant of Terms of


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Reference "Under Violation" for the Existing Limestone Quarry over an extent of 0.81.0 Ha at S.F.No.121/1 & 2 of Punjai EdaiyarKilmugam Village, ParamathiVelur Taluk, Namakkal District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Neither the proponent nor the EIA coordinator was present for the appraisal. Hence, SEAC decided not to take up the proposal.

Agenda No: 341-32

(File No: 6376/2017)

Proposed Limestone Mine Quarry lease over an extent of 1.59.5Ha in S.F.Nos. 44/9, 10-B, 45/1, 2, 3, 4 & 5 of Paravai (East) Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s.Arun Chemicals for Environmental clearance. (SIA/TN/MIN/63461/2017, Dated:25.03.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s.Arun Chemicals has applied for Environmental clearance for the proposed Limestone Mine quarry lease over an extent of 1.59.5 Ha at S.F.Nos.44/9, 10-B, 45/1, 2, 3, 4 & 5 of Paravai(East) Village, Kunnam Taluk, Perambalur District, Tamil Nadu.
2. The project/activity is covered under Category "B" 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.

Agenda No: 341 – 33

(File No. 6386 /2017)


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Proposed construction of Buildings for Outpatients and other departments within the existing hospital campus at S.No: 37/1 of Vepery Village, Tondiarpet Taluk, Chennai District, Tamil Nadu by M/s. Rajiv Gandhi Government General Hospital - Environmental Clearance (SI/VTN/NCP/63614/2017 dated:30.03.2017)

The proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Proponent, M/s. Rajiv Gandhi Government General Hospital has applied for Environment Clearance for the proposed construction of Buildings for Outpatients and other departments within the existing hospital campus at S.No: 37/1 of Vepery Village, Tondiarpet Taluk, Chennai District, Tamilnadu.
2. The proposed quarry/activity is covered under Category "B" 8(a) Building & Construction Projects of the Schedule to the EIA Notification, 2006.
3. Total land area is 8424 Sqm. The total built-up area of the proposed residential building is 23,429 Sqm.
4. Earlier, this proposal was placed in the 93rd meeting of the SEAC held on 11.08.2017 for appraisal. In the SEAC meeting, the proponent was asked to furnish the following additional details,
 - 1) As per the water balance diagram presented by the proponent it is proposed to use 243 KLD of fresh water from CMWSSB. Since this is a huge quantity, any difficulty in procuring this quantity from CMWSSB will pose operation problems in running the hospital. Hence, the members of the committee interacted with the proponent regarding any contingent measure contemplated to augment the supply of fresh water in the event of deficiency in CMWSSB supply. The proponent responded by saying that another source of supply is being worked out with a nearby Military hospital. In this regard, the agreement details (MOU) shall be furnished.
 - 2) In the same water balance diagram, it is indicated that 219 KLD of raw sewage will be pumped to CMWSSB pumping station from the hospital


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campus. This is not an environmentally sound proposal because ultimately this sewage will come back to River Cooum in the form of treated/untreated sewage. Hence, the committee insisted that sewage generated within the campus should be treated and recycled/re-used for certain beneficial purposes like toilet flushing and green belt development. Accordingly, the proponent agreed to revise the proposals in this regard and submit the same.

- 3) As per the data furnished by the proponent the committee noted that the particulate matter (PM10) and the noise levels are very high surrounding the project site. Hence proper mitigation measures should be implemented to control the dust and noise since the proponent is implementing a hospital project where the health of the patients and the staff should be protected by the proponent. The green belt development is one of the proposal by the proponent has to implement covering 15% of the project area with the suitable tree species. The proponent should provide double glazed panels for windows and insulation in all exterior walls facing the road to prevent noise pollution.
- 4) The project site is very close to the River Cooum, about 10m away. The proponent should clarify from competent authorities whether the project attracts Coastal Regulation Zone (CRZ) provisions in implementing the project.

Now, the proposal was placed in this 341st Meeting of SEAC held on 29.12.2022. During the meeting the Committee 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.

Agenda No: 341-34

(File No: 6387/2017)

Existing Limestone Mine lease area over an extent of 4.95.0Ha at S.F.Nos.394, 396, 416 & 417 Pudukalayam & Edayathankudi Village, Ariyalur Taluk, Ariyalur District


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Tamil Nadu by M/s. Chettinad Cement Corporation Limited For Terms of Reference under violation category. (SIA/TN/MIN/25079/2018).

The proposal was placed for appraisal in 341st meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Chettinad Cement Corporation Limited, has applied for Terms of Reference under violation category for the Existing Limestone Mine lease area over an extent of 4.95.0Ha at S.F.Nos.394, 396, 416&417 Pudupalayam & Edayathankudi Village, Ariyalur Taluk, Ariyalur District Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006

During the meeting, the Committee noted that the project proponent is absent during the meeting. Hence the subject was not taken up for discussion.


Further, the Project Proponent vide Lr. CCCPL /PPM-EDK/EC-02 Dt:28.12.2022 has informed that they have decided not to pursue further the process of obtaining EC since they have decided to surrender the mining lease to IBM and has submitted Final Mine Closure Plan in order to close the mine properly. The last permit was issued on 22.12.2016. In view of these, the proponent has requested SEIAA to dispose of their application seeking EC.

In view of the above, SEAC decided that the PP shall furnish documentary evidences in the forthcoming SEAC meeting so as to consider their request for withdrawal of said proposal seeking EC under 'Non-violation' category.

Agenda No: 341-35

(File No: 6388/2017)

Existing Limestone Mine lease area over an extent of 4.00.0Ha at S.F.Nos.31/2A, 2B, 4A, 4B, 4C, 4D, 5A,5B, 5C, & 5D, 32/2A &2B, Karuppursenapathy Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s. Chettinad Cement Corporation Limited For Terms of Reference under violation category. (SIA/TN/MIN/25115/2018).


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The proposal was placed for appraisal in 341st meeting of SEAC held on 29.12.2022
The details of the project furnished by the proponent are given in the website
(parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/S. Chettinad Cement Corporation Limited, has applied for Terms of Reference under violation category for the Existing Limestone Mine lease area over an extent of 4.00.0Ha at S.F.Nos.31/2A, 2B, 4A, 4B, 4C, 4D, 5A,5B, 5C, & 5D, 32/2A &2B, Karruppusenapathy Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006

During the meeting, the Committee noted that the project proponent is absent during the meeting. Hence the subject was not taken up for discussion.


Further, the Project Proponent vide Lr. CCCPL /KRP-SEN/EC-02 Dt:28.12.2022 has informed that they have decided not to pursue further the process of obtaining EC since they have decided to surrender the mining lease to IBM and has submitted Final Mine Closure Plan in order to close the mine properly. The last permit was issued on 22.12.2016. In view of these, the proponent has requested SEIAA to dispose of their application seeking EC.


In view of the above, SEAC decided that the PP shall furnish documentary evidences in the forthcoming SEAC meeting so as to consider their request for withdrawal of said proposal seeking EC under 'Non-violation' category.

Agenda No: 341-36

(File No: 6389/2017)

Existing Limestone Mine lease area over an extent of 4.99.5Ha at S.F.Nos.382/1A, 382/1B,382/1C, 382/1D, 382/5A, 383/1A, 383/1B, 383/1C, 383/2A, 383/2B, 383/2C, 383/3A, 383/3B, 384/1D (P) of Nakkambadi Village, Sendurai Taluk, Ariyalur District.


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Tamil Nadu by M/s. Chettinad Cement Corporation Limited -For Terms of Reference under violation category.(SIA/TN/MIN/25056/2018 dated: 07.04.2017).

The proposal was placed for appraisal in 341st meeting of SEAC held on 29.12.2022

The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. Chettinad Cement Corporation Limited, has applied for Terms of Reference under violation category for the proposed Lime Stone Minelease area over an extent of 4.99.5Ha at S.F.Nos.382/1A, 382/1B,382/1C, 382/1D, 382/5A, 383/1A ,383/1B, 383/1C, 383/2A, 383/2B, 383/2C, 383/3A, 383/3B, 384/1D (P) of Nakkambadi Village, Sendurai Taluk, Ariyalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Mining Lease (ML) has been granted vide Rc. No. 9533/MMI/2010 dated 05.02.2013 for 20 Years.
4. The Modified Mining Plan has been approved by the Regional Controller of Mines, IBM, Chennai vide Letter No. TN/ALR/MP/LST/1918.MDS dated 24.01.2014.
5. MoEF&CC notification Dt: 15.01.2016.
6. MoEF&CC notification vide S.O. 804 (E) Dt. 14.3.2017.
7. MoEF & CC Notification S.O.1030 (E) dated 08.03.2018.
8. MoEF&CC Office Memorandum No. F.No. Z-11013/22/2017-1A.II (M) dated 15.03.2018.
9. MoEF &CC OM F. No. 22-10/2019-1A.111 dated 09.09.2019.
10. Hon'ble NGT(SZ) order dated 30.06.2020 in O.A.No.136 of 2017.
11. MoEF&CC, Office Memorandum Dt:12.11.2020.

During the meeting, the Committee noted that the project proponent is absent during the meeting. Hence the subject was not taken up for discussion.


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Further, the Project Proponent vide Lr. CCCPL /KRP-SEN/EC-02 Dt:28.12.2022 has informed that they have decided not to pursue further the process of obtaining EC since they have decided to surrender the mining lease to IBM and has submitted Final Mine Closure Plan in order to close the mine properly. The last permit was issued on 22.12.2016. In view of these, the proponent has requested SEIAA to dispose of their application seeking EC.

In view of the above, SEAC decided that the PP shall furnish documentary evidences in the forthcoming SEAC meeting so as to consider their request for withdrawal of said proposal seeking EC under 'Non-violation' category.

Agenda No: 341-37

(File No: 6390/2017)

Proposed Limestone Mine Quarry lease over an extent of 2.30.0Ha in S.F.Nos. 191/2A,191/3,191/4,193/1, 193/2 & 193/3 of A.Reddiyapatti Village,Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Tmt. K. Gowri for Environmental clearance. (SIA/TN/MIN/63989/2017, Dated:15.04.2017)

The proposal was placed in 341st Meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. K. Gowri has applied for Environmental clearance for the proposed Limestone Mine quarry lease over an extent of 2.30.0Ha at S.F.Nos.191/2A,191/3,191/4,193/1,193/2 & 193/3 of A.Reddiyapatti Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification,2006.

The Committee noted that the PP has not hired an EIA Co-Ordinator. Hence SEAC decided that the PP shall hire an EIA Co-Ordinator and shall attend the meeting.

Agenda No: 341-38

(File No: 6391/2017)


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Existing Lime stone quarry lease over an extent of 3.60.5 Ha at S.F.No. 471/1B & 483(P) of Vikramasingapuram Village, Ambasamudram Taluk, Tirunelveli District, Tamil Nadu by Tmt. G. Annalakshmi- For Environmental Clearance under violation. (SIA/TN/MIN/64085/2017 dated 20.04.2017).

The proposal was placed in this 341st meeting of SEAC held on 29.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. G. Annalakshmi has applied for Environmental Clearance under violation category for the Existing Lime stone quarry lease over an extent of 3.60.5 Ha at S.F.No. 471/1B & 483(P) of Vikramasingapuram Village, Ambasamudram Taluk, Tirunelveli 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.

Based on the presentation and document furnished by the project proponent, SEAC noted that, the Sanctuary is located at a distance of 3.7 km and hence the PP shall obtain NBWL clearance. vide, MoEF & CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.

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

Agenda No: 341-39.

(File No:6392/2017)

Existing lime Stone quarry (Azur Lime stone Mine) over an extent of 4.925 Ha falling in SF Nos. 209/3A, 3B, 3C, 5, 6, 7B, 8, 9, 10A, 10B, 11, 12, 13A, 13B, 14, 17, 18, 210/3, 4, 6, 7A, 7B & 9 (p) of Azur Village, Kunnarn Taluk, Perambalur District, Tamil Nadu by M/s. Chettinad Cement Corporation Limited (CCCL) - for Environmental Clearance "Under Violation". (SIA/TN/MIN/64181/2017Dt:24.04.2017).

The proposal was placed in 341st SEAC meeting held on 29.12.2022. 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, M/s. Chettinad Cement Corporation Limited (CCCL) has applied for Environmental Clearance under Violation for the Existing lime Stone quarry (Azur Lime stone Mine) over an extent of 4.925 Ha falling in SF Nos. 209/3A, 3B, 3C, 5, 6, 7B, 8, 9, 10A, 10B, 11, 12, 13A, 13B, 14, 17, 18, 210/3, 4, 6, 7A, 7B & 9 (p) of Azur Village, Kunnam Taluk, Perambalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Pre-use Area Communication has been accorded by the State Government vide Letter 3456/MMI/2011 dated 19.03.2012.
4. Mining Lease (ML) has been granted vide Rc. No. 3456/MMI/2011 dated 05.02.2013 for 20 Years.
5. As per Amended MMDR Act 2015, the validity of the Lease is 50 years i.e. upto 13.08.2063.
6. The Mining Plan has been approved by the Regional Controller of Mines, IBM, Chennai vide Letter No. TN/PBR/MP/LST/1813-MDS dated 28/30.08.2012.
7. The Modified Mining Plan was accorded by the Regional Controller of Mines, IBM, Chennai vide Letter No. TN/PBR/MP/LST/1917-MDS dated 24/27.01.2014.
8. The Modified Mining Plan was accorded by the Regional Controller of Mines, IBM, Chennai vide its Letter TN/PBR/MP/LST-199-MDS dated 15.11.2016.
9. The mining plan is for the period of 3 years (Life of Mine remaining) & production should not exceed 1,50,000 Tonnes/annum of RoM @ 500 Tonnes per day. The ultimate depth is 20m BGL.
10. MoEF&CC notification Dt: 15.01.2016.
11. MoEF&CC notification vide S.O. 804 (E) Dt. 14.3.2017.
12. MoEF & CC Notification S.O.1030 (E) dated 08.03.2018.
13. MoEF&CC Office Memorandum No. F.No. Z-11013/22/2017-IA.II (M) dated 15.03.2018.


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14. MoEF & CC OM F. No. 22-10/2019-1A.111 dated 09.09.2019.

15. Hon'ble NGT(SZ) order dated 30.06.2020 in O.A.No.136 of 2017.

16. MoEF&CC, Office Memorandum Dt:12.11.2020.

During the meeting the Committee noted that the project proponent is absent during the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

Further, based on the Project Proponent Ir.CCCPL/KRP-SEN/EC-02 Dt:28.12.2022 has informed that they have decided not to pursue further on process of obtaining EC and requested SEIAA to dispose of their application seeking EC. In view of the above, SEAC noted that the PP has informed that the last transport permit was issued Dt: 13.07.2015. Hence, the PP shall furnish documentary evidences in the forthcoming SEAC meeting so as to consider their request for withdrawal of said proposal seeking EC.

Agenda No: 341-40

(File No: 6401/2017)

Proposed Construction of Residential complex -Cascade at S.F.No. 101/1B2, 104/2B2, 101/19A, 104/8C1A, 101/8C1B, 104/8C2 & 104/8C3 Okkiyam Thoralpakkam Village Sholinganallur Taluk, Kancheepuram District Tamil Nadu by M/s. Ramaniyam Real Estates Pvt. Ltd.- For Environmental Clearance. (SIA/TN/NCP/64705/2017 dated 15.05.2017)

The proposal was placed in the 341st meeting of SEAC held on 29.12.2022. The project proponent gave a detailed presentation. 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, M/s. Ramaniyam Real Estates Pvt. Ltd. has applied seeking Environmental Clearance for the Proposed Construction of Residential complex -Cascade at S.F.No. 101/1B2, 104/2B2, 101/19A, 104/8C1A, 101/8C1B, 104/8C2 & 104/8C3 Okkiyam Thoralpakkam Village Sholinganallur Taluk, Kancheepuram District Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building


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and Construction Projects" of the Schedule to the EIA Notification, 2006, as amended.

During the meeting the SEAC noted that the PP has not attend the meeting. Therefore, SEACE decided to defer the proposal.


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ANNEXURE-I

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMs w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent


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erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.

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


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

13. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other Initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project Proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
14. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
15. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.


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16. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
17. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
18. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
19. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
20. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
21. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
22. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District


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Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

24. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.
25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation. If the project site attracts the NBWL clearance, as per the existing law from time to time.
26. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Pre-de area communication letter issued by concerned District Collector should be strictly followed.
27. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the Appendix -II of this minute.


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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Apple marmelos</i>	Vilvam	விவம்
2	<i>Adenanthera pavonina</i>	Manjoti	மஞ்சள், மஞ்சள் மஞ்சள்
3	<i>Albizia lebbek</i>	Vangai	வங்கை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia papyrifera</i>	Mantharai	மந்தரை
6	<i>Bauhinia racemosa</i>	Aathi	அத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவத்தி
8	<i>Buchanania arillaris</i>	Kattuma	கட்டிமா
9	<i>Borassus flabellifer</i>	Pani	பனி
10	<i>Butea monosperma</i>	Marukkamaram	மருக்காமரம்
11	<i>Bobax carbe</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Pannai	பன்னை
13	<i>Cassia fistula</i>	Seralondrai	சேரலண்டை
14	<i>Cassia roxburghii</i>	Sengondrai	சேங்கண்டை
15	<i>Chloroxylon swietenia</i>	Parasamaram	பரசம்மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள்
17	<i>Cordia dichotoma</i>	Naruveti	நரவெதி
18	<i>Croton alauensis</i>	Mavalingam	மாவலிங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	Sruva, Sitruza	சுருவா
21	<i>Diospyros ebenum</i>	Karungali	கரங்கலி
22	<i>Diospyros schloroxylon</i>	Vaynudi	வையுதி
23	<i>Ficus amplissima</i>	Kallichi	கல்லை
24	<i>Hibiscus tiliaceus</i>	Aarupoovarasu	அரூபுவாரசு
25	<i>Hardwickia binata</i>	Aacha	அச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	அயில்
27	<i>Lantana camara</i>	Othiam	ஒதியம்
28	<i>Lagerstromia speciosa</i>	Poo Maradhu	பூ மரத்து
29	<i>Leprosanthus tetraphylla</i>	Neikottaimaram	நெிகொட்டைமரம்
30	<i>Linum catharticum</i>	Vila maran	வில்லா மரம்
31	<i>Litsea glutinosa</i>	Painpattai	பைன்பட்டை
32	<i>Madhura longifolia</i>	Iluppei	இலுப்பை
33	<i>Manihara hexandra</i>	UlaikaiPandi	உலகை பண்டி
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitrasyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெலை நுனா
38	<i>Phoenix sylvestris</i>	Eechai	ஏச்சை
39	<i>Pongamia pinnat</i>	Pangani	பாணி


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40	<i>Prentiss mollissima</i>	Munnai	முன்னி
41	<i>Prentiss serratifolia</i>	Narumuttai	நாரமுத்தி
42	<i>Prentiss tomentosa</i>	Malapooranai	மலபூர்நா
43	<i>Procopio cuneata</i>	Vanni maran	வாணி மாறன்
44	<i>Pterocarpus maritimus</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennanga, Tada	வேண்டாங்க
46	<i>Pterospermum xylocarpum</i>	Polava	பொலா
47	<i>Putranjiva roxburghii</i>	Karpala	கர்பலா
48	<i>Salodora persica</i>	Uga Maran	உகா மாறன்
49	<i>Sapindus marginatus</i>	Manipungan, Sompukai	மாணிபுண்டி சொம்புகை
50	<i>Sorax asoc</i>	Asoca	அசொகா
51	<i>Streptus asper</i>	Piray maran	பிரைய மாறன்
52	<i>Strychnos nuxvomica</i>	Yetti	யெட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேர்த்தாங்க கொட்டை
54	<i>Syzgium cumini</i>	Navai	நாவை
55	<i>Terminalia bullerica</i>	Thandri	தாந்திரி
56	<i>Terminalia arjuna</i>	Ven maradhu	வேன் மாறாடறு
57	<i>Toona ciliata</i>	Sandhana vembu	சாந்தாணா வெம்பு
58	<i>Thespesia populnea</i>	Puvarasu	புவராசு
59	<i>Walsbya trifoliata</i>	valvura	வால்வூரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecellobium dulce</i>	Kodakkapuli	கொடக்காபுலி

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