

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 319th meeting of the State Expert Appraisal Committee (SEAC) held on 12.10.2022 September 2022 (Wednesday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No. 319-01

(File No. 9442/2022)

Proposed Rough stone quarry over an extent of 1.60.0 Ha in S.F.No. 72(part) and 87/1(part) Doripalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. S. Mahesh Kumar for Terms of Reference (SIA/TN/MIN/82454/2022, Dated: 19.08.2022)

The proposal was placed in this 319th meeting of SEAC held on 12.10.2022. 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. Mahesh Kumar has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 1.60.0 Ha in S.F.No. 72(part) and 87/1(part), Doripalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years and the mining plan is for the period of 10 years. For the first 5 years, the total excavation for carrying out the development & production operations should not exceed 200256 cu.m. of Rough Stone & 22200 cu.m of Topsoil. The annual peak production is maintained at 57624 cu.m. of Rough Stone (5th Year). The ultimate depth -51 m (5m AGL + 46m BGL).

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


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1. Under the Reg. 106 (2) (a) of MMR 1961 states that ".....The height of any bench shall not exceed six metres and the breadth thereof shall not be less than the height....."

In the Mining Plan submitted during the appraisal, it was shown as the bench height is 7m in the Year wise production with a bench height of 5 m. Hence, the PP shall revise the Mining Plan for a bench geometry of 5 m height with a width of not less than 5 m and accordingly the volume shall be computed. The PP shall submit the revised Mining Plan approved by the concerned AD (Geology & Mines) during the EIA appraisal.

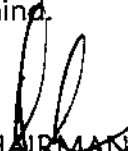
2. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the lake, water tanks, etc are located within 1 km of the proposed quarry.
3. The Proponent shall carryout various study about the impacts of proposed mining on the biodiversity, climate changes etc., and the same shall be included in EIA report.
4. The PP shall develop greenbelt and garland drain around the boundary of the proposed quarry and the photographs indicating the same shall be shown during the EIA appraisal.
5. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same during the EIA appraisal.
6. The PP shall furnish a revised EMP budget for entire life of proposed mining. i.e. for 10 years of mining lease period.
7. The Proponent shall submit a conceptual 'Slope Stability Plan' for the planned working of the quarry by maintaining appropriate benches incorporating the haul road with ruling gradient as the depth of the proposed quarry is exceeding 30 m, during the EIA appraisal.
8. The PP shall furnish an affidavit stating that the common boundary of not less than 7.5 width will be maintained with the neighbouring quarries unless the relaxation is obtained under Reg. 111 (3) of MMR 1961 for the complete

extraction of the same from the concerned Regional Director of Mines Safety, DGMS.

9. The Proponent 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 directly employed on full-time basis only by the proponent.
10. The PP shall enumerate the existence of houses, permanent structures, habitations, etc within a distance range of 100 m, 200 m, 300 m, and 500 m.
11. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry.
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,
What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - a. Quantity of minerals mined out.
 - b. Highest production achieved in any one year
 - c. Detail of approved depth of mining.
 - d. Actual depth of the mining achieved earlier.
 - e. Name of the person already mined in that leases area.
 - f. If EC and CTO already obtained, the copy of the same shall be submitted.
 - g. 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 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).
15. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
 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 and its mitigation measures. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.


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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. The PP shall provide the Travelling route for the proposed quarry and also indicate the impact on local transport infrastructure due to the Project activities.
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 Proponent 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 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.
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 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 Proponent 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: 319-02

(File No: 9443/2022)

Proposed Multicolour Granite Quarry lease over an extent of 1.91.5 Ha at S.F.Nos. 1124/7 (P), 1130/7 (P), 1131/7 and 1131/8 of Denkanikottai Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl. S.V. Granites - For Terms of Reference. (SIA/TN/MIN/82402/2022 Dt. 17.08.2022)


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The proposal was placed in 319th SEAC meeting held on 12.10.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

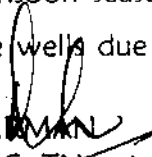
The SEAC noted the following:

1. The Project Proponent, Tvl. S.V. Granites has applied for Terms of Reference for the Proposed Multicolour Granite Quarry lease over an extent of 1.91.5 Ha at S.F.Nos. 1124/7 (P), 1130/7 (P), 1131/7 and 1131/8 of Denkanikottai Village, Krishnagiri Taluk, Krishnagiri 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 made by the proponent, SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:


1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The proponent shall detail the mitigation measures in CNWLS at the cost of 10 lakhs in EMP, after consulting the concerned Wildlife Warden.
3. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
4. The proponent shall give an affidavit stating that the quarry will participate in the Anna University Star Rating system annually after the commencement of mining operations.
5. 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


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mining activity. Necessary data and documentation in this regard may be provided.


6. The PP shall prepare and submit a Standard Operating Procedures (SoP) during the EIA appraisal, which is in line with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
7. The proponent shall submit the details on the type of controlled blasting activity if it is proposed during the quarrying operation.
8. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
9. The PP shall make necessary announcement regarding the Public Hearing to the nearby house owners located in the vicinity of the project site such that their presence is ensured during the meeting.
10. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
11. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures 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.


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13. The PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation if any other quarries lies/operates in a radial distance of 500 m from the proposed quarry.
14. Details of Green belt & fencing shall be included in the EIA Report.
15. 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.
16. 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,
17. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - a. Quantity of minerals mined out.
 - b. Highest production achieved in any one year
 - c. Detail of approved depth of mining.
 - d. Actual depth of the mining achieved earlier.
 - e. Name of the person already mined in that leases area.
 - f. If EC and CTO already obtained, the copy of the same shall be submitted.
 - g. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
18. 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).
19. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
20. 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.

21. 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.
22. 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.
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.
32. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
33. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
34. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.


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35. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
36. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
37. Impact on local transport infrastructure due to the Project should be indicated.
38. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
39. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
40. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
41. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
42. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
43. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
44. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the 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.
45. 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
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.
51. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
52. 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.

- 53.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.
- 54.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.
- 55.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: 319-03

(File No: 9445/2022)

Proposed Multi-colour Granite quarry lease area over an extent of 2.30.0Ha at S.F.Nos. 60/2B & 60/3B in Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. S. Naveena Granites - For Terms of Reference. (SIA/TN/MIN/82334/2022 Dt.16.08.2022)

The proposal was placed in 319th meeting of SEAC held on 12.10.2022. 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. S. Naveena Granites has applied for Terms of Reference for the proposed Multi-coloured Granite quarry lease area over an extent of 2.30.0Ha at S.F.Nos. 60/2B & 60/3B in Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 20 years. The mining plan is for the period of five years & production should not exceed ROM - 90,378 cu.m, 32,399 Cu.m of coloured granite (@60% recovery) & 21,599 Cu.m of granite waste, 18,190 cu.m of top soil and 18,190 cu.m of weathered


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rock. The annual peak production is ROM- 46,403cu.m (1st year), 6699 Cu.m of coloured granite (5th year) & 4466 Cu.m of granite waste (5th year).

The ultimate depth is 30 m BGL.

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

1. The PP shall prepare and submit a Standard Operating Procedures (SoP) during the EIA appraisal, which is in line with the safety provisions as laid for the operation of Diamond Wire Saw machines and use of Cranes vide DGMS Tech Circulars No: 02 of 29.11.2019 & No. 10 of 19.07.2002 respectively.
2. The proponent shall detail the mitigation measures in CNWLS at the cost of 10 lakhs in EMP, after consulting the concerned Wildlife Warden.
3. Lease deed document shall be registered in favour of PP following the legal provisions.
4. The EMP shall include a detailed study on the impact of proposed mining activity on elephants, leopards and other wildlife.
5. A tentative mining plan shall be submitted for the entire life of the mine and EMP shall be submitted for life of the mine during the EIA appraisal.
6. The PP shall spell out the stability measures for the proposed waste dump to be built in the higher elevation on a sloping ground to ensure safe environment.
7. The proponent shall give an affidavit stating that the quarry will participate in the Anna University Star Rating system annually after the commencement of mining operations and it shall be included in the EMP accordingly.
8. A detailed study on flora and fauna shall be carried around the proposed mine area by adopting standard procedures by involving the scholars of the nearby science college for providing a comprehensive biodiversity report.
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. As per the provisions of the Granite Conservation & Development Rules, 1999, the Proponent shall ensure that the overburden, waste rock and non-saleable granite generated during prospecting or mining operations of the granite quarry shall be stored separately in properly formed dumps on grounds earmarked. For this, the PP shall show the details of the ground selected within the mine leasehold area for dumping of overburden, waste material, the sub-grade or non-saleable ores or minerals is proved for absence or presence of underlying mineral deposits before it is brought into use for dumping..
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.
 - 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. As the odai/stream is situated at a distance of 530 m from the quarry site, 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 other 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.

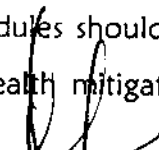
climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

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 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 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


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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: 319-04

(File No: 9456/2022)

Proposed Rough Stone Quarry lease over an extent of 4.44.0 Ha at S.F.No. 449(P) & 450 in Keeranur Village, Kangayam Taluk, Tiruppur District, Tamilnadu by Thiru.P.Sasikumar- For Terms of Reference.(SIA/TN/MIN/81244/2021 dated 28.07.2022)


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The proposal was placed in 319th meeting of SEAC held on 12.10.2022. The details of the project are available in the website (parivesh.nic.in).

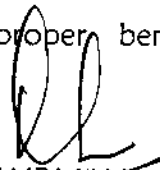
The SEAC noted the following:

1. The project proponent, Thiru.P.Sasikumar has applied for Terms of Reference for the proposed Rough stone quarry lease over an extent of 4.44.0 at S.F.Nos. 449(P) & 450 in Keeranur Village, Kangayam Taluk, Tiruppur District, Tamilnadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for 5 years. The production for 5 years not to exceed **4,52,430 cu.m of rough stone** with an ultimate depth of 37m below ground level.

Based on the presentation made by the proponent, **SEAC considering the safety aspects, suggested the proponent to realign the benches and revise the quantity accordingly and decided to grant Terms of Reference (TOR) with Public Hearing for the revised quantity** subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The project proponent shall submit certified compliance report for the EC obtained earlier along with the EIA report.
2. The PP shall furnish a letter from DFO on the proximity details of nearest RF with respect to the proposed project site.
3. The Project Proponent shall necessarily prepare and submit an 'Action Plan' for carrying out the realignment of the benches, i.e., section -'A-B' & 'C-D' where the bench width of 10 m to be maintained as 'safety berm' in the proposed quarry lease which shall be approved by the concerned Asst. Director of Geology and Mining indicating the revised quantity of excavation during the time of appraisal for obtaining the EC.
4. The PP shall furnish slope stability action plan vetted by the concerned AD (Mines) for the systematic working by maintaining proper benches


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incorporating the haul road with proper gradient as the height of the proposed quarry is exceeding 30 m, during the EIA appraisal.

5. The PP shall give an affidavit stating that the jack hammer drill machine fitted with the dust extractor will be deployed for the drilling operations such that the fugitive dust is controlled effectively at the source.
6. 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.
7. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry.
8. 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.
9. 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.
10. 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).

11. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.

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

27. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
28. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
29. 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.
30. 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 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.
31. 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
32. 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.
33. 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.
34. 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.

35. 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.
36. 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.
37. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
38. 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.
39. 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.
40. 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.
41. 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. 319-05

(File No. 9457/2022)

Proposed Rough Stone and Gravel quarry over an extent of 4.87.88Ha in S.F.No. 124/30, 124/31, 124/32, 124/33, 117/1, 117/5, 117/6, 117/4, 117/12B, 117/2, 141/2B2(P), 141/2E1, 124/17, 124/22, 124/23, 124/24, 124/25A, 124/25B, 124/35A,


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124/34, 124/35B, 124/16, 124/29, 124/6, 124/7, 124/11, 124/36, 124/14, 124/15, 141/2C1, 141/2C2, 141/2E2(P), 141/3(P), 141/4(P), 117/7, 124/8A, 124/8B, 124/12, 124/18, 124/9, 124/10, 124/13, 124/19, 124/20 and 124/21 of poonaithangal Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by M/s.Aditya Durga Aggregates Pvt Ltd - for Terms of Reference.(SIA/TN/MIN/82361/2022 dated 22.08.2022)

The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. 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.Aditya Durga Aggregates Pvt Ltd has applied for Terms of Reference for the proposed Rough Stone and Gravel quarry over an extent of 4.87.88Ha in S.F.No. 1124/30, 124/31, 124/32, 124/33, 117/1, 117/5, 117/6, 117/4, 117/12B, 117/2, 141/2B2(P), 141/2E1, 124/17, 124/22, 124/23, 124/24, 124/25A, 124/25B, 124/35A, 124/34, 124/35B, 124/16, 124/29, 124/6, 124/7, 124/11, 124/36, 124/14, 124/15, 141/2C1, 141/2C2, 141/2E2(P), 141/3(P), 141/4(P), 117/7, 124/8A, 124/8B, 124/12, 124/18, 124/9, 124/10, 124/13, 124/19, 124/20 and 124/21 of poonaithangal Village, Vembakkam Taluk, Tiruvannamalai 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. As per mining plan, the lease period is 10 years. The mining plan is for the period of first five years & the production should not exceed 7,00,335 m³ of Rough Stone, 38,599m³ of weathered Rock and 39,498m³ of gravel with an ultimate depth of mining 27m below ground level. The annual peak production 1443355 m³ of Rough Stone (4th year), 24687m³ of weathered Rock (1st year) and 25134 m³ of gravel (1st year).

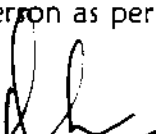
Based on the presentation made by the proponent, **SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing**, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be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


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1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
3. The PP shall furnish the revised manpower including the statutory & competent persons as required under the provisions of the MMR 1961 for the prosed quarry based on the volume of rock handled & area of excavation.
4. The PP shall provide the details on installation of First-Aid Room within the premises of the proposed quarry under the provisions of the Mines Rules, 1955.
5. 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. Necessary data and documentation in this regard may be provided.
6. The proponent shall submit the details regarding the nature of blasting activity which will be carried out.
7. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
8. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
9. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures 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


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MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.

11. Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.
12. Details of Green belt & fencing shall be included in the EIA Report.
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.
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.
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 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.


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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 daily and one most circulated vernacular 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.


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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 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: 319-06

(File No: 9470/2022)


Proposed Rough Stone Quarry lease over an extent of 1.40.0 Ha at S.F.No. 54 (Part-3) in Soolamalai Village, Bargur Taluk, Krishnagiri District, Tamilnadu by Tmt.V.Ellammal - For Terms of Reference. (SIA/TN/MIN/83086/2021 dated 01.09.2022)

The proposal was placed in 319th meeting of SEAC held on 12.10.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Tmt.V.Ellammal has applied for Terms of Reference for the proposed Rough stone quarry lease over an extent of 1.40.0 at S.F.Nos. 54 (Part-3) in Soolamalai Village, Bargur Taluk, Krishnagiri District, Tamilnadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.


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3. As per the mining plan, the lease period is for 10 years. The mining plan is for 10 years. The production for 10 years not to exceed **2,19,597 cu.m of rough stone and 12,139 cu.m of top soil** with an ultimate depth of 29m above ground level.

Based on the presentation made by the proponent, **SEAC decided to grant Terms of Reference (TOR) with Public Hearing** subject to the following TORs, in addition to

the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. Under the Reg. 106 (2) (a) of MMR 1961 states that ".....The height of any bench shall not exceed six metres and the breadth thereof shall not be less than the height....."

In the Mining Plan submitted during the appraisal, it was shown as the bench height is 7m in the Year wise production with a bench height of 5 m. Hence, the PP shall revise the Mining Plan for a bench geometry of 5 m height with a width of not less than 5 m and accordingly the volume shall be computed. The PP shall submit the revised Mining Plan approved by the concerned AD (Geology & Mines) during the EIA appraisal.

2. 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.
3. The Proponent 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 directly employed on full-time basis only by the proponent.
4. The PP shall enumerate the existence of houses, permanent structures, habitations, etc within a distance range of 100 m, 200 m, 300 m, and 500 m.
5. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry.


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6. 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.
7. The PP shall furnish the revised manpower including the statutory & competent persons as required under the provisions of the MMR 1961 for the proposed quarry based on the volume of rock handled & area of excavation.
8. 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.
9. 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).
10. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
11. 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.
12. The Project Proponent shall provide the details of mineral reserves and mineable

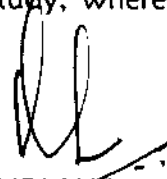
reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

13. 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.
14. 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.
15. 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.
16. 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.
17. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
18. 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.

19. 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.
20. 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.
21. 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.
22. Impact on local transport infrastructure due to the Project should be indicated.
23. 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.
24. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
25. 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.
26. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
27. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
28. 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.


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29. 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 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.
30. 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
31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
37. 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.
38. 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.
39. 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.
40. 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: 319 - 07


(File No. 3818/2022)

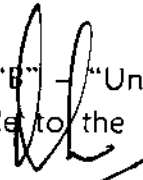
Existing Black Granite Mine lease over an Extent of 1.01.0Ha in S.F.Nos.214/1A & 214/2B at Iggalore Village of Thalavadi Taluk, Erode District, Tamil Nadu State by Thiru E.C.Senniappan for Extension of validity of the Terms of Reference "Under Violation". (SIA/TN/MIN/270787/2022 dated: 02.05.2022)

The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru E.C.Senniappan has applied seeking Extension of validity for Terms of Reference under Violation for the Existing Black Granite Mine lease over an Extent of 1.01.0Ha in S.F.Nos.214/1A & 214/2B at Iggalore Village of Thalavadi Taluk, Erode 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


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Notification, 2006.

3. The Proponent had applied for ToR to carry out the EIA study under violation vide dated 04.04.2018.
4. The ToR for carrying out the EIA study under violation was issued vide Letter No.SEIAA-TN/F.No.3818/ToR-489/2018/ dated 16.05.2018.
5. Further, Amendment to ToR Letter No. SEIAA-TN/F-3818/SEAC-CXVIII/TOR- 489(A)/2018 dt 30.07.2018 and the ToR Extension under violation was issued vide SEIAA. Lr. No. No.SEIAA-TN/F.No.3818/ToR-489/2018 dated: 29.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
7. Now the proponent has applied online through Parivesh portal vide Proposal No. **SIA/TN/MIN/270787/2022 dated: 02.05.2022** for the extension of validity of ToR with all required documents as applicable.
8. The proponent had cited the reasons of the outbreak of the Corono virus (covid-19) and subsequent lockdowns which had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

The SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid... "*.

Hence, the SEAC after detailed discussions confirmed that the ToR issued is valid up to 15.05.2023 as per the aforesaid MoEF Notification dated 18.01.2021.

Therefore, the project proponent is requested to submit EC application, Public Hearing minutes, EIA/EMP report along with the following additional details during the EIA appraisal on the following –

~~The PP shall furnish the DFO letter stating the project details.~~
Talamali RF.


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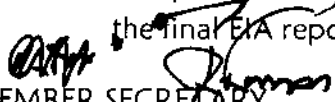
Agenda No: 319 - 08

(File No. 6163/2022)

Existing Lime stone Mine Lease over an extent of 1.59.0Ha at S.F.No.221/1(Part) of Alathur Village, Sankari Taluk, Salem District, Tamil Nadu by Thiru N.Bhuvaneshwaran, Proprietor of M/s. Sri Sivasakthi Minerals for Extension of validity of the Terms of Reference "Under Violation". (SIA/TN/MIN/269266/2022 dated: 23.04.2022)

The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Thiru N.Bhuvaneshwaran, Proprietor of M/s. Sri Sivasakthi Minerals has applied seeking Extension of validity for Terms of Reference under Violation for the Existing Lime stone Mine Lease over an extent of 1.59.0Ha at S.F.No.221/1(Part) of Alathur Village, Sankari Taluk, Salem 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, as amended.
3. The Proponent had applied for ToR to carry out the EIA study under violation vide dated 03.04.2018.
4. The ToR for carrying out the EIA study under violation was issued vide Lr.No. SEIAA-TN/F.No.6163 /TOR- 401/2018 Dated: 16.05.2018.
5. Further, Amendment to ToR Lr.No. SEIAA-TN/F.No.6163 /SEAC-CXVIII/TOR- 401(A)/2018 Dated: 30.07.2018 and the ToR Extension under violation was issued vide SEIAA. Lr. No.SEIAA-TN/F.No. 6163 /TOR- 401/A/ dated: 29.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
7. Now the proponent has applied online through Parivesh portal vide Proposal No. **SIA/TN/MIN/269266/2022 dated: 23.04.2022** for the extension of validity of ToR with all required documents.
8. The proponent had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.


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The SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid... "*

Hence, the SEAC after detailed discussions confirmed that the the ToR issued is valid up to 15.05.2023 as per the aforesaid MoEF Notification dated 18.01.2021.

Therefore, the project proponent is requested to submit EC application, PublicHearingminutes, EIA/EMP report along with required details.

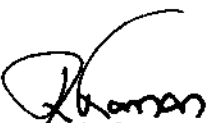
Agenda No: 319 - 09

(File No. 6597/2022)

Existing Black Granite Mine over an extent of 1.10.0 Ha at S.F. Nos. 245/1 at Malamanjanur Village, Thandrambattu Taluk, Tiruvannamalai District, Tamil Nadu by Tvl. Orient Mineral Stones for Extension of validity of the Terms of References "Under Violation". (No.SIA/TN/MIN/269712/2022 dated: 26.04.2022)

The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, Tvl. Orient Mineral Stones has applied seeking Extension of validity for Terms of Reference under Violation for the Existing Black Granite Mine over an extent of 1.10.0 Ha at S.F. Nos. 245/1 at Malamanjanur Village, Thandrambattu Taluk, Tiruvannamalai 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, as amended.
3. The Proponent had applied for ToR to carry out the EIA study under violation vide dated 05.04.2018.
4. The ToR for carrying out the EIA study under violation was issued vide Letter No. No.SEIAA-TN/F.No.6597/TOR- 461/2018 Dated: 04.06.2018.


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5. Further, Amendment to ToR Lr.No. SEIAA-TN/F.No.6597 /SEAC-CXVIII/TOR- 461(A)/2018 Dated: 30.07.2018 and the ToR Extension under violation was issued vide SEIAA. Lr. No.SEIAA-TN/F.No. 6597 /TOR- 461/A/ dated: 29.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
7. Now the proponent has applied online through Parivesh portal vide Proposal No. **No.SIA/TN/MIN/269712/2022 dated: 26.04.2022** for the extension of validity of ToR with all required documents.
8. The proponent had cited the reasons of the outbreak of the Corono virus (covid-19) and subsequent lockdowns which had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

The SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid..."*

Hence, the SEAC after detailed discussions confirmed that the ToR issued is valid up to 03.06.2023 as per the aforesaid MoEF&CC Notification dated 18.01.2021.

Therefore, the project proponent is requested to submit EC application, Public Hearing minutes, EIA/EMP report along with required details during the EIA appraisal on the following –

- i. The PP shall furnish the DFO letter stating the proximity distance of nearest RF , WLS & Tiger reserve etc.,

Agenda No: 319 - 10

(File No. 6114/2022)

Existing Limestone quarry over an Extent 0.94.0Ha located at S.F.No 616/1B(p), 1C, 618/1(p), 619 , Sirungudi Village, Natham Taluk, Dindigul District, Tamil Nadu by M/s. Sivam Mines for Extension of validity of the Terms of Reference "Under Violation". (SIA/TN/MIN/268110/2022 dated: 15.04.2022)

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The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available on the website (parivesh.nic.in). The SEAC noted the following:

1. The project proponent, M/s. Sivam Mines has applied seeking Extension of validity for Terms of Reference under Violation for the Existing Limestone quarry over an Extent 0.94.0Ha located at S.F.No 616/1B(p), 1C, 618/1(p), 619 , Sirungudi Village, Natham Taluk, Dindigul 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, as amended.
3. The Proponent had applied for ToR to carry out the EIA study under violation vide dated 03.04.2018.
4. The ToR for carrying out the EIA study under violation was issued vide Letter No.SEIAA-TN/F.No.6254/ToR-335/2018/ dated 11.05.2018.
5. Further, Amendment to ToR Letter No. SEIAA-TN/F-6254/SEAC-CXVIII/TOR- 335(A)/2018 dt 30.07.2018 and the ToR Extension under violation was issued vide SEIAA. Lr. No.SEIAA-TN/F.No. 6254/TOR-335/2018/A/ dated: 29.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
7. Now the PP has applied online through Parivesh portal vide Proposal No. **SIA/TN/MIN/268110/2022 dated: 15.04. 2022** for the extension of validity of ToR with all required documents.
8. The proponent had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

The SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated*

as valid... ”.

Hence, the SEAC after detailed discussions confirmed that the ToR issued is valid up to 10.05.2023 as per the aforesaid MoEF Notification dated 18.01.2021.

Therefore, the project proponent is requested to submit EC application, Public Hearing minutes, EIA/EMP report along with required details during the EIA appraisal on the following –

1. The PP shall furnish the DFO letter stating the proximity distance of nearest RF , WLS & Tiger reserve etc.,

Agenda No. 319-11

(File No. 1106/2013)

**Proposed Black granite quarry over an extent of 1.32.5 Ha in S.F.No. 533/2 of Karandapalli Village, denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - for Environmental Clearance Extension .
(SIA/TN/MIN/26115/2013 dated 16.05.2018)**

The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. The project proponent gave detailed presentation. 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. Tamil Nadu Minerals Limited has applied for Environmental Clearance Extension for the proposed Black granite quarry over an extent of 1.32.5 Ha in S.F.No. 533/2 of Karandapalli Village, denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. EC granted vide SEIAA-TN/F.NO.1106/EC/1(a)/350/2013, Dated 20.05.2013 for a period of 5 years and was valid up to 19.05.2018.
4. As per mining plan, the lease period is 30 years. The first scheme of mining given in the approved mining plan is for a period of five years & the production should not exceed 1033.815 m³ of Black granite. The annual peak production 210.75 m³ of Black granite (2nd year).


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5. Based on the presentation made by the proponent, SEAC noted that, the quarry operation was carried out until August 2015 and further mining operation was stopped from August 2015 onwards ensuing the MoEF& CC Notification dt.20.08.2014 for obtaining the NBWL clearance as Hosur taluk falls under Cauvery North Wild Life Sanctuary (10 Km radius).
6. Now the PP has requested for Extension of EC for the non-operative period of 3 years to extract the remaining quantity as the lease area does not fall under Cauvery North Wild Life Sanctuary Eco sensitive zone as per MoEF &CC Notification dated 01.01.2022.
7. The PP had submitted the copy of letter obtained from the Dy Director (Geology & Mines) for legalized excavation and permits obtained during the EC period.

The proposal was placed before the 319th Meeting of SEAC held on 12.10.2022 and the PP has informed the following.

- The lease is valid is valid from 28.2.2011 to 27.2.2041 as the letter from DD, Dept of geology and Mining, Krishnagiri, dated. 08.05.2018 clearly indicates that,

“.....In the Govt order 3(D) No.17 Ind (MME-I) Dept Dt. 14.2.2011, Tvl TAMIN Ltd., were granted a black granite quarrying lease in SF. No. 533/2 over an extent of 1.32.5 Ha in Karandapalli village, Denkanikottai Taluk, and the period of lease is from 28.2.2011 to 27.2.2041.....”

- Due to lack of marketing trend the PP have not operated the mine continuously after having obtained the EC in the year 2013. The quantity of 'recovered saleable ore' depends on many factors such as the geology of the site, physical & geomechanical properties of the rock, quarrying technology, market demand etc. Further, the 'Recovery' is difficult to be estimated always precisely due to poor density & thickness of the granite, poor porosity, Visual appearance where it is being observed with dings, dents, scratches or uneven surfaces and however the RoM can easily be quantified at the time of preparation of mining plan.

- However, the PP has obtained the 'Non-Operative Status of the Quarry' & 'Legalized Permit' only to transport the quantity of 4.337m³ on 12.8.2015 as the letter from DD, Dept of geology and Mining, Krishnagiri dated. 08.05.2018 clearly states that.

Sl.No	Details of Amount Remitted	Bulk permit No.	Despatch slip No.	Qty. For permit Issued (in CBM)	Date of Issued
1.	Rs. 20,000/- (10.8.2015)	18475	1,2,3	4.337	1.08.2015

- The Cauvery (North) wild life sanctuary is located at a distance of 9.90 km South and Eco-sensitive zone is 2.75km.
- Now, the lease area does not fall under Cauvery North Wild Life Sanctuary Eco sensitive zone as per the recent MoEF &CC Notification dated 01.01.2022.
- The PP has applied for seeking the extension of EC on 16.05.2018 when the validity of the existing EC is scheduled to expire on 19.05.2018 and it means that the PP had applied for seeking the extension of existing EC as a valid and subsisting environment clearance is held by him.
- Further, the PP has clarified that the extension of validity was applied only to the remaining quantity available for the EC already granted in 2013.
- The PP have also informed that the waste produced from the quarrying including the granite rejects will be stacked temporarily in the mineralized zone within the lease hold area at present by maintaining adequate stability and suitable plantation as indicated in the progressive mine closure plan. However, it will be utilized as per the final mine closure plan as approved by the competent authority one year before the final closure of the mine under the provisions of the Granite Conservation and Development Rules, 1999.

Based on the above application, the SEAC have considered the following conditions in related to this proposal:

1. Legal Provisions


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OBSERVATIONS IN CASE OF "M/S. S.N. MOHANTY & ANOTHER Vrs. UNION OF INDIA & OTHERS, IN W.P.(C) 2025/2012"

"....In our view, it does not mean that if a person has a valid and subsisting EC at the point of time he seeks a renewal of the mining lease, he would still be required to obtain another EC prior to the grant of renewal by the respondents. That, in our view, is not the intent and purport of the Supreme Court directions in M.C. Mehta (supra). The clear direction of the Supreme Court was that there ought not to be any mining activity without an EC. If the lease holder already has a valid and subsisting EC, there cannot be a requirement that during the validity and subsistence of the said EC, he would be asked to get another EC at the point he seeks renewal....."

MoEF CC S.O No. 674 (E), Dated. 13.03.2013"

"no fresh environmental clearance is required for a mining project or activity at the time of renewal of mining lease, which has already obtained environmental clearance under EIA Notification, 2006."

MoEF CC OM No. Z-11011/15/2012-IA.II (M) (Pt.), Dated. 02.06.2014:

"...that the requirement of environmental clearance shall not be applicable at the time of renewal of mining lease for all cases including pending cases if the environmental clearance has already been obtained under the notification of 2006".

MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 -Valid & subsisting EC

"The Ministry has received reference on the applicability of the provision of requirement of Environment Clearance (EC) at the time of renewal of lease, even if a valid and subsisting environment clearance is held by a PP, at the point of time the PP seeks renewal of the mining lease.

After due consideration and examination of relevant judicial pronouncements and the OM's issued in this regard, it is clarified that the PP which has a valid and subsisting EC for their mining project either under EIA Notification 1994 or EIA Notification 2006, will not be required to obtain fresh EC at the time of renewal of the lease. This is subject to the maximum period of validity of the EC being for mining lease for 30 years."

MoEF CC S.O No. 1141 (E), Dated. 29.04.2015"

" the validity may be extended by the regulatory authority concerned by a maximum period if an application is made to the regulatory authority by the applicant within the validity period, together with an updated Form I...."


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.....Provided further that the regulatory authority may also consult the Expert Appraisal Committee or State Level Expert Appraisal Committee, as the case may be, for grant of such extension."

2. The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the validity for 5 years as per the Scheme of Mining approved by the competent authority.
3. Further, it is informed that every mining plan duly approved shall be valid for the entire duration of the lease under the provisions of the Granite Conservation & Development Rules, 1999. Here, the PP, who has already been granted quarrying lease for Granite for a period of five years, had obtained the extension of lease for a further period of 30 years (Up to 27.2.2041) with **the approved scheme of mining** obtained under Rule 12 of GCDR, 1999 as the letter from DD, Dept of geology and Mining, Krishnagiri, dated. 08.05.2018 indicates clearly.
4. Under these circumstances, the PP had requested to extend the EC period up to another 19 years (30 years from the date of grant of original EC period) as the First Scheme of Mining has been approved by the competent authority and also there is no modification or increase in production quantity/extent.
5. Further, the EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'meagre quantity of saleable ore'.
6. SEAC also noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.

Besides, The PP had also submitted the application seeking the extension of EC validity to the regulatory authority when he has a 'valid and subsisting EC' (i.e.,) within the validity period of the present EC, which legitimately satisfies the OM/Notifications - MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015 issued by the MoEF & CC. Hence, the SEAC concludes that the PP is qualified to get the extension of the validity of EC as per the Notifications issued by the MoEF & CC from time to time.


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Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the remaining quantity 1,029.478 m³ of Black Granite. subject to the other conditions stipulated in the EC vide SEIAA-TN/F.NO.1106/EC/1(a)/350/2013. Dated 20.05.2013 remains unchanged and unaltered, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
3. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted.
4. As accepted by the Project Proponent Rs. 5 lakhs shall be remitted to DFO, Krishnagiri and the amount shall be spent for doing conservation activities in the Cauvery (North) wild life sanctuary before obtaining CTO from TNPCB.
5. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.


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Agenda No. 319-12

(File No. 4563/2015)

Proposed Black granite quarry over an extent of 1.12.0 Ha in S.F.No. 368/3(P) & 368/4B (P) of Karandapalli Village, denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. S.B.S. Granites - for Environmental Clearance Extension .

(SIA/TN/MIN/285922/2022 dated 28.07.2018)

The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

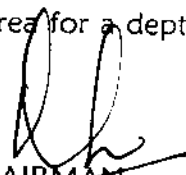
Basic Features of the Project:

1. The project proponent M/s. S.B.S. Granites has applied for Environmental Clearance Extension for the proposed Black granite quarry over an extent of 1.12.0 Ha in S.F.No. 368/3(P) & 368/4B (P) of Karandapalli Village, denkanikottai Taluk, Krishnagiri District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Lr. No. SEIAA-TN/F. No. 4563/EC/1(a)/2854/2015, dated 15.02.2016 for Environmental clearance.
4. As per mining plan, the lease period is 20 years. The mining plan is for the period of five years & the production should not exceed 14,984m³ RoM (Recovery @ 25% - 3,746m³ of Black granite and Granite waste @ 75% - 11,238m³ with an ultimate depth of mining 32m Below ground level. The annual peak production 3090m³ (RoM) of Black granite (3rd year).

Based on the presentation made by the proponent, SEAC noted the following significant points:

- The quarry lease was granted vide G.O.(3D) No.91, Industries (MMB 3) Department Dated 19.09.2005 for a period of twenty years from 09.11 2005 to 08.11.2025.
- The quarry lease executed on 09.11.2005 and the lease is valid till 08.11.2025.
- Environmental Clearance granted on 15.02.2016 vide Lr.No. SEIAA-TN/F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 for the production quantity of 3746 cu.m of Black Granite from the executed lease hold area for a depth of 27 m.


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- The quarry operation was carried out till May 2017 after obtaining the necessary 'Legalized Permit' from the office of the Dy. Director (Geology & Mining) to extract & transport the blocks of Black Granite for the quantity of 2665.339 m³ only from the quarry.
- The Cauvery (North) wild life sanctuary is located at a distance of 2.60 km west from the quarry lease
- However, due to the notified Cauvery North Wildlife Sanctuary, the quarrying operation was suspended from May 2017 to May 2020 for obtaining the NBWL clearance from the Competent Authority due to MOEF draft notification as the buffer zone for Cauvery Wild Life Sanctuary was falling within 10 kms from the quarry.
- In the meanwhile, the final notification of Cauvery Wild Life Sanctuary of MoEF had declared 1 km buffer zone for Cauvery Wild Life Sanctuary on 01.01.2020.
- As per the above final notification of MOEF for Cauvery Wild Life Sanctuary, the Revenue Divisional Officer, Hosur, had submitted his observations vide letter Roc. No.552/2020/(82) dated 24.03.2020. Similarly, the Wildlife Warden, Hosur had submitted his recommendations vide letter Rc. No 2702/2020/L dated, 19.03.2020 to the office of Dy. Director (Geology & Mining).
- Based on the above administrative and wild life clearances received from the competent authorities, the Dy. Director (Geology & Mining) had allowed the lesser to continue quarry from 18.05.2020.
- The PP had stated that he had obtained the certificate for 'Non-Operative Status of the Quarry' & 'Legalized Permit' only to transport the quantity of 2665.339 m³ vide the letter received from DD, Dept of geology and Mining, Krishnagiri dated. 09.03.2022 and it is clearly given as below:

Sl.No	Period /Year	EC quantity (in cbm)	Permit Quantity (in cbm)
1.	16.02.2016 to 16.06.2020	3746	2665.339

- As the quarry was non-operative from May 2017 to 18th May 2020 and the validity period of EC had expired on 14.02.2021, the quarry had been left with 1081 cbm of Black Granite remaining under the EC granted in 2016. Hence the PP had made a request for Extension of EC for the extraction of the remaining quantity.
- Further, the PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the quarrying operation on hold even though the permit was available to operate the quarry after May 2020.

Here, the SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid....."*.

Hence, the validity of the EC issued earlier in 2016 is deemed to be valid upto 13.02.2022.

- Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 12.03.2021 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under **MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.**
- The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 08.11.2025 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that *"...The mining plan once approved shall be valid for the entire duration of the lease:....."*

Further, it is informed that every mining plan duly approved shall be valid for

the entire duration of the lease under the provisions of the Granite Conservation & Development Rules, 1999.


- However, the Earlier EC was issued to the project vide Lr.No.SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,

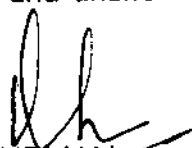
*".....subjected to specific condition that the **Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife** as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".*

On the other hand, while examining the records, it is revealed that the quarry operations had been commenced as per EC the validity from 15.02.2016 after obtaining the 'Permits' to mine out & transport the mineral (Black Granite) from DD, Dept of geology and Mining, Krishnagiri but without obtaining prior clearance from ***Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife (NBWL).***

Hence the SEAC observed the failure to obtain the prior clearance from NBWL before the commencement attracted the Section 15 of the Environment (Protection) Act, 1986. However, SEAC also noted that the quarrying operation commenced after having obtained the permits from the office of the Dy. Director (Geology & Mining) to operate the quarry till the month of May 2017 and the PP had also obtained the certificate on 'Non-Operative Status of the Quarry' vide the letter of DD, Dept of geology and Mining, Krishnagiri dated. 09.03.2022 for the non-operative period of quarry from May 2017 to 18th May 2020.

Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the remaining quantity SEAC decided to recommend for Extension of the validity of EC for the remaining quantity 1,081m³ of Black Granite for ultimate depth of 32 m subject to the other conditions stipulated in the EC vide Lr.No. SEIAA-T /F.No.4563/EC/1(a)/2854/2015 dated 15.02.2016 remains unchanged and unaltered, in addition to the following specific conditions:


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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. However, the PP shall pay the penalty amount of Rs. 2 lakhs towards the failure of the proponent to comply with the aforesaid specific condition as laid in the EC by depositing it into the account of 'Environment Management Agency of Tamil Nadu (EMAT)', Department of Environment and Climate Change, Govt of Tamil Nadu **before issue of the extension of validity of EC from the authority.**
3. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
4. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted.
5. As accepted by the Project Proponent, Rs. 10 lakhs shall be remitted to DFO, Krishnagiri and the amount shall be spent for doing mitigation activities in the Cauvery (North) wild life sanctuary before obtaining CTO from TNPCB.
6. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

Agenda No. 319-13

(File No. 5383/2016)

Proposed Black granite quarry over an extent of 2.44.0Ha in S.F.No. 144/1 and 144/2 of Odayandahalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru.R.K.Ramesh - for Environmental Clearance Extension.


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(SIA/TN/MIN/285921/2022 dated 28.07.2018)

The proposal was placed in this 319th Meeting of SEAC held on 12.10.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

Basic Features of the Project:

1. The project proponent Thiru.R.K.Ramesh has applied for Environmental Clearance Extension for the proposed Black granite quarry over an extent of 2.44.0Ha in S.F.No. 144/1 and 144/2 of Odayandahalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Lr. No. SEIAA-TN/F. No. 5383/EC/1(a)/3370/2016, dated 20.07.2016 for Environmental clearance.
4. As per mining plan, the lease period is 20 years. The mining plan is for the period of five years & the production should not exceed 60,275m³ RoM (Recovery @ 20% - 12,055m³ of Black granite and Granite waste @ 80% - 48,220m³ with an ultimate depth of mining 31m Below ground level. The annual peak production 4160m³ (RoM) of Black granite (3rd year).

Based on the presentation made by the proponent, SEAC noted the following significant points:

- The quarry lease was granted vide G.O. (3D) No: 27, Industries (MME-2) Department Dated: 02.06.2010 for a period of twenty years from 28.06.2010 to 27.06.2030.
- The quarry lease executed on 28.06.2010 and the lease is valid till 27.06.2030.
- Environmental Clearance granted on 20.07.2016 vide Lr.No. SEIAA-TN/F. No. 5383/EC/1(a)/3370/2016, dated 20.07.2016 for the production quantity of 3992 cu.m of Black Granite from the executed lease hold area for a depth of 31 m (including 11 m above ground level).
- The quarry operation was carried out till April 2017 after obtaining the necessary 'Legalized Permit' from the office of the Dy. Director (Geology & Mining) to extract & transport the blocks of Black Granite for the quantity of


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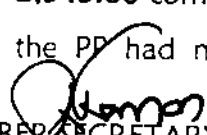

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1648.918 m³ only from the quarry.

- The Cauvery (North) wild life sanctuary is located at a distance of 2.50 km west from the quarry lease
- However, due to the notified Cauvery North Wildlife Sanctuary, the quarrying operation was suspended from May 2017 to May 2020 for obtaining the NBWL clearance from the Competent Authority due to MOEF draft notification as the buffer zone for Cauvery Wild Life Sanctuary was falling within 10 kms from the quarry.
- In the meanwhile, the final notification of Cauvery Wild Life Sanctuary of MoEF had declared 1 km buffer zone for Cauvery Wild Life Sanctuary on 01.01.2020.
- As per the above final notification of MOEF for Cauvery Wild Life Sanctuary, the Revenue Divisional Officer, Hosur, had submitted his observations vide letter Roc. No.552/2020/(82) dated 24.03.2020. Similarly, the Wildlife Warden, Hosur had submitted his recommendations vide letter Rc. No 2702/2020/L dated, 19.03.2020 to the office of Dy. Director (Geology & Mining).
- Based on the above administrative and wild life clearances received from the competent authorities, the Dy. Director (Geology & Mining) had allowed the lesser to continue quarry from 18.05.2020.
- The PP had stated that he had obtained the certificate for 'Non-Operative Status of the Quarry' & 'Legalized Permit' only to transport the quantity of 1648.918 m³ vide the letter received from DD, Dept of geology and Mining, Krishnagiri dated. 09.03.2022 and it is clearly given as below:

Sl.No	Period /Year	EC quantity (in cbm)	Permit Quantity (in cbm)
1.	08.09.2016 to 16.06.2020	3992	1648.918

- As the quarry was non-operative from May 2017 to 18th May 2020 and the validity period of EC had expired on 19.07.2021, the quarry had been left with **2,343.08** cbm of Black Granite remaining under the EC granted in 2016. Hence the PP had made a request for Extension of EC for the extraction of the


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remaining quantity.

- Further, the PP had cited the reasons of the outbreak of the Corona virus (covid-19) and subsequent lockdowns which had put the quarrying operation on hold even though the permit was available to operate the quarry after May 2020.

Here, the SEAC had observed the MoEF&CC Notification S.O. 1247(E), dated the 18 March, 2021, stating that *".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid....."*.

Hence, the validity of the EC issued earlier in 2016 is deemed to be valid upto 18.07.2022.

- Further, the PP had applied for grant of extension of validity of EC for the extraction of remaining quantity of black granite on 04.03.2022 & 28.07.2022 when the subsisting EC is held by the proponent which fulfills the eligibility to obtain the extension of EC validity under the MoEF Notifications issued under **MoEF CC OM No. J-11011/15/2012-IA.II (M), Dated. 20.03.2015 & MoEF CC S.O No. 1141 (E), Dated. 29.04.2015.**
- The SEAC have also observed that the PP have applied for the extension of validity of Environment Clearance (EC) when the lease period is alive and having the Approved Mining Plan valid till 27.06.2030 under the provisions of Rule 22 (6) of Mineral Concession Rules 1960 which states that *"...The mining plan once approved shall be valid for the entire duration of the lease:....."*

Further, it is informed that every mining plan duly approved shall be valid for the entire duration of the lease under the provisions of the Granite Conservation & Development Rules, 1999.

- However, the Earlier EC was issued to the project vide Lr.No.SEIAA-T /E No.4563/EC/1(a)/2854/2015 dated 15.02.2016 stipulates that,


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".....subjected to specific condition that the Environmental clearance is subject to obtaining prior clearance from Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife as applicable before issue of permit/Consent to establish by the Competent Authority/before starting any activity at site.....".

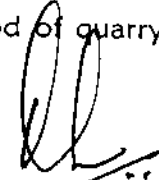
On the other hand, while examining the records, it is revealed that the quarry operations had been commenced as per EC the validity from 08.09.2016 after obtaining the 'Legalized Permits' to mine out & transport the mineral (Black Granite) from DD, Dept of geology and Mining, Krishnagiri but without obtaining prior clearance from *Forestry and wildlife angle including clearance from the standing committee of the National Board for Wildlife (NBWL)*, fulfilling the MOEF draft notification issued for Cauvery Wild Life Sanctuary.

Hence the SEAC observed the failure of obtaining the prior clearance from NBWL before the commencement attracts the Section 15 of the Environment (Protection) Act, 1986 - 'Penalty for contravention of the provisions of the Act and the rules, orders and directions' states that

"..... (1) Whoever fails to comply with or contravenes any of the provisions of this Act, or the rules made or orders or directions issued thereunder, shall, in respect of each such failure or contravention, be punishable with imprisonment for a term which may extend to five years or with fine which may extend to one lakh rupees, or with both, and in case the failure or contravention continues, with additional fine which may extend to five thousand rupees for every day during which such failure or contravention continues after the conviction for the first such failure or contravention...."


However, the PP had accepted that the quarrying operation commenced after having obtained the permits from the office of the Dy. Director (Geology & Mining) to operate the quarry till the month of May 2017 and obtained the certificate on 'Non-Operative Status of the Quarry' vide the letter of DD, Dept of geology and Mining, Krishnagiri dated. 09.03.2022 for the non-operative period of quarry from May 2017 to 18th May 2020.


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Based on the presentation made by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the remaining quantity SEAC decided to recommend for Extension of the validity of EC for the remaining quantity 2,343.08 m³ of Black Granite for ultimate depth of 31 m (including 11 m above ground level) subject to the other conditions stipulated in the EC vide Lr.No. SEIAA-T /F.No. 5383/EC/1(a)/3370/2016, dated 20.07.2016 remains unchanged and unaltered, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
2. However, PP shall pay the penalty amount of Rs. 2 lakhs towards the failure of the proponent to comply with the aforesaid specific condition as laid in the EC by depositing it into the account of 'Environment Management Agency of Tamil Nadu (EMAT)', Department of Environment and Climate Change, Govt of Tamil Nadu **before issue of the extension of validity of EC from the authority.**
3. The proponent shall ensure that the transportation of the quarried granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
4. The Project Proponent shall take all possible precautions for the protection of environment and control of pollution while carrying out the mining or processing of granite in the area for which such licence or lease is granted.
5. As accepted by the Project Proponent, Rs. 10 lakhs shall be remitted to DFO, Krishnagiri and the amount shall be spent for doing mitigation activities in the Cauvery (North) wild life sanctuary before obtaining CTO from TNPCB.


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6.The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (IRO) located in Chennai.

Agenda No: 319-14

(File No: 5338/2018)

Proposed Multicolour Granite Quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 84/1A(P) of Mallangudi Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru. S. Rajaa - For Terms of Reference under violation.

(SIA/TN/MIN/23088/2018 Dt. 04.04.2018)

The proposal was placed in 319th SEAC meeting held on 12.10.2022. 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, Thiru. S. Rajaa has applied for Terms of Reference under violation for the Proposed Multicolour Granite Quarry lease over an extent of 2.00.0 Ha at S.F.Nos. 84/1A(P) of Mallangudi Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier the proposal was placed in 78th SEAC Meeting. The proposal was recommended for grant of Environmental Clearance.

Subsequently, a letter was addressed to the proponent vide Lr. No. SEIAA-TN/F.5338/2016/NGT dated: 15.05.2017 informing the proponent that the said proposal comes under violation.

Further, a letter addressed to proponent vide Lr. No. SEIAA-TN/F.5338/2016/NGT dated: 28.10.2020 was communicated stating that the proposal which are pending as on 31.03.2016 for EC have to be treated as normal applications and not violation applications.


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Hence, based on the above Hon'ble NGT(SZ) order dated: 30.06.2020 in OA No. 136 of 2017, committee decided that since the proposal (online number SIA/TN/MIN/50768/2016 dated: 29.02.2016) had been applied before the cut-off date specified by the Hon'ble NGT(SZ), the earlier proposal applied for EC under B2 category may be considered for grant of Environmental Clearance and the proposal subsequently filed for grant of ToR under Violation (Online Proposal No. SIA/TN/MIN/23088/2018 Dated: 04.04.2018) shall be withdrawn by the proponent to further process the earlier applied proposal under B2 category for grant of Environmental Clearance.

Further, SEAC noted and decided to call for additional details in order to process the proposal under B2 category online number SIA/TN/MIN/50768/2016 dated: 29.02.2016.

1. Copy of the scheme of mining/review of mining scheme approved by the competent authority for the period to which the EC is sought.
2. Document evidence (or) the letter obtained from the competent authority for ensuring the subsistence of the quarry lease as on date.
3. DFO letter ascertaining the existence of any Reserved Forests, Sanctuary, etc within proximity of 25 km from the quarry.

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

Agenda No: 319-15

(File No: 6975/2021)

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

The proposal was earlier placed in 234th meeting of SEAC held on 22.9.2021 and subsequently in the 260th meeting of SEAC held on 01.04.2022. 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, Thiru.C.Sugu has applied for Environmental Clearance for the Rough Stone, jelly and gravel quarry lease area over an extent of 3.92.70 Ha at S.F.No 192(p) Kasthuriengapuram Part-II Village, Thisayanvilai Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. As per the mining plan, the lease period is for 5 years. The production for first 5 years not to exceed 9,63,820 m³ of Rough stone and 1,31,704 m³ of Weathered Rock and 34,776 m³ of gravel. The Annual peak production as per mining plan is 1,94,270 m³ of Rough stone (5th year), 1,31,704 m³ of Weathered Rock (1st year) and 34,776 m³ of gravel (1st year) with proposed depth of 65m(BGL).
4. ToR was issued by SEIAA-TN vide Lt. No. SEIAA-TN/F.No .6975/ SEAC/ToR-678/2019 dated 11.12.2019.
5. Public hearing conducted on 15.12.2020. The Minutes of the public hearing received from TNPCB vide dated: 05.01.2021

Earlier, this proposal was placed in the 234th meeting of SEAC held on 22.9.2021. (Please Ref. minutes of 234th meeting of SEAC vide item no. 234-16). Based on the subcommittee report and documents furnished by the project proponent, SEAC has decided to call the proponent for appraisal in any one of the forthcoming meetings of SEAC in regard to assessment of Ecological damage, Remediation plan and natural & community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the MoEF&CC Notifications dated 14.03.2017 and 08.03.2018. PP furnished the details as sought by the SEAC on 16.3.2022, including the details on the Ecological damage, Remediation plan and natural & community resource augmentation plan prepared based on the Guideline for the fixation of bank guarantee for Ecological damages, Nature resource augmentation plan and Community resource augmentation plan for the mining proposals filed under the violation notification dated: 08.03.2018.


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The SEAC recommended for grant of Environmental Clearance under violation subject to the certain conditions stated therein. Subsequently the subject was placed before the 504th Authority meeting held on 05.05.2022. The Authority noted that the following:

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

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

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

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


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

SEAC observed the following:

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

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

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

On receipt of the above information, the Committee would further deliberate on this project and decide the further course of action. Proponent furnished his reply vide letter dated 26.09.2022. Hence the subject was placed in the 319th meeting of SEAC held on 12.10.2022. The Committee noted that the proponent has not turned up for the meeting and the EIA Coordinator requested for time. **Hence, the Committee decided to defer the proposal.**

Agenda No: 319-16

(File No: 8853/2021)

Proposed Earth Quarry lease over an extent of 1.16.50 Ha at S.F.No. 112/9, 112/11 & 112/12 in Villiyanallur Village, Bhuvanagiri Taluk, Cuddalore District, Tamilnadu by Thiru.R.Mohan - For Environmental Clearance.(SIA/TN/MIN/233796/2021 dated 11.10.2021)

The proposal was placed in 319th meeting of SEAC held on 12.10.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, **Thiru.R.Mohan** has applied for Environmental Clearance for the proposed earth quarry lease over an extent of 1.16.50 Ha at


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S.F.Nos. 112/9, 112/11 & 112/12 in Villiyanallur Village, Bhuvanagiri Taluk, Cuddalore District, Tamilnadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The salient features of the project are as follows:

Sl. No	Details of the Proposal	
1	Name of the Owner/Firm	Thiru.R.Mohan, S/o.Ramachandran, No.11, Kothar Street, Parangipettai Post Bhuvanagiri Taluk Cuddalore District-608502
2	Type of quarrying (Savudu/Rough Stone/Sand/Granite/Earth)	Earth Quarry
3	S.F No. Of the quarry site with area break-up	112/9, 112/11 & 112/12
4	Village in which situated	Villiyanallur
5	Taluk in which situated	Bhuvanagiri
6	District in which situated	Cuddalore
7	Extent of quarry (in ha.)	1.16.50 Ha (<i>Patta Land</i>)
8	Period of quarrying proposed	2 years
9	Type of mining	Opencast method of shallow Mining
10	Production (Quantity in m ³)	12,896m ³ of Earth
11	Latitude & Longitude of all corners of the quarry site	11°13'34.54"N to 11°31'37.76"N 79°42'55.09"E to 79°43'01.64"E
12	Topo Sheet No.	58 M/10
13	Man Power requirement per day:	10 Employees
14	Precise area communication approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.231/Mines/2019, dated: 26.08.2021
15	Mining Plan approved by the Assistant Director, Department of Geology and Mining with date	Rc.No.231/Mines/2019, dated: 22.09.2021
16	500m cluster letter issued by Assistant Director, Department of Geology and Mining with date	Rc.No.231/Mines/2019, dated: 22.09.2021
17	Water requirement: 1. Drinking & domestic purposes 2. Dust suppression 3. Green Belt	2.2 KLD 0.5 KLD 1.0 KLD 0.7 KLD
18	Power requirement:	2150 Liters of HSD for the entire project life

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19	Depth of quarrying	2m
20	Depth of water table	15-10 m
21	Project Cost (excluding EMP cost)	12.29 Lakhs
22	EMP cost	Capital cost – Rs.5,05,000 Recurring cost/annum – Rs.6,47,000
23	VAO certificate regarding 300m radius	27.09.2021

4. As per the mining plan, the lease period is for 2 years, the total quantity of recoverable should not exceed 12,896m³ of earth with an ultimate depth of 2m Below Ground Level.
5. The project proponent has submitted a soil test report obtained from Department of Technical Education, Govt. College of Engineering, Dharmapuri vide letter no.:GCE/CIVIL/DPI/Testing/2022/T-163-1 dt:19.04.2022.
6. Assistant Director (i/c), Dept. of Geology and Mining, Cuddalore District vide Rc.No.231/Mines/2019 dated.20.07.2022 informed that
 “.....the applied area/proposed quarry site is not lie adjoining to any river, canals, streams etc., and also not comes under any notified/declared protected zones.”.

Based on the presentation and document furnished by the project proponent, after detailed deliberations, **SEAC decided to recommend the proposal for the grant of Environmental Clearance for 12,896 Cu.m** of earth with an ultimate depth of mining 2m Below Ground Level, subject to the standard conditions & normal conditions stipulated by MOEF&CC, in addition to the following specific conditions:

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by the competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier.
2. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961 respectively.
3. As accepted by the Project Proponent the CER cost is **Rs. 2 lakhs** and the amount shall be spent for the committed activities towards Panchayat Union


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Primary School, Athiyanallur, Cuddalore district, as committed before obtaining CTO from TNPCB.

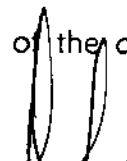
4. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. 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.
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 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.
9. 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.
10. 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. 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.


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11. Taller/one year old saplings raised in appropriate size of bags (preferably eco-friendly bags) should be planted in proper spacing as per the advice of local forest authorities/botanist/horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
13. The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry as assured in the Environmental Management Plan & the approved Mine Closure Plan.
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.
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 granite stones shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried



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- earth; and transport of earth 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. 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.
 20. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
 21. 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.
 22. 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.
 23. All the conditions imposed by the Assistant/Deputy Director, 'Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
 24. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
 25. 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.


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


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


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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 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

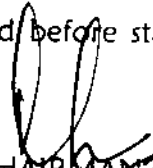
daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision 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.
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 MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
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 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


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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 Precise 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>Aegle marmelos</i>	Vilvam	வில்வம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி. ஆனைக்குன்றம்ணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Usil	உசில்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathu	ஆத்த
7	<i>Bauhinia tomentosa</i>	Iruvathu	திருவாத்
8	<i>Buchanania xillaris</i>	Kattuma	கட்டும்மா
9	<i>Borassus flabellifer</i>	Panai	பனை
10	<i>Butea monosperma</i>	Murukkamarani	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Servilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Punnai	புன்னை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia torbuculii</i>	Sengondrai	செங்கொன்றை
15	<i>Chloroxylon swietenia</i>	Purasamaram	பரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Marijallavu	கோங்கு. மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvuli	நருவூர்
18	<i>Creteva adansoni</i>	Mavalungum	மாவிளங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உசா
20	<i>Dillenia pentagyna</i>	SiruUva, Sibrucha	சீறு உசா
21	<i>Diospyros seipium</i>	Karungali	கருங்கால்
22	<i>Diospyros schloroxylon</i>	Vaganai	வாகனை
23	<i>Ficus amplissima</i>	Kalltchi	கல் தீச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovarasu	ஆறுறுப்புவரசு
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aavili	ஆயா மரம். ஆயில்
27	<i>Lanuca coromandelica</i>	Odhiam	ஓத்யம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	வில்லா மரம்
31	<i>Litsea glutinosa</i>	Pisumpattai	பிசும்பா பிச்சுப்பட்டை
32	<i>Madhuca longifolia</i>	Illuppai	இலுப்பை
33	<i>Mankara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadambu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestris</i>	Eachai	எச்சமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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40	<i>Premna mollissima</i>	Munnai	முனை
41	<i>Premna serratifolia</i>	Narumunnai	நறு முனை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வேண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Puthranjira roxburghii</i>	Karipala	கற்பாலா
48	<i>Salvadora persica</i>	Ugaa Maram	ஊகா மரம்
49	<i>Sapindus emarginatus</i>	Marupungan, Soapukai	மணிப்பங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசிசாகா
51	<i>Strobilus asper</i>	Pirav maram	பிராவ மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia bellerica</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Theopesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsbya reticulata</i>	valsura	வால்சுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பாலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காப்பூளி

Appendix –II

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

சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAC, ----- தேதியிடப்பட்டு சுற்றுச்சூழல் அனுமதி ----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பகனம் பகுதி வளர்ச்சி மேம்பாட்டுக்கான சுரங்கத் திட்டம்	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்.
நடப்பட்டு பராமரிக்கப்படவேண்டிய மரங்கள் எண்ணிக்கை	சுரங்கப்பாதையில் ஆழம் தளமாட்டத்தில் இருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும். காற்றில் மாக ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும். வாகனங்கள் செல்லும் பாதையில் மாக ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும். இளைச்சல் அளவையும் தூசி மாகபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பகனம் பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுறகள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உள்ளிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இளைச்சல் அளவு 85 டெசிபெல்ஸ் (85A) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு ககாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கொடும் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து தனது பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் தீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
தீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் நிலத்தடி நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம் பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பகனம்பகுதியை உருவாக்க வேண்டும்.	
(முழுமையான நிபந்தனைகளை அறிய பாரிவேஷம் (http://parivesh.nic.in) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த பகர்களுக்கு சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டா ஆலோசனை: 044 - 28222325 அல்லது தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	


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