

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the Meeting of 253rd State Expert Appraisal Committee (SEAC) held on 11th March 2022 (Friday) at SEIAA Conference hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for Appraisal of Building and Construction Projects, Townships and Area Development projects & Mining projects through online and offline mode

Agenda No: 253-1

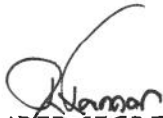
(File No: 8793/2021)

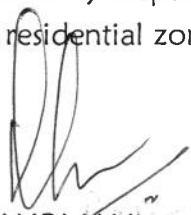
Proposed construction of Affordable Rental Housing Complex under at S.F.No. 178/1, 169/3, 169/5, 178/30, 178/31, 178/32, 178/33, 178/34, 178/6, Manali village, Ambattur Taluk, Tiruvallur District, Tamil Nadu by M/s Chennai Petroleum Corporation Limited- For Environmental Clearance (SIA/TN/MIS/226460/2021 Dt.27.8.2021)

The proposal was placed in the 253rd SEAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

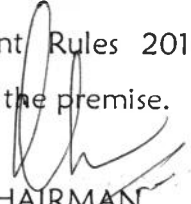
1. The Project Proponent, M/s Chennai Petroleum Corporation Limited has applied for Environmental Clearance for the Proposed construction of Affordable Rental Housing Complex under at S.F.No. 178/1, 169/3, 169/5, 178/30, 178/31, 178/32, 178/33, 178/34, 178/6, Manali village, Ambattur Taluk, Tiruvallur District, Tamil Nadu, under the Government of India's ARHC scheme.
2. The project/activity is covered under Category "B " of Item 8(a) " Building and Construction projects " of the Schedule to the EIA Notification, 2006.
3. The total land area for the proposed development is 13432.00 Sqm and the total built up area planned is 23,945 Sqm out of which, currently it is planned to develop 22,996 Sqm. The proposed residential building complex comprises of both Residential Block and a Commercial Block (inside the premises).
4. Residential Block - 3- Blocks – G+9 Floors in each block Units – 340 No of Occupants – 1640 & Visitors 10% - 164.
5. Commercial Block- 1-Block – Stilt +4 Floors (out of which construction of 2 floors will be taken up later).
6. The Proponent has furnished G.O (Ms).No. 356 Industries (MID-1) Department Dt. 24.12.2021 for land allotment and conversion of primary residential zone.


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11. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for Toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
12. The sludge generated from the Sewage Treatment Plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
13. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
14. 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.
15. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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
16. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
17. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.


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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 include all mitigation measures in the EMP and adhere the same as committed
27. As accepted by the Project Proponent the CER cost is Rs. 2.94 Crores and the amount shall be spent for (1) 5000 Nos of Tree planting (see appendix) in the nearby Villages of the project site (2) In each block, one 1BHK house shall be allotted for crèche as a in house activity (3) adopt two Government schools in the vicinity and (i) improve/reconstruct girls and boys toilets with running water, (ii) provide free supply of sanitary napkins for six months to adult girl students through the Headmaster, (iii) install incinerator in the Girls toilet for safe disposal of sanitary napkins and (iv) undertake tree plantation (see appendix) in these schools, in consultation with concerned Government School Headmaster before obtaining CTO from TNPCB.

Agenda No: 253-2

(File No: 6031 /2021)

Proposed Multi Colour Granite over an extent of 1.20.0 Ha in S.F.No 353/2B, Adaichani Village, Ambasamudram Taluk, Tirunelveli, Tamil Nadu by Tvl. Chanthraa Ganites- Environmental Clearance.

(SIA/TN/MIN/200810/2021 Dt. 2.3.2021)

The proposal was placed in the 253rd EAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl. Chanthraa Ganites has applied for Environmental Clearance for the proposed Multi Colour Granite over an extent of 1.20.0 Ha in SF.No.353/2B, Adaichani Village, Ambasamudram Taluk, Tirunelveli, Tamil Nadu.
2. The project/activity is covered under Category "B(1)" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per 1st Scheme of mining (for the period 2015-16 to 2019-20) the production for 5 years – ROM- 74181m³, Recovery- 14836 m³ with ultimate depth 22m.


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Sl.No	Name & Address	Village & Taluk	SFNo	Extent (in hectrs)	Mineral	Lease period	G.O No and Date
1.	Tamil Nadu Minerals Limited	Adaichani(V) & Ambasamudram (Tk)	353/1(pt)-Porambok e	66.07.0	Multicolour Granite	27.06.2006 to 26.06.2036	Go.(3D) No.1, dated: 28.02.2006
2.	Chanthraa Granites	Adaichani(V) & Ambasamudram (Tk)	353/2B	1.20.0	Multicolour Granite	08.04.2010 to 07.04.2030	Go.(3D) No.5, dated: 15.02.2010

iii) Details of proposed quarry-Nil

The details of the last transport permit issued to M/s. Chanthraa Granites was also enclosed by proponent. The proponent vide his letter dated 03.03.2021 has submitted his online Proposal No: SIA/TN/MIN/200810/2021 requesting EC. Hence, the proponent was asked to submit the last permit details of the adjacent Government quarry over an extent of 66.07.0 Multicolour Granite having it lease period upto 26.06.2036. Subsequently the proponent has submitted his reply vide his letter dated 02.08.2021 by submitting the AD letter with last permit issued to M/s. Tamil Nadu Minerals Limited and requested EC Clearance by submitting EIA report without public hearing.

The proposal was placed in the 454th Authority meeting held on 16.08.2021. The Authority discussed in detail and noted that the application has not been appraised by SEAC. Hence the Authority decided to request Member Secretary to send the application to SEAC for appraisal.

Under the above circumstance, this proposal has again been placed before 253rd SEAC meeting held on 11.3.2021. Based on the presentation made by the proponent and the documents furnished, SEAC noted that Kalakkad Mundanthurai Tiger reserve is located within 10 Km from the project site and its final notification of Eco sensitive zone yet to be notified. The proponent therefore should submit NBWL clearance, after which the proposal will be taken up for appraisal.


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2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.

3. It is a Govt Promboke land & issued with ToR vide Lr.No. SEIAA-TN/F.No.7638/SEAC/ToR-785/2020 Dated: 06.10.2020.

4. The production for 5 years not exceed 5,81,491m³ of Rough stone & 18088 m³ of top soil with ultimate pit dimension 72m. (32m AGL + 40m BGL).

Based on the presentation and document furnished by the project proponent, SEAC noted that it is a Govt poromboke land quarry and ToR already been issued, hence decided to recommend the proposal for the grant of Environmental Clearance subject to decision taken by the SEIAA as per earlier request made, for the production for 5 years not exceed 5,81,491m³ of Rough stone & 18088 m³ of top soil with ultimate pit dimension 72m. (32m AGL + 40m BGL), subject to the following specific conditions in addition to normal conditions stipulated by MOEF&CC:

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

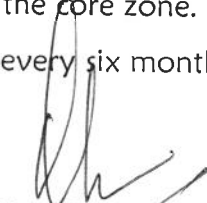

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small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

12. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices as given in the appendix. 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. The casualty of tree plants shall be replaced during successive year plantations.
14. **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.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.


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23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A.No.186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.


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less than 500 meters from the periphery of other lease in a homogeneous mineral area which shall be applicable to the mine leases or quarry licenses granted on and after 9th September 2013". With reference to the above condition, two existing quarries Mention in the AD mines letter S.No. 1. Tvl. Madhucon Granite (Lease Granted on 05.12.2008) and S.No.2. Thiru. K.S.Raja (Lease granted on 14.06.2010) leases were granted before 9th September 2013 and the above said quarries shall be not considered for cluster situation. Hence, requested for the grant of Environmental Clearance.

Based on the presentation and documents furnished by the project proponent, SEAC consider the proponent's request and decided to recommend the proposal for the grant of Environmental Clearance for production for 5 years not exceed ROM- 38670m³ & Recovery - 15468m³ of granite with proposed pit dimension 18m BGL, subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

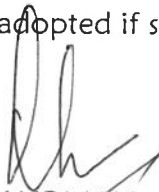
1. The proponent shall mandatorily appoint the statutory Mines Manager and the Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
2. The proponent shall erect fencing all around the boundary 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 Granite, waste, over burden, side burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope


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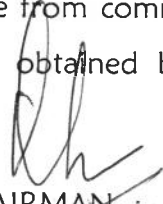
9. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted **as given in the appendix** in consultation with the DFO, State Agriculture University Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
10. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices **as given in the appendix**. 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.
11. The casualty of tree plants shall be replaced during successive year plantations.
12. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using the detonating cord/fuse of low grammage PETN (or) Gun powder (or) safety fuse for the extraction of the granite blocks in the quarry. However, the proponent shall use NONEL based shock tube initiation system only while carrying out the controlled blasting operations for the excavation of overburden and side burden even though no habitations (or) forest exists around the proposed site. The proponent shall not carry out any blasting operation involving the initiation system such as detonating cord safety fuse, ordinary detonators, cord relays, in the blasting operation carried out for the excavation of overburden and side burden. 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 granite boulders shall be carried out in any occasions and only other suitable non-explosive techniques involving chemical agents shall be adopted if such


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- 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.
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 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.
 20. 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.
 21. The project proponent shall ensure that the provisions of the MMDR Act, 1957, the Granite Conservation and Development Rules 1999, 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.
 22. 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.
 23. 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.
 24. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before


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30.As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls toilet with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster, (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins and (4) tree plantation (see Appendix) in school in consultation with concerned Government Hr. Sec school HM, Pitchampatti , Karur District before obtaining CTO from TNPCB.

Agenda No: 253-6

(File No: 8052/2021)


Proposed Multi-Colour Granite Quarry over an extent of 3.55.5 Ha in SF.No. 278/1, 278/2, 278/3, 278/4 & 278/5, Chinnakollapatti Village, Sattur Taluk, Virudhunagar District by Dr.C.Kalaichelvi- For Environmental Clearance. (SIA/TN/MIN/183759/2020 Dt. 16.2.2021)

The proposal was placed in the 253rd EAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Dr.C.Kalaichelvi has applied for Environmental Clearance for the Proposed Multi-Colour Granite Quarry over an extent of 3.55.5 Ha in SF.No. 278/1, 278/2, 278/3, 278/4 & 278/5, Chinnakollapatti Village, Sattur Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceed ROM- 43,905 m³ and Recovery 13172m³ of granite with proposed pit dimension 26m BGL.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for production for 5 years not exceed ROM- 43,905 m³ and Recovery 13172m³ of granite with proposed pit dimension 26m BGL, subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

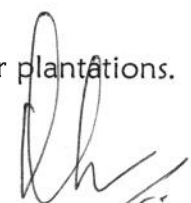

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by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps. Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.


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 Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
11. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices as given in the appendix. 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. The casualty of tree plants shall be replaced during successive year plantations.


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15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
16. 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.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. 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.
19. 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.
20. 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.
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 MMDR Act, 1957, the Granite Conservation and Development Rules 1999, 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


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Directorate General Mines Safety (DGMS) and Indian Bureau of Mines (IBM) from time to time.

29. 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.

30. 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 the EMP as committed.

31. As accepted by the Project Proponent the revised CER cost is Rs. 7 lakhs and the amount shall be spent for activities of (1) construction/renovation of Girls toilet with 24/7 water facility, (2) providing free supply of sanitary napkins for three months to adult girl students through the Headmaster, (3) installation of incinerator in the Girls toilet for safe disposal of sanitary napkins (4) Painting of entire school campus and (5) tree plantation (see Appendix) in school in consultation with concerned Government/Municipal middle school HM, Sathur, Viruthunagar District before obtaining CTO from TNPCB.

Agenda No: 253-7

(File No: 8091/2021)

Proposed Multi-Colour Granite Quarry over an extent of 4.34.0 Ha in SF.No. 456 (Nadanthai) & 25/1 (Irrukkur), Nadanthai & Irrukkur Village, Paramathivelur Taluk, Namakkal District by Thiru.P.Velmani- For Terms of Reference. (SIA/TN/MIN/66075/2021 Dt. 27.7.2021)

The proposal was placed in the 253rd EAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.P.Velmani has applied for Terms of Reference for the Proposed Multi-Colour Granite Quarry over an extent of 4.34.0 Ha in SF.No. 456 (Nadanthai) & 25/1 (Irrukkur), Nadanthai & Irrukkur Village, Paramathivelur Taluk, Namakkal District Tamil Nadu.


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5. 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).
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.


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18. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
19. 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.
20. 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.
21. 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 Reference besides attracting penal provisions in the Environment (Protection) Act, 1986.

Agenda No: 253-8

(File No: 8186/2021)

Proposed Rough Stone & Gravel Quarry over an extent of 2.37.0 Ha in SF.No.188 (P) & 190 (P), Orattukuppai Village, Madukkarai Taluk, Coimbatore District by M/s.Ultra Sahara Sand- For Environmental Clearance . (SIA/TN/MIN/189987/2020 Dt. 28.7.2021)

The proposal was placed in the 253rd EAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s.Ultra Sahara Sand has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry over an extent of 2.37.0 Ha in SF.No.188 (P) & 190 (P), Orattukuppai Village, Madukkarai Taluk, Coimbatore District Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceeds 194880 m³ of rough stone and 23520 m³ of Gravel with proposed depth – 37m.


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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.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.


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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.

16. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
17. 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.
18. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
19. 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.
20. 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.
21. 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.
22. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their


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(M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016(M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).

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

31. As accepted by the Project Proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for tree planting, Construction of School compound wall and Terracotta painting with Environmental Awareness slogans at Panchayth Union Primary School- Orattukuppai.

Agenda No: 253-9

(File No: 8189/2021)

Proposed Rough Stone & Gravel Quarry over an extent of 2.50.0 Ha in SF.No. 191 (P) & 198 (P), Orattukuppai Village, Madukkarai Taluk, Coimbatore District by M/s.Ultra Sahara Sand- For Environmental Clearance . (SIA/TN/MIN/189800/2020 Dt.28.7.2021)

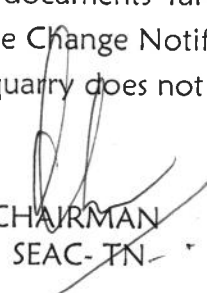
The proposal was placed in the 253rd EAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s.Ultra Sahara Sand has applied for Environmental Clearance for the Proposed Rough Stone & Gravel Quarry over an extent of 2.50.0 Ha in SF.No. 191 (P) & 198 (P), Orattukuppai Village, Madukkarai Taluk, Coimbatore District Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceeds 359870 m³ of rough stone and 37208 m³ of Gravel with proposed depth – 47m.

Based on the presentation made by the proponent and the documents furnished, SEAC noted that as per Ministry of Environment, Forest and Climate Change Notification – S.O. 2269 (E) Dated: 1st July, 2016, the above subject proposed quarry does not fall


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modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

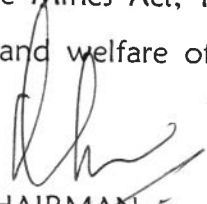
6. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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


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16. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
17. 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.
18. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.


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

31. As accepted by the Project Proponent the revised CER cost is Rs. 7.5 lakhs and the amount shall be spent for activities of (1) construction of new Girls & boys toilet with 24/7 water facility and (2) tree plantation (see Appendix) in school in consultation with concerned at Panchayth Union Primary School- Orattukuppai before obtaining CTO from TNPCB

Agenda No: 253-10

(File No: 8241/2021)

Proposed Rough Stone Quarry over an extent of 2.43.0 Ha in SF.No. 1007/1 & 1008/1A4, Virachilai I Pit Village, Thirumayam Taluk, Pudukottai District by Thiru.K.Muthaiah - For Environmental Clearance . (SIA/TN/MIN/193581/2021 Dt. 17.12.2021)

The proposal was placed in the 253rd EAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

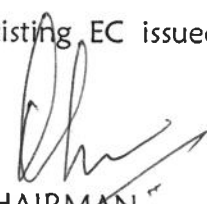
The SEAC noted the following:

1. The Project Proponent, Thiru.K.Muthaiah has applied for Environmental Clearance for the Proposed Rough Stone over an extent of 2.43.0 Ha in SF.No. 1007/1 & 1008/1A4, Virachilai I Pit Village, Thirumayam Taluk, Pudukottai District Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceeds 279584 m³ of rough stone and 5710 m³ of Top soil with proposed depth – 42m.

Based on the presentation made by the proponent and the documents furnished, decided to recommend the proposal for the grant of Environmental Clearance for production for 5 years not exceeds 279584 m³ of rough stone and 5710 m³ of Top soil with proposed depth – 42m, subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall furnish certified compliance report on existing EC issued to TNPCB before obtaining CTO and copy furnished to SEIAA-TN


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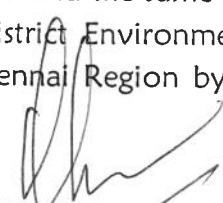
8. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
9. The Project Proponent shall 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.
10. 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.
11. 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.
12. 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 Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices as given in the appendix. 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.
14. The casualty of tree plants shall be replaced during successive year plantations.


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19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.


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Agenda No: 253-11

(File No: 8380/2021)

Proposed Rough Stone & gravel Quarry over an extent of 2.44.0 Ha in SF.No. 47/1,47/2 Echampattu Village, Ambur Taluk, Tirupathur District by Thiru.N.Kumar- For Environmental Clearance . (SIA/TN/MIN/199397/2021 Dt. 3.9.2021)

The proposal was placed in the 253rd EAC Meeting held on 11.3.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru.N.Kumar has applied for Environmental Clearance for the proposed Rough Stone & gravel Quarry over an extent of 2.44.0 Ha in SF.No. 47/1,47/2 Echampattu Village, Ambur Taluk, Tirupathur District Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The production for 5 years not exceeds 108960 m³ of rough stone, 23664m³ of gravel and 11400 m³ weatherd rock with proposed depth – 18m.

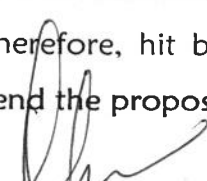
Based on the presentation and documents furnished by the project proponent, SEAC noted that in G.O(MS) No. 295 dated 03.11.2021 the Government in Industries Department has notified the following Rules specifying certain conditions for permitting mining activities near ecologically sensitive areas.

" ... No quarrying or mining or crushing activities shall be carried out within one kilometer radial distance or the protective distance as notified by the Ministry of Environment, Forest and Climate Change, Government of India from time to time, whichever is more, from the boundaries of ecologically sensitive areas, environmentally and ecologically sensitive protected areas such as the National parks, Wild life Sanctuaries, Tiger Reserves, Elephant corridors and Reserve Forests".

The Committee noted that the Karappattu Reserve Forest is located within a distance of 1 km from this project site and the proposal is, therefore, hit by the above G.O. The Committee, therefore, decided not to recommend the proposal.


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Reference for the Proposed Rough Stone & gravel Quarry over an extent of 2.00.0 Ha in SF.No. 442(Part), Keeranur Village, Kangeyam Taluk, Tiruppur District Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. The proponent has furnished a mining plan for the period of 10 years and the production for 5 years not exceeds 144275 m³ of rough stone and 30888 m³ of gravel granite with proposed depth – 17m.

Based on the presentation made by the proponent and the documents furnished, SEAC decided to recommend the proposal for the **grant of Terms of Reference (TOR) with Public Hearing** for the production for 5 years not exceeds 144275 m³ of rough stone and 30888 m³ of gravel with proposed depth – 17m below ground level, 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 shall include the details of existing quarry operated by same proponent in the EIA report along with compliance report.
2. The Proponent shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution, & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
3. The entire Cluster of mine lease area shall be video graphed through Drone and submit the same along with EIA report.
4. 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.


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12. 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.
13. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
14. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
15. The recommendation for the issue of "Terms of Reference" is subjected to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981/2016, M.A.No.982/2016 & M.A.No.384/2017).
16. 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.
17. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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.
18. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.


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3. The production for 5 years not exceeds 42620 m³ of rough stone, 8648 m³ weathered rock and 17781 m³ of Top soil with proposed depth – 30m. (BGL)

Based on the presentation made by the proponent and the documents furnished, SEAC decided to recommend the proposal for the grant of Terms of Reference (TOR) with Public Hearing for the production for the five years not exceeds 42620 m³ of rough stone, 8648 m³ weathered rock and 17781 m³ of Top soil with proposed depth – 30m. (BGL). 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 shall carry out the cumulative & comprehensive impact study due to mining operations carried out in the quarry cluster specifically with reference to the environment in terms of air pollution, water pollution, & health impacts, accordingly the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
2. The certified existing EC compliance report shall be included in the EIA Report.
3. A letter indicating exact distance between the least boundary of the project site and Narthamalai RF from DFO/Revenue department.
4. A temple is located nearer to the project site, the PP shall include the details of how often the festivals conducted in a year and how many people are gathered during the festivals obtained from competent authority.
5. The entire Cluster of mine lease area shall be video graphed through Drone and submit the same along with EIA report.
6. 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


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13. 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.
14. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
15. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
16. The recommendation for the issue of "Terms of Reference" is subjected to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981/2016, M.A.No.982/2016 & M.A.No.384/2017).
17. 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.
18. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement 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.
19. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
20. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report.
21. 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


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Appendix

List of Native Trees Suggested for Planting

1. *Aegle marmelos* - Vilvam
2. *Adenanthura pavonina* - Manjadi
3. *Albizia lebbek* - Vaagai
4. *Albizia amara* - Usil
5. *Bauhinia purpurea* - Mantharai
6. *Bauhinia racemosa* - Aathi
7. *Bauhinia tomentosa* - Iruvathi
8. *Buchanania aillaris* - Kattuma
9. *Borassus flabellifer* - Panai
10. *Butea monosperma* - Murukka maram
11. *Bobax ceiba* - Ilavu, Sevvilavu
12. *Calophyllum inophyllum* - Punnai
13. *Cassia fistula* - Sarakondrai
14. *Cassia roxburghii* - Sengondrai
15. *Chloroxylon sweitenia* - Purasa maram
16. *Cochlospermum religiosum* - Kongu, Manjal Ilavu
17. *Cordia dichotoma* - Mookuchali maram
18. *Creteva adansonii* - Mavalingum
19. *Dillenia indica* - Uva, Uzha
20. *Dillenia pentagyna* - Siru Uva, Sitruzha
21. *Diospyros ebenum* - Karungali
22. *Diospyros chloroxylon* - Vaganai
23. *Ficus amplissima* - Kal Itchi
24. *Hibiscus tiliaceous* - Aatru poovarasu
25. *Hardwickia binata* - Aacha
26. *Holoptelia integrifolia* - Aayili
27. *Lannea coromandelica* - Odhiam
28. *Lagerstroemia speciosa* - Poo Marudhu
29. *Lepisanthus tetraphylla* - Neikottai maram
30. *Limonia acidissima* - Vila maram
31. *Litsea glutinosa* - Pisin pattai
32. *Madhuca longifolia* - Illuppai
33. *Manilkara hexandra* - Ulakkai Paalai


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