

MINUTES

647th MEETING

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMIL NADU**

Date: 21.08.2023

**MINUTES OF THE 647th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 21.08.2023.**

| Agenda No | Description | File No. | Minutes |
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| a) | Confirmation of the minutes of the 646 th meeting of the Authority held on 09.08.2023. | | The minutes of the 646 th meeting of the Authority held on 09.08.2023 was confirmed. |
| b) | The Action taken on the decisions of the 646 th meeting of the Authority held on 09.08.2023. | | The Member Secretary informed that 646 th Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting. |
| 1. | Proposed Rough Stone Quarry lease over an extent of 5.00.0 Ha at S.F. Nos: 329(Part-4) of Halekottah Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.P. Subramani for Environmental Clearance (SIA/TN/MIN/54924/2020) | 7688 | <p>The Authority noted that the subject was appraised in the 396th meeting of SEAC held on 28.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority noted the following</p> <ol style="list-style-type: none"> 1. Earlier, The PP has obtained quarry lease for a period of Ten Years from 22.05.2008 to 21.05.2018. Due to forest objection, the issue of transport permits was stopped and PP had been directed to stop the quarrying activity in the proposed area. 2. Subsequently, the District Forest Officer, Hosur after verification had Stated that the S.F.No.329 of Halekottah Village of Hosur Taluk had been classified as unassessed waste in Revenue records and further he had stated that the Forest Department has no objection for carrying out rough stone quarrying activity in S.F.No.329. |


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| | | <p>3. Hence the lessee Thiru. P. Subramani had been allowed to continue the quarrying activity in the said area and dispatch slip had been issued to him from 28.02.2013 up to the lease period.</p> <p>4. The Hon'ble High Court Madras vide the order dated 11.03.2019 in W.M.P.No.40403 & 40404/2018 in W.P No.34852/2018 had allowed the writ petition with a direction to the respondents to extend lease for the non-operative period of four years (2009 to 2013).</p> <p>5. Subsequently, District Collector, Krishnagiri in the precise area letter no. Roc.126/2018/Mines dated 29.07.2019 extended the lease period for a further period of Four Years from the date of issue of transport permit.</p> <p>6. The mining plan is for the period of four years (01.08.2019 to 31.07.2023) & production is 499018m³ of Rough stone. The ultimate depth is 71m (36m AGL & 35m BGL).</p> <p>After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> 1. From the kml uploaded by the PP in the parivesh portal and the documents furnished by the PP, it is construed that the proposed site has been quarried after 2016. Hence, the PP shall submit a letter from AD mines reporting the current environmental conditions of the project site and details/status/work carried out during earlier lease period. 2. The proponent shall submit the Year wise |
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| | | | <p>bulk transport permit (as per appendix XII – TNMMCR, 1959) issued by the competent authority and last permit details.</p> <ol style="list-style-type: none"> 3. The proponent shall furnish the Copy of Environmental Clearance and CTO obtained for the earlier lease period if any. 4. The PP shall furnish a letter from AD/DD mines stating that the project will not fall under violation category. 5. The PP shall furnish the details of W.P No.34852/2018. 6. The mining plan is for the period of four years (01.08.2019 to 31.07.2023) got expired. Hence, the PP shall submit a Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining. 7. As per the mining plan, the quarry was not operated for the period from 06.05.2009 to 08.05.2013 and lease was granted for a non-operative period of Four Years from the date of issue of transport permit. What is the quantity to be quarried in the non-operative period. Is the quantity to be quarried in the non-operative period same as the quantity to be quarried in the proposed further period of Four Years. 8. The PP shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological structures etc., |
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| | | | In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent. |
| 2. | Proposed Multi Colour Granite Quarry over an Extent of 2.98.0 Ha at S.F.No. 568/1, 575/2 (P) & 621/2(P) of Subramaniapuram Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by M/s. Pokarna Limited -For Terms of Reference under Violation (SIA/TN/MIN/179859/2020) | 8024 | <p>The Authority noted that the subject was appraised in the 396th meeting of SEAC held on 28.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the specific TORs stated therein, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. The grant of Terms of Reference (TOR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal / Standard</p> |


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| | | <p>conditions in addition to the following conditions and conditions stated therein vide Annexure 'B'.</p> <ol style="list-style-type: none"> 1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2011 prepared by the accredited consultants within a period of one year from the issue of the specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance. 2. The PP shall furnish Copy of valid mining lease approval obtained from the competent Authority. 3. The PP shall furnish Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining. 4. The PP shall furnish EMP for the project life including progressive mine closure plan and final mine closure plan with detailed budget plan. 5. The PP shall study in detail about CO₂ release and temperature rise and add to micro climate alternations and the same shall be included in the final EIA report. 6. The PP shall study in detail about impact on the water bodies and natural flow of surface |
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| | | | <p>and ground water and the same shall be included in the final EIA report.</p> <p>7. The PP shall study in detail about Soil health, Climate change leading to Droughts, Floods etc.</p> <p>8. The PP shall study in detail about release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.</p> <p>9. The PP shall study in detail about Possibilities of water contamination and impact on aquatic ecosystem health.</p> <p>10. The PP shall study in detail about impact on flora, fauna, biodiversity and water table and the same shall be included in the final EIA report.</p> <p>11. The PP shall study the impact on Invasive Alien Species (IAP).</p> <p>In case the PP does not furnish Chapter 13 as directed by SEAC, MS, SEIAA may refer the file to SEAC for further action.</p> |
| 3. | Proposed Rough stone & Gravel Quarry lease over an Extent of 0.63.0Ha (patta land) at S.F.Nos. 76/1(P) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. NTC Blue Metals LLP – For Environmental Clearance (SIA/TN/MIN/417641/2023) | 8598 | <p>The Authority noted that the subject was appraised in the 396th meeting of SEAC held on 28.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p> |

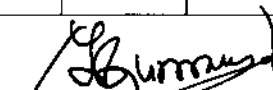

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| | | <ol style="list-style-type: none"> 1. Report on action taken by DGMS against the PP with respect to the accidents occurred in the Proponent's quarry shall be submitted. 2. Copy of report of the AD, G&M, regarding the accidents that occurred at the Proponent's quarry shall be submitted 3. Details of criminal cases filed against the PP in this regard and its current status. 4. From the KML file uploaded by the proponent in PARIVESH portal, it is construed that the proposed site has been intensively quarried. Further, the precise area communication letter and mining plan approval letter have not mentioned about the quarrying activity carried out. Hence, The PP shall furnish a letter obtained from AD/DD Mine & Geology with respect to exact depth of existing Pit, period of the operation and stoppage of the earlier mines if done & quantity of minerals mined out. 5. The PP shall furnish a letter from AD/DD mines stating that the project will not fall under violation category, clearly stating whether mining has been carried out in non-EC area , in the immediate vicinity of the project site. 6. The PP shall submit details regarding illicit mining if any. 7. The proponent shall enumerate on the details of the structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details |
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| | | | <p>such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p> |
| 4. | <p>Proposed Rough stone quarry over an extent of 1.23.0 Ha at S.F.Nos. 289/1, 290/1B & 290/2 of Karudayampalayam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. Ram Blue Metals – For Environmental Clearance. (SIA/TN/MIN/424880/2023)</p> | 9158 | <p>The Authority noted that the subject was appraised in the 396th meeting of SEAC held on 28.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p> <ol style="list-style-type: none"> 1. The PP shall furnish a letter obtained from AD/DD Mine & Geology with respect to exact depth of existing Pit, period of the operation and stoppage of the earlier mines & quantity of minerals mined out against the approved quantity and depth. 2. The PP shall furnish a letter from AD/DD mines stating that the project will not fall under violation category, clearly stating whether mining has been carried out in non-EC area. 3. The PP shall submit details regarding illicit mining if any. 4. The Authority noted that there is non-compliance of many of the conditions as stipulated in the EC granted earlier as per the Certified Compliance Report, submitted by the |


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| | | | <p>proponent. Hence, the proponent shall comply with all other necessary conditions as per the earlier EC issued dated. 08.01.2016 given below:</p> <ol style="list-style-type: none"> i. As per the EC issued earlier, the proponent shall complete the thick vegetation work by planting the native species of two rows on all sides of the lease area at the rate of 400 numbers /Ha. Besides, at least 10 numbers of Neem tree should be planted around the boundary of the quarry site. ii. The PP shall submit photographic evidences indicating Garland drain all around the boundary of the project area. iii. The PP shall furnish proof of separate account for maintaining the funds earmarked for Environmental Protection Measures. iv. The PP shall provide proof of solar lighting system provided to the nearby village. v. The PP shall show the evidence of insurance paid for the persons employed. vi. The PP shall show the record of carrying out the Free Silica Test for the persons employed in the mines and health condition of the local persons living within a radius of 1 km radius from the DGMS approved OHS Clinic/Hospital/Medical Practitioners'. |
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| | | | <p>vii. The PP shall show the records of air quality and ground water monitoring carried out.</p> <p>viii. The PP shall carry out the risk assessment studies on the existing quarry and shall submit a Risk Management Plan accordingly.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p> |
| 5. | <p>Existing Rough Stone Quarry lease over an extent of 1.65.5 Ha at S.F.Nos. 81/2A1 & 81/2A2 of Chettipillaiyarnatham Village, Thirumangalam Taluk, Madurai District, Tamil Nadu by Thiru. P. Rajmohan - Environmental Clearance. (SIA/TN/MIN/409724/2022)</p> | 8438 | <p>The Authority noted that the subject was placed in the 396th meeting of SEAC held on 27.07.2023 and the SEAC has furnished its recommendation for the grant of Environmental Clearance for the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 80105 m³ of Rough stone up to the restricted depth of 25m BGL and the annual peak production should not exceed 28720 m³ of Rough stone as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O.</p> |


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| | | | <p>1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also |
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| | | | should be brought to the notice of concerned authorities during inspections. |
| 6. | proposed of Rough Stone & Gravel Quarry lease over an extent of 2.19.0 Ha at S.F.Nos. 362/2 (part) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu - M/s. NTC Blue Metals LLP - For Environmental Clearance (SIA/TN/MIN/417665/2023) | 8599 | <p>The Authority noted that the subject was placed in the 396th meeting of SEAC held on 27.07.2023 and the SEAC has furnished its recommendation for the grant of Environmental Clearance for the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to call for the following details/documents from the Project Proponent:</p> <ol style="list-style-type: none"> 1. Report on action taken by DGMS against the Project Proponent with respect to the accident occurred in the Project proponent's quarry. 2. Report of AD/Mines regarding the accident that happened at the Project proponent's quarry. 3. Details of criminal case filed against the PP in this regard and its status. 4. KML file reveals presence of an existing pit at the project site. Hence the PP shall obtain letter from AD/Mines detailing the quantity of the mineral mined out, illicit mining /violation, if any, the balance quantity of mineral available, details of mineral mined outside the mine lease area (within the lease land) and complaints received against the quarry <p>On receipt of the details sought above, the Authority will deliberate further and decide on future course of action.</p> |


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| 7. | <p>Proposed Rough Stone & Gravel quarry lease over an extent of 4.58.35 Ha at S.F.No. 1574/1, 1574/2A and 1585/2A (P) of Irukkandurai Part-II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru.P. Devaraja - For Environmental Clearance.</p> <p>(SIA/TN/MIN/217798/2021)</p> | 8655 | <p>The Authority noted that the subject was placed in the 396th meeting of SEAC held on 27.07.2023 and the SEAC has furnished its recommendation for the grant of Environmental Clearance for the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 421940 m³ of Rough stone and 48480 m³ of Gravel up to the restricted depth of 43m BGL and the annual peak production should not exceed 84545 m³ of Rough stone and 37440 m³ of Gravel as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. |
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| | | | <ol style="list-style-type: none"> 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections. |
| 8. | Proposed Rough Stone & Gravel lease over an extent of 1.32.0 Ha at S.F.No. 85/2B(P) in Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu by Thiru.A.Palanisamy - For | 8697 | <p>The Authority noted that the subject was placed in the 396th meeting of SEAC held on 27.07.2023 and the SEAC has furnished its recommendation for the grant of Environmental Clearance for the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the</p> |


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| | <p>Environment Clearance. (SIA/TN/MIN/424096/2023)</p> | <p>safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 65963 m³ of Rough stone and 2250 m³ of Gravel up to the restricted depth of 42m BGL and the annual peak production should not exceed 14525 m³ of Rough stone as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. |
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| | | | <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> |
| 9. | <p>Proposed Multi Coloured Granite quarry over an extent of 1.28.5 ha in S.F.Nos. 152/1B, 152/3, 152/4B & 534/2 at Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru. P. Loganathan – For Environmental Clearance (SIA/TN/MIN/405263/2022)</p> | 7508 | <p>The authority noted that the subject was appraised in 396th SEAC meeting held on 28.07.2023.</p> <ol style="list-style-type: none"> 1. Based on the KML file submitted by the proponent in Parivesh portal and google imagery, it is ascertained that the proposed site is approximately 2.83 Km from Cauvery North Wildlife Sanctuary and 8.67 Km from Cauvery South Wildlife Sanctuary. 2. SEAC noted that the Cauvery North Wildlife Sanctuary is situated in between the Cauvery South Wildlife Sanctuary and the proposed site. Further, the Cauvery North Wildlife Sanctuary has been notified and the proposed mine site is beyond the |


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| | | | <p>Eco Sensitive Zone of the Cauvery North Wildlife Sanctuary. Hence, SEAC decided that the proposal doesn't warrant prior clearance from National Board for Wildlife (NBWL).</p> <p>Authority after detailed deliberation, noted that</p> <ol style="list-style-type: none"> 1. Earlier in 621st SEIAA meeting held on 23.05.2023, in a similar case authority decided to request Member Secretary, SEIAA-TN to obtain a clarification from Chief Wildlife Warden regarding the applicability of OM FC-11/119/2020-FC Dated 17.05.2022 for the proposed site. 2. Subsequently, a letter had been addressed to Chief Wildlife Warden vide Lr.No.SEIAA-TN/F.No.9799/2023/NBWL dated 19.06.2023 based on the direction given by authority in it's 621st SEIAA meeting. <p>In the light of the above, upon the receipt of clarification from chief wildlife warden further deliberation shall be done.</p> |
| 10. | Proposed Rough Stone & Gravel quarry over an extent of 1.01.0 ha in S.F.Nos. 79/2A (P) at Myleripalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. K. Shanmugam – For Environmental Clearance. (SIA/TN/MIN/408536/2022) | 8117 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 62,423m³ of rough stone & 2,520m³ of gravel up</p> |


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to the depth of 38m BGL and the annual peak production should not exceed 17,550m³ of Rough Stone & 840 m³ of Gravel. This is also subject to the conditions imposed by SEAC. normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance


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| | | | <p>module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> |
| 11. | Proposed Rough Stone & Gravel quarry lease over an extent of 1.20.0 Ha at S.F.No. 98/2(P) at Poomalur Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru M. Ramasamy – For Environmental Clearance. (SIA/TN/MIN/401287/2022) | 8642 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 58,140m³ of rough stone up to the depth of 47m BGL and the annual peak production should not exceed 14,040m³ of Rough Stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.</p> <p>In view of MoEF&CC's notification S.O.1533(E) 14.09.2006 and S.O. 1807(E) dated 12.04.2022, this</p> |

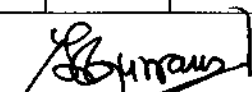

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| | | <p>Environmental Clearance is valid as per the approved mine period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought |
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| | | | to the notice of concerned authorities during inspections. |
| 12. | Proposed Rough Stone and Gravel quarry lease over an extent of 3.66.5 Ha in S.F. Nos. 219/3E(P), 219/3F2(P), 219/3G, 220/3D1, 220/3D2B, 220/3A, 220/3B & 220/3C of Kolarpatti Village, Pollachi Taluk, Coimbatore District, Tamil Nadu by Thiru T.T. Satheesan for Environmental Clearance. (SIA/TN/MIN/236552/2021) | 8950 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,74,685m³ of Rough Stone & 9,662m³ of Gravel up to the depth of 42m BGL and the annual peak production should not exceed 52,440m³ of Rough Stone & 4,488m³ of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. |


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| | | | <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> |
| 13. | Proposed Rough Stone & gravel quarry lease area over an extent of Extent 3.03.0 Ha at SF. No. 908 & 914 of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Subbaraman - For Environmental | 8999 | <p>The authority noted that the subject was appraised in 396th SEAC meeting held on 28.07.2023.</p> <p>Earlier the proposal was placed in the 371st meeting of SEAC held on 26.04.2023. During the presentation SEAC observed that some of the structures from Google imagery, hence SEAC decided to call for the following details.</p> |


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| | <p>Clearance. (SIA/TN/MIN/413966/2023)</p> | | <p>1. The PP shall carry out a survey and enumerate on the structures located within 50m, 100m, 200m and 300m radius from the proposed site, with details such as nature of structure, use, occupation, etc.</p> <p>Now, the proposal was placed in the 396th SEAC meeting held on 28.07.2023. Based on the presentation and documents furnished. The SEAC decided to call for additional details.</p> <ol style="list-style-type: none"> 1. The proponent shall revise the mining area and submit 'modified mining plan' duly approved by the concerned AD/Mines with revised quantity, extent and SF No. 2. The proponent shall submit an action plan in order to address the non-compliance of earlier issued EC conditions and to effectively implement the systematic and scientific mining on ground. 3. The proponent shall submit the photographic/videographic evidence of garland drain. <p>Upon the receipt of above said details, further deliberation shall be done. Hence, the proponent is advised to submit the additional documents/information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In view of the above, the Authority, after deliberations decided to request Member Secretary, SEIAA to communicate the minutes of 397th SEAC meeting to the project proponent.</p> |
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| 14. | <p>Proposed Earth Quarry lease over an Extent of 3.64.5 Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkazhi Taluk, Mayiladuthurai (Formerly Nagapattinam) District, Tamil Nadu by Thiru. V. Senthamilseran – For Environmental clearance. (SIA/TN/MIN/142135/2020)</p> | 7439 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023. The Committee after deliberations, decided to re-iterate its recommendations already made in the 359th SEAC meeting held on 02.03.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 43,200 m³ of earth up to the depth of 2m below ground level for the ultimate pit dimensions of length – 180m, width – 120m & depth – 2m. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. |
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| | | | <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> |
| 15. | Proposed Rough Stone & Gravel quarry lease over an extent of 0.97.5Ha at S.F.No. 154/1A (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru. M. Vijayakumar - For Environmental Clearance. (SIA/TN/MIN/191076/2021) | 8216 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023. The Committee, after deliberations decided that the proponent shall obtain clarification on the details mentioned in the minutes from the Deputy Director, Dept. of Geology and Mining on the inconsistencies in his cluster letter dated.07.12.2020.</p> <p>In view of the above, the Authority, after deliberations decided to request Member Secretary, SEIAA to communicate the minutes of</p> |


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| | | | 396 th SEAC meeting to the project proponent. |
| 16. | Proposed Rough Stone and Gravel Quarry lease over an extent of 14.85.5 Ha in S.F.No. 718(Part), 719/1A(Part), 722/1, 722/2 and 730/3 at Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu. by M/s. Shri Venkateshwara Construction Materials and Industries – For Environmental clearance. (SIA/TN/MIN/405367/2022) | 8272 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 18,70,362 m³ of rough stone & 30,062 m³ of gravel up to the depth of 45m below ground level and the annual peak production should not exceed 3,88,356 m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC |

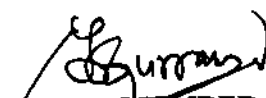

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| | | | <p>while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> |
| 17. | Proposed Rough Stone & Gravel quarry lease over an extent of 0.51.0 Ha at S.F.Nos. 207/10B2 of Melur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Tvl.Sai Hridham Infraa (P) Ltd - For Terms of Reference. (SIA/TN/MIN/60550/2021) | 8293 | The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023. During the presentation, the EIA Co-ordinator stated that the proponent would like to withdraw the proposal. Hence, SEAC decided to accept the proponent's request to withdraw the proposal and SEIAA may accordingly take necessary action in accordance with the procedures laid by the MoEF&CC. |


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| | | | <p>The Authority, during deliberations noted the following:</p> <p>i) On perusal of the documents submitted by the proponent in the PARIVESH Portal, it was ascertained that the current proposal is a fit case for cluster and hence requires appraisal under 'B1' category.</p> <p>ii) The proponent vide letter dated.28.07.2023 has informed that they intend to modify and revise the proposal and hence would like to withdraw the current proposal.</p> <p>In view of the above, the Authority after detailed deliberations, decided that the proponent shall furnish proper justification for seeking withdrawal.</p> |
| 18. | <p>Proposed of Rough stone and Gravel Quarry lease over an extent of 1.62.0Ha in S.F.No. 42/1B and 43/1B of Pachapalyam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru. A. Myilsamy- for Environmental Clearance.</p> <p>(SIA/TN/MIN/57115/2020)</p> | 7909 | <p>The Authority noted that the subject was appraised in the 396th meeting of SEAC held on 28.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided that the reply furnished by the AD is not only evasive but also not factual. SEAC, therefore decided to request the SEIAA to ask the Director of Geology & Mining, Chennai to depute a senior official to inspect the site and give a report and also for obtaining an explanation from the AD (Mines), Dept of Geology and Mining, Coimbatore for not recording the ground realities and factual information about the site condition.</p> <p>In view of the above, the Authority after detailed deliberation accepts the decision of SEAC. Further, SEIAA decided to request the MS-SEIAA to write letter to the Director of Geology & Mining,</p> |


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| | | | Chennai to depute a senior official to inspect the site and give a report and also the Director shall obtain an explanation from the AD (Mines), Dept of Geology and Mining, Coimbatore for not recording the ground realities and factual information about the site condition. In addition to that the authority decided to request the MS-SEIAA to obtain a letter from AD/DD mines stating that the project will not fall under violation category. |
| 19. | Proposed Multi-Colour Granite Quarry over an extent of 4.34.0 Ha in SF.No.456 (Nadanthai) & 25/1 (Irukku), Nadanthai & Irukku Village, Paramathivelur Taluk, Namakkal District by Thiru.P.Velmani- For Environmental Clearance. (SIA/TN/MIN/ 416117/2023) | 8091 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.7.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 30,042m³ of Multi-colour Granite @ 60% Recovery up to the depth of mining 39m BGL and the annual peak production should not exceed 6077m³ of Multi-colour Granite @ 60% Recovery. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> |


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| | | <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections. 7. The project proponent shall store/ the granite waste generated within the earmarked area of |
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| | | | the project site for mine closure as per the approved mining plan. |
| 20. | Proposed Rough Stone quarry lease over an extent of 3.00.0Ha at S.F.No. 314 (Part-1), Thuppuganapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.G. Perumal -For Terms of Reference. (SIA/TN/MIN/76214/2022) | 9211 | The authority noted that this proposal was placed for appraisal in 396 th meeting of SEAC held on 28.07.2023, the committee has furnished its recommendations for granting ToR with Public hearing subject to the conditions stated therein. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in ' Annexure B ' of this minute. |
| 21. | File No: 7693 Proposed Ordinary earth quarry lease over an extent of 3.15.0 Ha in S.F.No. 93(Part), WRD Tank, Irulancheri Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by Thiru. A. S. Chandrasekaran - For Environmental Clearance. (SIA/TN/MIN/165238/2020) | | The authority noted that the subject was appraised in the 396 th SEAC meeting held on 28.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 28,350 m³ of Ordinary Earth up to the depth of 0.90m below ground level. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes. |


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1. The Environmental Clearance issued is only for the below co-ordinates bounded by four corners.

| Boundaries / Corners | Co-ordinates | | Distance between Boundaries / Corners |
|----------------------|--------------|------------|---------------------------------------|
| | Latitude | Longitude | |
| 1 | 13°01'14"N | 79°48'53"E | 1-2 = 210.0m |
| 2 | 13°01'18"N | 79°48'48"E | 2-3 = 150.0m |
| 3 | 13°01'22"N | 79°48'51"E | 3-4 = 210.0m |
| 4 | 13°01'17"N | 79°48'56"E | 4-1 = 150.0m |

2. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.

3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.

4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.

5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.

6. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.

7. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.

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| 22. | Proposed Wind Earth Quarry over an Extent of 4.03.5ha of Patta Lands in S.F.Nos.193/3B, 193/4, 193/5, 193/6, 194/1 and 194/2 of Rasingapuram Village, Bodinaickkanur Taluk, Theni District, Tamil Nadu by | 7827 | The authority noted that the subject was appraised in the 396 th SEAC meeting held on 28.07.2023. SEAC has reconfirmed its recommendations for granting Environmental Clearance already made in 342 nd SEAC meeting held on 30.12.2022 subject to the conditions stated therein. |
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| | <p>Thiru.P.Gunasekarapandiyan- For Environmental Clearance. (SIA/TN/MIN/42649/2019)</p> | | <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 59160m³ of Ordinary Earth up to the depth of 2m AGL and the annual peak production should not exceed 29784m³ of Ordinary Earth. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. |
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| | | <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. The project proponent shall ensure topsoil is not disturbed during proposed mining activity.</p> <p>8. The project proponent shall spend EMP cost including Capital Cost Rs. 9.88 Lakhs & Recurring Cost Rs. 13.74 Lakhs/ 3Years including capital & recurring cost with 5% inflation cost anticipated every year as committed.</p> <p>9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the CER cost is Rs. 2 Lakhs and the amount shall be spent for the Government High School, before obtaining CTO from TNPCB.</p> |
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| 23. | Proposed Rough stone & Gravel quarry lease over an extent of 1.21.5ha at S.F.No.58/1 in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.P. Venkatachalam for Environmental Clearance. (SIA/TN/MIN/58080/2020) | 8184 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023 and during SEAC noted that there was a habitation consisting approximately of 50 nos. of houses within 200m radius located adjacent to the Chinnakapalayam road but it was misleadingly portrayed as a single house /shed.</p> <p>Under the circumstances, SEAC, after detailed discussions, decided not to recommend the proposal for grant of EC considering the location of a habitation within the 200m radius from the lease boundary of the quarry.</p> <p>Further, the Project Proponent (PP) shall furnish an explanation for hiding the facts regarding the habitations around the proposed quarry site.</p> <p>In view of the above, the authority after detailed discussion decided unanimously to accept the recommendation of SEAC, hence this proposal seeking EC is not recommended and stands rejected. Also, Member secretary SEIAA shall seek explanation from the PP for hiding the facts regarding the habitations around the proposed quarry site.</p> |
| 24. | Proposed Rough stone & Gravel quarry lease over an extent of 0.78.0 Ha in S.F. No127/2, 127/3 Themnavur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Tmt.A.Mahalakshmi - For Terms of Reference under Violation. (SIA/TN/MIN/268185/2022) | 9199 | <p>The authority noted that the subject was appraised in the 396th SEAC meeting held on 28.07.2023 and SEAC noted that this project falls under violation project and decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and ToR given in Annexure-I, the EIA/EMP report along with assessment of</p> |


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| | | <p>ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. The grant of Terms of Reference (TOR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category for undertaking the Environment Impact Assessment Study and preparation of Environment Management Plan subject to the standard terms of reference in addition to the conditions as recommended by SEAC & following conditions in addition to the conditions in 'Annexure B' of this minute. Further, this ToR granted will be legally subject to the outcome of the case W.P (MD). No. 11757 of 2021 pending before Hon'ble Madurai Bench of the High Court of Madras.</p> <p>1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants within a period of one year from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to</p> |
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| | | | <p>violation as a condition of Environmental Clearance.</p> <p>2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.</p> |
| 25. | <p>Construction of Medical Hospital building without prior Environmental clearance by M/s. Velammal Medical College & Hospital & Research Institute at S.F.Nos. 62/6, 62/7, 63/9A, 63/9B, 63/9C, 64/2, 64/7B,70/2A, 70/2B, 71/1, 71/3, 71/4A,72/2, 72/3A, 72/38, 72/4A, 72/4B, 72/4C,72/4D, 72/5, 72/6, 72/7, 72/8, 72/9A, 72/9B1,72/9B2, 72/10, 72/11A,72/11B, 72/12, 72/13, 73/4A(P), 73/4B, 73/13, 80/5 of Anuppanadi Village, Madurai South Taluk, Madurai District, Tamil Nadu - For Environmental Clearance under Violation. (SIA/MIS/201965/2021)</p> | 518 | <p>The Authority noted that the subject was placed in the 396th meeting of SEAC held on 27.07.2023 and the SEAC has furnished its recommendation for the grant of Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to call for the following details/documents:</p> <ol style="list-style-type: none"> 1. The Project Proponent to furnish the present status of O.A. 08/2021 filed against M/s. Velammal Medical College & Hospital & Research Institute. 2. The Member Secretary, SEIAA TN to obtain legal opinion on issuing Environmental Clearance under violation category to the project when a case against the project has been filed before the Hon'ble NGT(SZ) vide O.A No. 08/2021 and is still pending. <p>On receipt of the details sought above, the Authority will deliberate further and decide on future course of action.</p> |
| 26. | Proposed Rough stone and Gravel quarry lease over an extent of | 9640 | The authority noted that this proposal was placed for appraisal in 396 th meeting of SEAC held on |


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| | <p>2.27.5Ha at SF. Nos. 48/4 (P) & 48/5A (P) of Palur Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by M/s. Bommi Marines Private Limited - For Environmental Clearance. (SIA/TN/MIN/410043/2022)</p> | <p>28.07.2023, SEAC called for the following additional details in 364th SEAC meeting held on 23.03.2023.</p> <ol style="list-style-type: none"> 1. The PP shall submit a detailed letter obtained from the competent authority indicating the details of the existing pits, as the PP has been imposed a penalty for illegally mining operations. 2. The PP shall submit EC compliance report. <p>The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC. SEAC decided to defer the proposal to examine the documents submitted.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 28.07.2023.</p> |
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| <p>27.</p> | <p>File No: 3126</p> <p>Proposed Amendment for the Construction of Multistoried residential housing project by M/s. Central Government Employees Welfare Housing Organization at S.F. No. 472, 474/1B, etc of Paruthipattu Village, Poonamallee Taluk, Thiruvallur District, Tamil Nadu - For Amendment Environmental Clearance. (SIA/TN/MIN/300543/2023)</p> <p>The authority noted that the proposal was earlier appraised in the 395th SEAC meeting held on 27.07.2023. Neither the PP nor the EIA coordinator was present for the meeting. Hence, the committee decided to defer the proposal.</p> <p>Again, the proposal was appraised in the 396th SEAC meeting held on 28.07.2023. During the meeting, EIA coordinator stated that</p> <p><i>"we applied for amendment in EC for change in survey number as 474/1A instead of 474/2A. We wish to add that the survey numbers mentioned in the EC has been unknowingly mentioned from our end as 474/1A instead of 474/2A. The said survey number 474/1A does not belong to the land</i></p> |
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of this particular project and is not mentioned in any of the land documents such as patta."

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

| Description | AS PER EC | Amendment recommended |
|--|----------------------------------|--|
| Survey Number | 474/1A | 474/2A |
| Details of wastewater Treatment Plants | Sewage Treatment Plant – 750 KLD | Sewage Treatment Plant i. STP – I = 150 KLD ii. STP – II = 600 KLD |

1. The PP shall operate & maintain the proposed two STPs for the period of 10 years.
2. All other conditions as stipulated vide vide EC Letter No. SEIAA/TN/F. 3126/2014/EC-380/8(a)/861/2015 dated: 30.03.2015 remains unaltered.

The Authority after detailed deliberation accepts the recommendation of SEAC and decided to grant amendment subject to the following conditions

| Description | AS PER EC | Amendment recommended |
|--|----------------------------------|--|
| Survey Number | 474/1A | 474/2A |
| Details of wastewater Treatment Plants | Sewage Treatment Plant – 750 KLD | Sewage Treatment Plant i. STP – I = 150 KLD ii. STP – II = 600 KLD |

1. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
2. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspection.


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SEIAA-TN

3. All other conditions as stipulated vide vide EC Letter No. SEIAA/TN/F. 3126/2014/EC-380/8(a)/861/2015 dated: 30.03.2015 remains unaltered.

28.

File No.7692

Construction of 464 TNGRHS flats at T.S.Nos. 3(Part), 6 of Ward No.AD, Block No.13, Old Circuit house colony of Sengulam Village, Trichy East Taluk, Trichy District, Tamil Nadu by M/s. Tamil Nadu Housing Board – For Amendment in Environmental Clearance. (SIA/TN/MIS/301148/2023)

The PP has obtained EC vide Lr.No.SEIAA-TN/F.No.7692/EC/8(a)/734/2020 dated 11.12.2020. Now the PP has requested for Amendment in EC for the exemption from constructing STP and thereby disposing to common STP (4.92 MLD of TWAD Board maintained by Trichy Corporation) by Sengulam Colony UGD pumping station through a dedicated UGD pipeline.

After detailed deliberation, the Authority decided to issue the following amendment to the Environmental clearance issued vide Lr.No.SEIAA-TN/F.No.7692/EC/8(a)/734/2020 dated 11.12.2020 subject to the conditions mentioned below.

| S.No | Description | As per EC issued dated 11.12.2020 | Amendment issued |
|------|---|--|--|
| 1. | Page No.4 of 25 Details of Treatment | Page 4 – Sewage Treatment Plant -120 KLD 1. Bar screen chamber 2. Collection Tank 3. Primary settling Tank 4. Aeration Tank 5. Secondary Settling tank 6. Clear water tank 7. Pressure sand filter 8. Activated Carbon filter 9. UV Disinfection System 10. Treated water tank 11. Sludge holding tank 12. Dewatering System - Filter Press | In Page 4 – Sewage Treatment Plant -120 KLD May be read as, Common STP (4.92 MLD of TWAD Board maintained by Trichy Corporation) |
| 2. | Page No.4 of 25 Mode of Disposal with quantity | Page No.4 Treated Sewage: 301 KLD Toilet Flushing -111 KLD Greenbelt development - 10 KLD | In Page No.4 May be read as, Disposed to common STP (4.92 MLD. of TWAD Board |


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| | | Watering Road side Trees &OSR Development -180 KLD | maintained by Trichy Corporation) by Sengulam Colony UGD pumping station through a dedicated UGD pipeline. |
| 3. | Page No.4 of 25 SOLID WASTE | Page No.4 of 25 In S.No.13 (iii) STP sludge – 16 Kg/day | Page No.4 of 25 In S.No.13 May be read as, (iii) STP sludge – Nil |

Conditions:

1. All other conditions and validity mentioned in the EC dated 11.12.2020 will remain unchanged and unaltered.

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| 29. | Existing Colour Granite quarry lease over an extent of 15.23.0 Ha S.F.Nos.76/1, Chendrapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s TAMIN - For amendment in Environmental Clearance | 4389 | After detailed discussion, the authority noted as follows: 1. The proponent M/s. Tamil Nadu Minerals Limited has obtained Environmental Clearance vide Lr. No.SEIAA-TN/F.No.4389/EC/1(a)/3975/2018 dated: 30.04.2018 for the existing Colour Granite quarry lease area over an extent of 15.23.5 Ha at S.F.No. 176/1(Part) of Chendarapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu. Subsequently, the proponent has obtained EC Amendment vide Lr. No.SEIAA-TN/F.No.4389/EC/1(a)/3975/Amendment/2023 dated: 23.05.2023. 2. Now, the proponent has applied for extension of validity of earlier issued EC in Form 6 vide SIA/TN/MIN/302540/2023, dated: 25.07.2023 as per MoEF&CC Notification S.O. 1807(E) dated: |
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| | | | <p>12.04.2022 and MoEF&CC O.M. dated: 13.12.2022.</p> <p>The PP has furnished the approved Modified Mining Plan (uploaded in Parivesh portal) for the period from 29.12.2022 to 28.12.2023 obtained from the Commissioner of Geology and Mining vide Rc.No.5668/MM4/2022 dated: 13.11.2022.</p> <p>3. Meanwhile, the PP has furnished the approved Scheme of Mining Plan (hardcopy submitted on 11.08.2023) for the period from 2023-2024 to 2027-2028 obtained from the Director of Geology and Mining vide Rc.No.3887/MM4/2023 dated: 06.07.2023.</p> <p>In view of the above, the authority has decided to refer back the proposal to SEAC for remarks and recommendations.</p> |
| 30. | Proposed Silica Sand quarry lease over an extent of 3.73.0Ha at S.F.Nos. 73(Part) of Vadaagaram Village, Marakkanam Taluk, Villupuram District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - TAMIN - For Environmental Clearance. | 8731 | <p>The authority noted that the subject was earlier appraised in the 389th Meeting of SEAC held on 06.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 39,986 Ts of Silica Sand up to the depth of 4m BGL and the annual peak production should not exceed 9363 Ts of Silica Sand. This is also subject to the conditions imposed by SEAC, normal</p> |

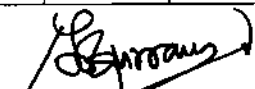

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| | | <p>conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year |
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| | | | <p>wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> |
| 31. | <p>Proposed Fireclay quarry over an extent of 3.21.5 Ha at S. F. Nos. 336/4 (Part), 336/5, 336/8 & 336/9 (Part) of Therani Village, Alathur Taluk, Perambalur District, Tamil Nadu by Thiru. C. Senthil Kumar - For Terms of Reference. (SIA/TN/MIN/430996/2023 dt. 27.05.2023)</p> | 10084 | <p>After detailed discussion, the authority noted as follows:</p> <ol style="list-style-type: none"> 1. In the minutes of 393rd SEAC meeting held on 20.07.2023, the SEAC has stated the following: <i>The proponent shall give an Affidavit before the issuance of ToR from SEIAA-TN stating that the mining operations will remain suspended till they obtain the EC granted by the SEIAA after the reappraisal process as per MoEF & CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023.</i> 2. Email was communicated on 02.08.2023 requesting proponent to furnish an affidavit as indicated in the 393rd SEAC meeting stating that the mining operations will remain suspended till they obtain EC from the SEIAA after the reappraisal process as per MoEF&CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023. 3. Till date, the proponent has not furnished an affidavit as requested by the SEAC. <p>In view of the above, the authority has decided to refer back the proposal to SEAC for further remarks.</p> |


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Annexure 'A'

a) EC Compliance

1. The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental Impact Assessment/ Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application.
2. All the conditions as presented by the proponent in the PPT during SEAC appraisal should be addressed in Full.
3. The proponent shall submit Compliance Reports on the status of compliance of the stipulated EC conditions including results of monitored data. It shall be sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA).
4. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

b) Applicable Regulatory Frameworks


5. The project proponent shall strictly adhere to the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity Conservation Act, 2016, the Biological Diversity Act, 2002, Biological diversity Rules, 2004 & TN Forest Act, 1882 and Rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter

c) Safe mining Practices

6. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
7. The AD/DD, Dept. of Geology & Mining & Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as


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CHAIRMAN
SEIAA-TN

recommended in the scientific slope stability study of the reputed research & Academic Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.

8. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

d) Water Environment – Protection and mitigation measures

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
11. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
12. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance Report.
13. Rain Water Harvesting facility should be installed as per the prevailing provisions of TNMBR/TNCDBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
14. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
15. Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
16. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.


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SEIAA-TN

e) **Air Environment – Protection and mitigation measures**

17. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.
18. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.
19. The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.

f) **Soil Environment – Protection and mitigation measures**

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.
22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.
23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.
28. Activities should not result in invasion of site by exotic and alien plant and animal species and disturb the native biodiversity and soil micro flora and fauna.


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g) Noise Environment – Protection and mitigation measures

29. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
30. The sound at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Hence, the PP shall ensure that the biological clock of the villages are not disturbed because of the mining activity.

h) Biodiversity - Protection and mitigation measures

31. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
32. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.
33. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
34. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
35. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

i) Climate Change

36. The project activity should not in any way impact the climate and lead to a rise in temperature.
37. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.


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38. Intensive mining activity should not add to temperature rise and global warming.
39. Operations should not result in GHG releases and extra power consumption leading to Climate Change.
40. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.
41. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.
42. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.
43. Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.

j) Reserve Forests & Protected Areas

44. The activities should provide nature based support and solutions for forest protection and wildlife conservation.
45. The project activities should not result in forest fires, encroachments or create forest fragmentation and disruption of forest corridors.
46. There should be no disturbance to the freshwater flow from the forest impacting the water table and wetlands.
47. The project proponent should support all activities of the forest department in creating awareness to local communities on forest conservation.
48. The project activities should not alter the geodiversity and geological heritage of the area.
49. The activities should not result in temperature rise due to increased fossil fuels usage disrupting the behaviour of wildlife and flora.
50. The activities should support and recognise the rights and roles of indigenous people and local communities and also support sustainable development.
51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

k) Green Belt Development

53. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.


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CHAIRMAN
SEIAA-TN

54. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).

l) **Workers and their protection**

55. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.

56. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.

57. The workers shall be employed for working in the mines and the working hours and the wages shall be implemented/enforced as per the Mines Act, 1952.

m) **Transportation**

58. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a bypass road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

59. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to


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MEMBER


CHAIRMAN
SEIAA-TN

avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

n) Storage of wastes

60. The project proponent shall store/dump the waste generated within the earmarked area of the project site for mine closure as per the approved mining plan.

o) CER/EMP

61. The CER should be fully Implemented and fact reflected in the Half-yearly compliance report.

62. The EMP shall also be implemented in consultation with local self-government institutions & Govt. departments.

63. The follow-up action on the implementation of CER Shall be included in the compliance report.

p) Directions for Reclamation of mine sites

64. The mining closure plan should strictly adhere to appropriate soil rehabilitation measures to ensure ecological stability of the area. Reclamation/Restoration of the mine site should ensure that the Geotechnical, physical, chemical properties are sustainable that the soil structure composition is buildup, during the process of restoration.

65. The proponent shall ensure that the mine closure plan is followed as per the mining plan and the mine restoration should be done with native species, and site restored to near original status. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.

66. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.

67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.


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68. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
70. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
71. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
72. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
73. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
74. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
75. Efforts should to taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following the succession process allowing pioneer species to establish. The other approach i.e


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plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.

76. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

Annexure 'B'

Cluster Management Committee

1. Cluster Management Committee shall be framed which must include all the proponents in the cluster as members including the existing as well as proposed quarry.
2. The members must coordinate among themselves for the effective implementation of EMP as committed including Green Belt Development, Water sprinkling, tree plantation, blasting etc.,
3. The List of members of the committee formed shall be submitted to AD/Mines before the execution of mining lease and the same shall be updated every year to the AD/Mines.
4. Detailed Operational Plan must be submitted which must include the blasting frequency with respect to the nearby quarry situated in the cluster, the usage of haul roads by the individual quarry in the form of route map and network.
5. The committee shall deliberate on risk management plan pertaining to the cluster in a holistic manner especially during natural calamities like intense rain and the mitigation measures considering the inundation of the cluster and evacuation plan.
6. The Cluster Management Committee shall form Environmental Policy to practice sustainable mining in a scientific and systematic manner in accordance with the law. The role played by the committee in implementing the environmental policy devised shall be given in detail.
7. The committee shall furnish action plan regarding the restoration strategy with respect to the individual quarry falling under the cluster in a holistic manner.
8. The committee shall furnish the Emergency Management plan within the cluster.
9. The committee shall deliberate on the health of the workers/staff involved in the mining as well as the health of the public.
10. The committee shall furnish an action plan to achieve sustainable development goals with reference to water, sanitation & safety.
11. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.

Impact study of mining

12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following


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- a) Soil health & soil biological, physical land chemical features .
- b) Climate change leading to Droughts, Floods etc.
- c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
- d) Possibilities of water contamination and impact on aquatic ecosystem health.
- e) Agriculture, Forestry & Traditional practices.
- f) Hydrothermal/Geothermal effect due to destruction in the Environment.
- g) Bio-geochemical processes and its foot prints including environmental stress.
- h) Sediment geochemistry in the surface streams.

Agriculture & Agro-Biodiversity

- 13. Impact on surrounding agricultural fields around the proposed mining Area.
- 14. Impact on soil flora & vegetation around the project site.
- 15. Details of type of vegetations including no. of trees & shrubs within the proposed mining area and. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed mentioned in EMP.
- 16. The Environmental Impact Assessment should study the biodiversity, the natural ecosystem, the soil micro flora, fauna and soil seed banks and suggest measures to maintain the natural Ecosystem.
- 17. Action should specifically suggest for sustainable management of the area and restoration of ecosystem for flow of goods and services.
- 18. The project proponent shall study and furnish the impact of project on plantations in adjoining patta lands, Horticulture, Agriculture and livestock.

Forests

- 19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
- 20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
- 21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.
- 22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment


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23. 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) so as to assess the impacts on the nearby waterbodies 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, covering the entire mine lease period.
24. Erosion Control measures.
25. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.
26. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.
27. The project proponent shall study and furnish the details on potential fragmentation impact on natural environment, by the activities.
28. The project proponent shall study and furnish the impact on aquatic plants and animals in water bodies and possible scars on the landscape, damages to nearby caves, heritage site, and archaeological sites possible land form changes visual and aesthetic impacts.
29. The Terms of Reference should specifically study impact on soil health, soil erosion, the soil physical, chemical components and microbial components.
30. The Environmental Impact Assessment should study on wetlands, water bodies, rivers streams, lakes and farmer sites.

Energy

31. The measures taken to control Noise, Air, Water, Dust Control and steps adopted to efficiently utilise the Energy shall be furnished.

Climate Change

32. The Environmental Impact Assessment shall study in detail the carbon emission and also suggest the measures to mitigate carbon emission including development of carbon sinks and temperature reduction including control of other emission and climate mitigation activities.
33. The Environmental Impact Assessment should study impact on climate change, temperature rise, pollution and above soil & below soil carbon stock.

Mine Closure Plan

34. Detailed Mine Closure Plan covering the entire mine lease period as per precise area communication order issued.

EMP


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35. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.

36. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.

Risk Assessment

37. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.

Disaster Management Plan

38. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities covering the entire mine lease period as per precise area communication order issued.

Others

39. The project proponent shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological sites, Structures, railway lines, roads, water bodies such as streams, odai, vaari, canal, channel, river, lake pond, tank etc.

40. 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 address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.

41. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.


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