

**MINUTES**

**656<sup>th</sup> MEETING**

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

**Date: 20.09.2023**

**MINUTES OF THE 656<sup>th</sup> MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY HELD ON 20.09.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 655 <sup>th</sup> meeting of the Authority held on 19.09.2023.		The minutes of the 655 <sup>th</sup> meeting of the Authority held on 19.09.2023 was confirmed.
b)	The Action taken on the decisions of the 655 <sup>th</sup> meeting of the Authority held on 19.09.2023.		The Member Secretary informed that 655 <sup>th</sup> Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Proposed Earth Quarry lease over an extent of 0.43.0 Ha at S.F. No. 194/7 of Vairavankulam Village, Kadayanallur Taluk, Tirunelveli District, Tamil Nadu by Thiru. B. Sathish – For Environmental Clearance. (SIA/TN/MIN/170042/2020)	5773	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. Based on the presentation and details furnished by the project proponent, the SEAC noted that the <b>proposed project site lies within the ESZ of Nellai Wildlife Sanctuary.</b></p> <p>As per MoEF&amp;CC S.O.2794(E) dated.02.08.2019, Notification pertaining to Nellai <i>Wildlife Sanctuary</i>, <i>Under Para 4 – List of activities prohibited or to be regulated within Eco-Sensitive Zone, <b>Commercial Mining, stone quarrying and crushing units are listed under Prohibited activities.</b></i></p> <p>Further, The extracts from the Judgement IN THE SUPREME COURT OF INDIA CIVIL ORIGINAL JURISDICTION I.A. No.1000 of 2003 (Recommendation of CEC dated 20.11.2003) In the Matter of: WRIT PETITION (CIVIL) NO. 202 of 1995 In Re: T.N. Godavarman Thirumulpad Versus Union of India and Ors delivered on 3<sup>rd</sup> June 2022 states that</p> <p align="center">“...44. We accordingly direct:-</p>

  
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(a) Each protected forest, that is national park or wildlife sanctuary must have an ESZ of minimum one kilometre measured from the demarcated boundary of such protected forest in which the activities proscribed and prescribed in the Guidelines of 9th February 2011 shall be strictly adhered to. For Jamua Ramgarh wildlife sanctuary, it shall be 500 metres so far as subsisting activities are concerned.

(b) In the event, however, the ESZ is already prescribed as per law that goes beyond one kilometre buffer zone, the wider margin as ESZ shall prevail..."

Besides, the MoEF & CC Guidelines for seeking recommendations of Standing Committee of NBWL for activities in Protected areas vide F. No. 6-30/2019-WL, dated. 06.05.2022 states that

"...1.6 ACTIVITIES INSIDE ECO-SENSITIVE ZONES

*Notifications of ESZ specify the activities which are prohibited, regulated and promoted in the ESZ. Proposals for prohibited activities should not be forwarded for consideration of SCNBWL...."*

**Hence, the Committee decided not to recommend the proposal for grant of Environmental Clearance since the proposed quarry activity is prohibited within the Eco-Sensitive Zone of Nellai Wildlife Sanctuary.**

The Authority, after discussions, accepted the decision of SEAC, rejected the proposal and decided to request Member Secretary, SEIAA-TN

  
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			to grant rejection letter to proponent as per the 405 <sup>th</sup> SEAC minutes. Further, Authority decided to close and record this proposal.
2.	Proposed rough stone & gravel quarry lease over an extent of 2.39.0 Ha at S.F.No. 70/2 & 70/3 of Myleripalayam village, Madukkarai Taluk, Coimbatore District, Tamilnadu by Tvl.Sri Vetri Velavan Blue Metals – For Environmental Clearance. (SIA/TN/MIN/426688/2023)	9308	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. 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 <b>3,10,791m<sup>3</sup> of rough stone &amp; 38,618m<sup>3</sup> of gravel up to the depth of 34m below ground level and the annual peak production should not exceed 62,643m<sup>3</sup> of rough stone &amp; 24,908m<sup>3</sup> gravel.</b> This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>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.</li> </ol>

  
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			<p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;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>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 &amp; 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>
3.	Proposed Rough Stone & Gravel quarry lease over an extent of 3.55.5Ha at SF. No. 162/2, 162/3, 162/4, 162/5, 162/6 (P), 162/7A, 162/7B, 162/8(P) & 162/9(P) of Rakkathanpatti Village, Kulathur Taluk, Pudukkottai District, Tamil	10013	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.8.2023. SEAC has re-iterated its recommendation already made in 390<sup>th</sup> meeting of SEAC held on 07.07.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the</p>

  
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	<p>Nadu by Thiru. S. Anandhan- for Environmental Clearance. (SIA/TN/MIN/427881/2023)</p>	<p>safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 4,63,950m<sup>3</sup> of Rough stone and 52,546m<sup>3</sup> of Gravel to the depth of mining 40m BGL and the annual peak production should not exceed 55,000m<sup>3</sup> of Rough stone and 29,944m<sup>3</sup> of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> <li>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-</li> </ol>
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			<p>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 &amp; 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>
4.	Proposed Rough Stone & gravel quarry lease area over an extent of 2.25.5 Ha at SF. No. 209/1A (P), 209/1B (P) & 209/2 (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur District by Tmt. V Revathi - For Terms of Reference. (SIA/TN/MIN/414152/2023)	9731	<p>The authority noted that this proposal was placed for appraisal in 405<sup>th</sup> meeting of SEAC held on 31.08.2023, 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 <b>Terms of Reference (ToR) along with Public Hearing</b> 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 &amp; normal conditions in addition to the conditions in '<b>Annexure B</b>' of this minute.</p>
5.	Proposed Rough stone and Gravel quarry lease over an extent of 4.95.5Ha at SF. Nos. 202/2(P),	9633	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.8.2023. SEAC has furnished its recommendations for</p>

  
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<p>203/1 &amp; 203/2B of Pappakudi Part-1 Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu by Thiru.Konda.L.Rajakrishnan- For Environmental Clearance. (SIA/TN/MIN/409195/2022)</p>	<p>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, considering agricultural fields nearby SEIAA decided to grant Environmental Clearance for the quantity of <b>11,68,620m<sup>3</sup> of Rough stone and 42,637m<sup>3</sup> of Gravel up to the depth of mining 41m BGL and the annual peak production should not exceed 2,58,755m<sup>3</sup> of Rough stone and 27,776m<sup>3</sup> of Gravel.</b> This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes. Keeping in view of MoEF&amp;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> <p>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.</p> <p>The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</p> <p>The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p>
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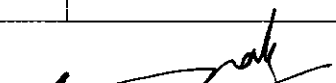
			<p>As per the OM vide F. No. IA3-22/1/2022-IA-III [E-172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH 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 &amp; 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>
6.	<p>Proposed Gravel quarry lease over an extent of 0.73.5Ha at SF.No. 285/1 of Balajanganahalli Village, Nallampalli Taluk, Dharmapuri District, Tamil Nadu by Thiru. S. Perumal - for Environmental Clearance. (SIA/TN/MIN/ 423898/2023)</p>	9950	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.8.2023. 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 <b>8,984m<sup>3</sup> of Gravel up to the depth of mining 4m BGL for one year and the annual peak production should not exceed 8,984m<sup>3</sup> of Gravel.</b></p> <p>This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p>

  
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		<ol style="list-style-type: none"><li>1. Keeping in view of MoEF&amp;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.</li><li>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.</li><li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li><li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li><li>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.</li><li>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 &amp; expenditure made under EMP should be elaborated in the bi-</li></ol>
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			annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
7.	Recommendations for releasing the Bank guarantee for the value of Rs.123.9 lakhs remitted towards Ecological remediation, Natural resources Augmentation and Community resources Augmentation under EIA Notifications dated 14.3.2017 & 08.03.2018 (violation category) for Proposed construction of Medical College Campus at Old S.F.No. 68/1, New S.F.No. 68/1, 68/3, 68/4, 68/5, 68/6, 68/7, 68/8, 68/9, 68/10 & 68/11 of Kesavarayanpettai Village, Cheyyur Taluk, Kancheepuarm District, Tamil Nadu by M/s. Adhiparasakthi Charitable Medical, Educational and Cultural Trust	1104	<p>The authority noted that this proposal was placed for appraisal in 405th meeting of SEAC held on 31.08.2023. The SEAC accepted the documents and details furnished by the project proponent and decided to recommend for release of bank guarantee to SEIAA. After detailed discussions, the Authority observed that the PP have not executed the work within the stipulated time of 6 months. The Authority found that the bank guarantee is forfeited to TNPCB.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the Authority minutes to the project proponent.</p>
8.	Existing Magnesite mine lease over an extent of 3.23.7 Ha at S.F. No. 55/1, Moongilpadi Village, Omalur Taluk, Salem District, Tamil Nadu by M/s. Sri Venkateswara Magnesite Mines - Thiru A. Kesavan – for Environmental Clearance under violation. (SIA/TN/MIN/416135/2023)	6223	<p>The authority noted that the subject was appraised in 405<sup>th</sup> SEAC meeting held on 31.08.2023. <b>Based on the documents submitted by the PP and the Sub-Committee Report</b>, SEAC noted the following</p> <ul style="list-style-type: none"> <li>• Sri Venkateswara Magnesite Mines (SVMM) is owned by Thiru A. Kesavan of Salem, Tamil Nadu. SVMM has obtained mining lease over an area of 3.23.7 Ha at S.F. No.</li> </ul>

  
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			<p>55/1 of Moongilpadi Village, Omalur Taluk, Salem District, Tamil Nadu.</p> <ul style="list-style-type: none"> <li>• The mining operation was carried out with necessary permission from 2014 to 2017. However, as per MoEF&amp;CC notification S.O. 804(E) (dated, 14.03.2017), the project falls under violation category as the mining was carried out after 15.01.2016 without Environmental Clearance. The mining operations continued till 10.01.2017 without the Environmental Clearance.</li> <li>• Subsequently, the proponent has applied for the Environmental Clearance and has been granted Terms of Reference by SEIAA-TN vide Letter No. SEIAA-TN/F.No. 6223/TOR-356/2018 (dated, 17.05.2018). Further, as per the Hon'ble High Court of Madras order dated 13.10.2017 in W.P.No. 11189 of 2017, amendment in the ToR was issued vide Letter No. SEIAA-TN/F-6223/SEAC-CXVIII/TOR-356(A)/2018 (dated, 30.07.2018).</li> <li>• As the mining activity falls under 1(a) Category B1 violation, the proponent conducted public hearing on 19.05.2022 and submitted EIA report, along with ecological damage assessment, remediation plan, natural resource augmentation plan, and community resource augmentation plan to SEIAA-TN on 01.02.2023.</li> <li>• The sub-committee constituted by SEAC-TN inspected the project site on 06.06.2023,</li> </ul>
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interacted with the proponent and the EIA coordinator.

- The sub-committee observed that:
- **While the proponent has claimed that no mining activity took place after 10.01.2017, the project site appeared as though work was going on – this could be seen from the photographs taken during the site inspection.**
- **Further, the evidence from Google Earth images (presented below) corroborates the above observation that the mining continued beyond 10.01.2017.**
- Subsequently, the PP had obtained a letter from Deputy Director, Department of Geology and Mining, Collectorate, Salem vide Roc. No. 800/2023/Mines-A dated 19.07.2023 stating that no transport permits were issued since January 2017.

**In light of the contradiction between the sub-committee observations and the letter issued by AD(Mines) with regard to the operation of the mines beyond January 2017, SEAC decided that SEIAA may obtain further clarification from Director, Geology and Mining.**

In view of the above, the Authority decided to request Member Secretary, SEIAA to obtain the following additional details.

1. SEIAA may obtain clarification from Director, Geology and Mining for the contradiction between the sub-committee observations based on the on-site inspection on 06.06.2023 and the

  
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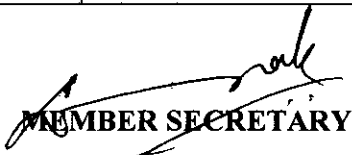
			<p>letter issued by the DD(Mines) vide Roc. No. 800/2023/Mines-A dated 19.07.2023.</p> <p>2. On review of the KML file, it was noticed that many structures are found surrounding the mining area, so the Director, Geology and Mining shall furnish details on the impact on structures due to hydraulic rock breaking / blasting during mining activity.</p>
9.	<p>Proposed Savudu (Ordinary Earth) Quarry over an Extent of 3.33.20ha (PWD Tank) in S.F.Nos.130(Part) Poovami Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by Thiru.B.Suresh Kumar - For Environmental Clearance. (SIA/TN/MIN/42107/2019)</p>	7099	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. SEAC decided to call for additional details,</p> <p>1. Since the Pulicat Bird Sanctuary is located within 10km &amp; its ESZ is yet to be notified, PP shall obtain and submit NBWL Clearance.</p> <p>On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In view of the above, the authority noted the 405<sup>th</sup> SEAC meeting held on 31.08.2023.</p>
10.	<p>Proposed Savudu (Ordinary Earth) quarry lease over an extent of 3.00.0 ha at S.F.No. 303(Part) (PWD Tank) in Akkarapakkam Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu by Thiru.G.Paulraj - For Environmental Clearance. (SIA/TN/MIN/165971/2020)</p>	7799	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>During authority meeting it was noted that the status of online proposal was found to be delisted and the PP is yet to upload the PPT in regard to the SEAC appraisal and other additional particulars such as</p>

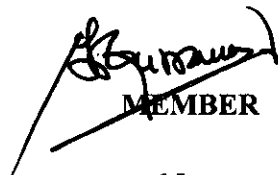
  
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			<p>AD letter, Soil test/mineral composition report from notified laboratory etc.</p> <p>In view of the above, the authority decided to defer this proposal and the authority of the view to reconsider the proposal only after resubmission of said online proposal along with additional particulars as stated above.</p>
11.	<p>Proposed Savudu (Ordinary Earth) Quarry over an Extent of 3.33.30Ha (PWD Tank) in S.F.Nos.18/1 (Part) PWD Tank of Ayanallur Village, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu by Thiru. S. Munusamy – For Environmental Clearance. (SIA/TN/MIN/165968/2020)</p>	7806	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. SEAC decided to call for additional details,</p> <p>1. Since the Pulicat Bird Sanctuary is located within 10km &amp; its ESZ is yet to be notified, PP shall obtain and submit NBWL Clearance.</p> <p>On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In view of the above, the authority noted the 405<sup>th</sup> SEAC meeting held on 31.08.2023.</p>
12.	<p>Proposed Ordinary Earth Quarry over an extent of 3.25.0 Ha at S.F.No: 155/2(part) of Thathamaji Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by Thiru.R.Udhayavel -For Environmental Clearance. (SIA/TN/MIN/148284/2023)</p>	7646	<p>The Authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details,</p> <p>1. Since the Pulicat Bird Sanctuary is located within 10km &amp; its ESZ is yet to be notified, hence the PP shall obtain and submit NBWL Clearance.</p> <p>On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to</p>

  
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			<p>submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</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 31.08.2023.</p>
13.	<p>Proposed Ordinary Earth Quarry over an extent of 3.25.0 Ha at S.F.No: 505/1(part) of Thaneerkulam Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by Thiru.A.Magesh -For Environmental Clearance. (SIA/TN/MIN/165966/2020)</p>	7800	<p>The Authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 29,250 m<sup>3</sup> of Ordinary Earth by maintaining the ultimate depth of mining of 0.9m and subject to the standard conditions as per the Annexure I of the minutes &amp; normal conditions stipulated by MOEF &amp;CC, in addition to the specific 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> <p>1. The online application vide SIA/TN/MIN/165966/2020, Dated: 31.07.2020 has been delisted in the parivesh portal. Hence, the PP shall relist the online application submitted in the Parivesh portal and upload the documents such as amendment letter as Ordinary Earth instead of Savudu obtained from the DD/mines dated:16.05.2023,</p>

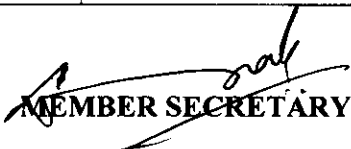
  
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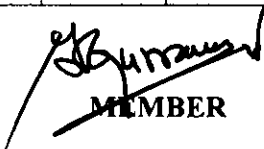
  
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			<p>WRD/PWD permission letter for the area, volume and quantity to be quarried and signed PPT.</p> <p>2. The PP shall furnish latitude and longitude of the PWD tank.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
14.	<p>Proposed Rough Stone and Gravel Quarry over an extent of 0.61.50 Ha at S.F.No. 14/1 of Sirukalambur Village, Vellore Taluk, Vellore District, Tamil Nadu by Tvl. Sri Murugan Traders, (Partner Thiru.P.Prabakaran) -For Environmental Clearance. (SIA/TN/MIN/430552/2023)</p>	10100	<p>The Authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. Based on the presentation and document furnished by the proponent, SEAC noted that the applied lease area falls under cluster mining since the total area of other existing quarries within 500m radius is more than 5 Ha. Hence the Committee directed the Proponent to withdraw this online application and PP shall apply a fresh application for obtaining Terms of Reference along with revised 500m cluster certificate indicating the status of other quarries (existing/abandoned/expired/proposed/instant) located in the cluster zone.</p> <p>Based on the above, the authority decided to accept the request for withdrawal of online proposal No. SIA/TN/MIN/430552/2023 Dated 26.05.2023 considering the proponent's request for withdrawal vide 405<sup>th</sup> SEAC meeting held on 31.08.2023.</p>
15.	<p>Proposed Ordinary Earth Quarry lease over an extent of 3.25.0 Ha at S.F.Nos. 217/1A(Part) (PWD Tank) of Sivanvoyal Village, Thiruvarur Taluk &amp; District, Tamil</p>	7647	<p>The <b>Authority noted</b> that the subject was placed in the 405<sup>th</sup> meeting of SEAC held on 31.08.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.</p>

  
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	Nadu by Thiru. R. Sakthivel,- For Environment Clearance. (SIA/TN/MIN/157859/2020)		<p>After detailed discussions, the Authority decided to call for the following additional particulars from the PP:</p> <ol style="list-style-type: none"> <li>1. The online application is still pending with the PP for want of the additional details.</li> <li>2. All the documents sought shall necessarily be uploaded online.</li> <li>3. KML file shows two locations for mine lease area. Clarify.</li> <li>4. GPS co-ordinates of all corners of the mine lease area and the PWD tank shall be marked on the KML imagery.</li> <li>5. Details of the vegetation at the project site shall be furnished.</li> </ol> <p>The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.</p>
16.	Proposed Ordinary Earth Quarry lease over an extent of 3.33.30 Ha of PWD Tank at S.F.Nos. 468 (P), Melmudalambedu Village, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu by Thiru.J.Dhanasekaran - For Environment Clearance. (SIA/TN/MIN/165964/2020)	7801	The Authority noted that the subject was placed in the 405 <sup>th</sup> meeting of SEAC held on 31.08.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
17.	Proposed Ordinary Earth Quarry lease over an extent of 3.15.0 Ha at S.F.Nos. 112 (Part), Marambedu Village, Ponneri Taluk, Thiruvallur District, Tamil Nadu by	7311	The Authority noted that the subject was placed in the 405 <sup>th</sup> meeting of SEAC held on 31.08.2023 and the SEAC noticed from the KML image file that both the blocks (Block 1 and Block 2) of the mine lease area have already been excavated without

  
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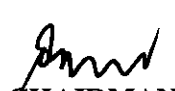
  
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	Thiru.U.Kumar - For Environment Clearance. (SIA/TN/MIN/127415/2020)		obtaining the prior EC. Hence the SEAC decided to request the SEIAA to obtain clarification from PWD in this regard.  On receipt of the details sought, the SEAC will further deliberate and decide on future course of action.  <b>The Authority decided to request the Member Secretary, SEIAA to address the Department of PWD seeking the aforesaid clarification as called by the SEAC.</b>
18.	Proposed Ordinary Earth Quarry lease over an extent of 3.17.50 Ha of PWD Tank at S.F.Nos. 193/1 (Part), Kaivandur Village, Tiruvallur Taluk, Thiruvallur District, Tamil Nadu by Thiru.S.Ramamoorthy - For Environment Clearance. (SIA/TN/MIN/136324/2020)	7766	The <b>Authority noted</b> that the subject was placed in the 405 <sup>th</sup> meeting of SEAC held on 31.08.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
19.	Proposed Ordinary Earth Quarry lease over an extent of 3.30.0 Ha at S.F.Nos. 396/(Part), Vanjivakkam Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by Thiru. V.Arjun - For Environment Clearance. (SIA/TN/MIN/39142/2020)	6989	The <b>Authority noted</b> that the subject was placed in the 405 <sup>th</sup> meeting of SEAC held on 31.08.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
20.	Proposed Ordinary Earth Quarry lease over an extent of 1.94.00 Ha of Patta land at S.F.Nos. 143/2A, 149/1B &149/2, Perilovanpatti Village, Ettaiyapuram Taluk,	6814	The Authority noted that the subject was placed in the 405 <sup>th</sup> meeting of SEAC held on 31.08.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days

  
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	Thoothukudi District, Tamil Nadu by Thiru. Krishna Kumar - For Environment Clearance. (SIA/TN/MIN/36027/2019)		failing which the proposal will be automatically delisted from the PARIVESH Portal.
21.	Proposed Ordinary Earth quarry lease over an extent of 3.25.0ha in S.F. No. 1374/1 (Part) at Voyalur-2 Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by Thiru.B. Saravanan - For Environmental Clearance. (SIA/TN/MIN/157863/2020)	7648	<p>The Authority noted that the proposal was placed in the 405<sup>th</sup> SEAC Meeting held on 31.08.2023.</p> <p>Based on the presentation and document furnished by the proponent, SEAC decided to call for additional details,</p> <p>Since the Pulicat Bird Sanctuary is located within 10km &amp; its ESZ is yet to be notified, hence the PP shall obtain and submit NBWL Clearance.</p> <p>On receipt of the above, further deliberations will be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 405<sup>th</sup> SEAC Meeting held on 31.08.2023 to the project proponent.</p>
22.	Proposed Ordinary Earth quarry lease over an extent of 3.15.0ha in S.F. No. 230 (Part) at Arumandai Village, Ponneri Taluk, Tiruvallur District, Tamil Nadu by Thiru.R. Prabu - For Environmental Clearance. (SIA/TN/MIN/162348/2020)	7802	<p>The proposal was placed in the 405<sup>th</sup> SEAC Meeting held on 31.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</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>

  
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		<p>1. The online application vide <b>SIA/TN/MIN/162348/2020</b>, <b>Dated: 07.07.2020</b> has been delisted in the Parivesh portal. Hence, the PP shall relist the online application submitted in the Parivesh portal and upload the documents such as amendment letter as Ordinary Earth instead of Savudu obtained from the DD/mines dated:16.05.2023, WRD/PWD permission letter for the area, volume and quantity to be quarried and signed PPT.</p> <p>2. The PP shall furnish the details regarding the route that will be used to transport the mined mineral from the proposed site and shall furnish the route superimposed on the google satellite imagery and the same shall be uploaded in Parivesh portal.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
23.	<p>File No: 3777</p> <p>Existing Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 &amp; 786/1 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tvl.Bannari Amman Sugars Limited - For Extension of Validity of Environmental Clearance. (SIA/TN/MIN/214898/2021)</p> <p>The authority noted that the proposal was earlier appraised in the 404<sup>th</sup> SEAC meeting held on 25.08.2023.</p> <p>Earlier, the proposal was placed in the 352<sup>nd</sup> SEAC meeting held on 08.02.2023. Based on the presentation made by the proponent and the documents furnished, the SEAC noted the following:</p> <ul style="list-style-type: none"> <li>• Previous EC was issued vide Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016 to Tvl. Bannari Amman Sugars Limited for Black Granite lease area over an extent of 4.80.5 Ha in S.F.No. 745, 780 and 786/1 at Puligunda Village,</li> </ul>	

  
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Krishnagiri Taluk, Krishnagiri District, Tamil Nadu for the production of 5299 cu.m Black Granite to a depth of 15.5m.

- MoEF&CC Notification S.O. 221(E), Dt: 18.01.2021.
- MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.
- MoEF&CCO.M. Dt: 13.12.2022.

During the meeting, the proponent stated that he had submitted proposal for extension of validity of the earlier issued EC vide Lr.No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated: 08.02.2016 as per the MoEF&CC notification dated 12.04.2022 and O.M dated 13.12.2022 and hence requested for the same.

EC obtained Date	08.02.2016
Lease Deed Registered Date: 11.12.2016	Validity of EC – 07.02.2021
Validity of Extension of EC	S.O. 221 (E) Dated: 18.01.2021 Validity of EC – 07.02.2022
Proponent applied for extension of validity of Environmental Clearance – Form – 6	08.06.2021 (Proposal No.SIA/TN/MIN/214493/2021

SEAC noted that as per OM Dated 13.12.2022, Clarification on the amendment to EIA Notification 2006 issued vide S.O. No. 1807(E) dated 12.04.2022 with regard to validity of Environment Clearance, para 2 (ii) states that...

*“The Environment Clearances for which the project proponents have submitted the application for extension of validity as per the provisions of the EIA Notification 2006 as on the date of publication of Notification i.e., 12.04.2022 shall stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above.”*

Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for ‘automatic extension to the respective increased validity’ as per the aforesaid OM issued by the MoEF& CC subject to the following commitment made by the PP.

1. As accepted by the Project Proponent the CER cost is **Rs. 2 Lakh** and the amount shall be spent towards Re-Construction of Toilets for Boys and Maintenance for Thogarapalli Government Higher Secondary School, Krishnagiri, before obtaining CTO from TNPCB.

  
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5. Subsequently, the proposal was placed in the 598<sup>th</sup> Authority meeting held on 01.03.2023. The proposal is placed in this 352<sup>nd</sup> SEAC Meeting held on 08.02.2023. Based on the presentation made by the proponent, the SEAC decided to confirm that the proposal is entitled for 'automatic extension to the respective increased validity' as per the aforesaid OM issued by the MoEF& CC.

The authority after detailed deliberation, noted that

1. The proponent had submitted a proposal for extension of validity of earlier obtained EC vide online number SIA/TN/MIN/214898/2021 dated: 11/06/2021 in Form - 6 through Parivesh Portal.
2. Further, in the additional details to be uploaded in online, the proponent had uploaded Form - 1 submitting following details as below

4	New/ Expansion/ Modernization	It is an existing quarry operating with valid Environmental Clearance vides Lr.No. SEIAA-TN/F.No.3777/EC/1 (a)/2802/2015 Dated:08.02.2016. for the Quantity of 5,749m <sup>3</sup> of Black Granite, now the proposals submitted as increase of production capacity from 5,749m <sup>3</sup> to 25,807m <sup>3</sup>
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From the above, it is ascertained that the proponent himself has accepted that there is an increase in production capacity from 5,749 cu.m to 25,807 cu.m and the proponent had applied in the column pertaining to expansion of production capacity. Hence, applicability of Notification dated: 12.04.2022 and OM clarification 13.12.2022 shall be clarified.

3. Further, in the Form - 1 uploaded by the proponent in Parivesh Portal, S.No.22

The first Scheme of Quarrying was prepared and submitted. Now this second Scheme of Quarrying is prepared and submitted for the period of 2016-17 to 2020-21 (five year).

***The Second Scheme of Mining plan was approved by the Director, Department of Geology and Mining, Guindy, Chennai Vide Letter No. 6250/MM4/2020, Dated: 21.12.2020***

Hence, from the above, it is ascertained that the validity of Scheme of Mining has expired as on Date.

4. The proponent is requested to submit certified compliance certificate (CCR) obtained from IRO, MoEF&CC.

  
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5. The proponent is requested to submit EMP including progressive mine closure plan for the life of mine.

6. Further, the proponent had obtained EC earlier vide Lr. No.SEIAA-TN/F.No.3777/EC/1(a)/2802/2015 dated:08.02.2016 for a production capacity of 5299 cu.m. Hence, the Proponent may be requested to submit details regarding the proposed and achieved quantity during the earlier obtained EC period.

Hence, the proponent may be requested to submit approved scheme of mining.

In the view of the above, SEIAA decided to refer back the proposal to SEAC to examine the above-mentioned points and furnish its recommendation to SEIAA to take further course of action.

6. Subsequently, the proposal was again placed in the 371<sup>st</sup> SEAC meeting held on 26.04.2023. During the presentation PP requested time to submit additional documents. Hence, SEAC decided to defer the proposal.

QUERY	REPLY
It is ascertained that the proponent himself has accepted that there is an increase in production capacity from 5,749 cu.m to 25,807cu.m and the proponent had applied in the column pertaining to expansion of production capacity. Hence, applicability of Notification dated: 12.04.2022 and OM clarification 13.12.2022 shall be clarified.	EC obtained – 5,299m <sup>3</sup> @ 5 % Recovery (EC letter No Letter SEIAA-TN/F.No.3777/ EC/1(a)/2802/2015) ROM Amended in EC – 1,05,965m <sup>3</sup> (EC letter No Letter SEIAA-TN/F.No.3777/ EC/1(a)/2802/Amend/2015) Achieved during the EC Scheme period – 8,060m <sup>3</sup> (7.6 % against the recovery) Presently we have submitted 3 <sup>rd</sup> Approved Scheme of Mining with an proposal of ROM of 1,17,190m <sup>3</sup> which is (10.7 % Higher then the approved ROM Request to grant EC for the ROM of 1,17,190m <sup>3</sup> . As per the OM Dated 11.04.2022 does not attracts expansion. Besides we would like also submit that we have prepared the following Documents 1. EMP has been prepared for the entire life of the mine (19 years) refer mining plan Page No. 17 2. Furnished Certified Compliance report and affidavit in Tamil 3. Valid Approved Scheme of mining for the period 2021 to 2026

  
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	<p>4. Mining Lease valid up to 2026</p> <p>5. CER as per the committee recommendations</p> <p>6. Application submitted on time for extension i.e., 11.06.2021</p> <p>7. Clarification for extension/expansion vide OM dated 11.04.2022</p> <p>8. Form 6 uploaded in the PARIVESH portal which is required for extension</p> <p>9. Compiled all the EC conditions and will ensure to do the same continuously</p> <p>as we have submitted the relevant documents necessary for the extension as per the OM dated 12.04.2022 and 11.04.2022.</p> <p>We have applied for Extension on 11.06.2021 as per the OM dated 11.04.2022 our project proposal is enhanced only 10.70% of the earlier approved Environmental Clearance (Amended ROM). Hence our project will fall under the category of extension as per the above said Notification. The document related to extension – Form – 6 is submitted in PARIVESH portal for your kind reference and records.</p>
<p>Certified Compliance report from the Competent Authority for the existing quarry</p>	<p>Certified Compliance report obtained from the MoEF &amp; CC, Chennai vide F. No. EP/12.1/2020-21/22/TN/424 Dated 22.04.2021 (Extension application submitted on 11.06.2021)</p> <p>* EC granted for the depth of 15.5m it is mentioned in CCR is about 15.75m. The variation in the 0.25m is due to the topographical condition assumption. The average depth calculated was only 15.5m</p>
<p>Valid mine plan/Scheme of mining and approval letter.</p>	<p>3rd Scheme of Mining plan has been approved by the Director, Directorate of Geology and Mining vide Letter No. 507/MM4/2022 Dated 14.03.2022 and valid up to 2026</p>

  
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The Proponent has requested to submit EMP including progressive mine closure plan for the life of mine.

EMP has been revised including mine closure plan for the life of the mine. Same has been enclosed in the following slides. Valid up to 2026 (Lease period)

Now, the proposal was again placed in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. Based on the presentation and documents furnished by the proponent and after carefully examining the reply furnished, SEAC decided to reiterate its recommendation already made in the 352<sup>nd</sup> SEAC meeting held on 08.02.2023 subject to the following condition

1. As accepted by the Project Proponent the CER cost is **Rs. 8 Lakh** and the amount shall be spent towards committed activities for Thogarapalli Government Higher Secondary School, Krishnagiri, before obtaining CTO from TNPCB.

Sl. No.	Description	CER Cost INR
1	Construction of Toilets and its maintenance	Rs.2,50,000/-
2	Painting of Classrooms	Rs.1,00,000/-
3	Providing Computer & Printer to the school	Rs.1,00,000/-
4	Providing Environmental related books to school library	Rs.20,000/-
5	Carrying out plantation in the school ground around 100Nos	Rs.30,000/-
6	Renovation of Science Lab for 11 <sup>th</sup> and 12 <sup>th</sup> Standard	Rs 3,00,000/-
<b>TOTAL</b>		<b>Rs. 8,00,000/-</b>

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 RoM - 71,022m<sup>3</sup> which includes Black Granite @ 30% - 21,307m<sup>3</sup> & Granite Waste @ 70% - 49,715m<sup>3</sup> up to the depth of 18m BGL and the annual peak production should not exceed 7394m<sup>3</sup> of granite 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 minute.

  
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	<ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>2. <b>The EC granted is valid only for Black Granite @ 30% Recovery.</b></li> <li>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.</li> <li>4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li> <li>5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> <li>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.</li> </ol>	
24.	<p>Proposed Construction of Non-High-Rise Residential Building – development by M/s. Sidharth Foundation &amp; Housing Limited at S.F.Nos. 446/1, 448/1A, 449/12B1, 450 &amp; 451/2 of Gerugambakkam Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu - For Environmental Clearance. (SIA/TN/INFRA2/422533/2023)</p>	<p>9927</p> <p>The Authority noted that the proposal was placed in the 405th SEAC Meeting held on 31.08.2023. Earlier, the proposal was placed in the 385<sup>th</sup> SEAC meeting held on 22.06.2023. Based on the presentation and documents furnished by the proponent, SEAC decided to call for additional details, as the land use data was found to be incorrect and misleading.</p> <ol style="list-style-type: none"> <li>1. The proponent shall check all the data submitted and shall revise wherever required.</li> <li>2. The EIA coordinator shall offer explanation for presenting incorrect data.</li> </ol> <p>Upon the receipt of aforesaid details, further deliberations will be done.</p> <p>Based on the reply furnished by the Project proponent to the O/o. SEIAA on 17.07.2023. The proposal was again placed in the 405<sup>th</sup> SEAC meeting held on 31.08.2023.</p>

  
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			<p>The Committee discussed the matter and recommended a grant of environmental clearance for the project proposal.</p> <p>The Authority after detailed deliberation, decided to call for additional details</p> <ol style="list-style-type: none"> <li>1. The proponent shall submit Inundation certificate obtained from PWD-TN.</li> <li>2. The proponent shall submit Height clearance "No Objection Certificate" obtained from Airports Authority of India.</li> <li>3. The proponent shall submit the water commitment letter obtained from local body/TWAD board for supply of fresh water and from CMWSSB for discharge of treated wastewater.</li> <li>4. The proponent is requested to submit a detailed report enumerating the increase in PCU in the proposed area due to the proposed site and the anticipated change in the traffic pattern. Further, the increase in vehicular emission in the vicinity due to the proposed project shall be included in the report indicating the pollutant levels before construction and expected pollutant levels during the operation phase (Post construction) and the mitigation measures to be adopted shall also be submitted.</li> </ol> <p>Upon the receipt of above mentioned details, further deliberation shall be done.</p>
25.	Proposed Rough Stone and earth quarry lease area over an extent of Extent 2.06.0 Ha at SF.No. 8/1B &	6829	The proposal was placed in the 405 <sup>th</sup> SEAC Meeting held on 31.08.2023. SEAC has furnished its recommendations for granting Environmental

  
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<p>8/2 of Thollamur Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Tvl. Sri Santhosh Blue Metals - For Environmental Clearance. (SIA/TN/MIN/416799/2023)</p>	<p>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 <b>2,89,870m<sup>3</sup></b> of rough stone up to the depth of <b>37m</b> Below ground level and the annual peak production should not exceed <b>59,935m<sup>3</sup></b> of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;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.</li> <li>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.</li> <li>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&amp;CC while seeking a renewal of the mining plan to cover the project life.</li> <li>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</li> </ol>
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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 &amp; 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>
26.	<p>Any other matters with the permission of chairman, the following was discussed</p> <p>It is the present practice to do site-inspections of certain proposals, especially in all violation cases was discussed in detail.</p> <p>SEAC, after careful examination, decided that site inspections, hereafter, shall be carried out only in rare cases where only site-inspection alone can bring out the truth regarding site</p>		The Authority Noted.

  
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	conditions. This will also enable the Committee to expedite the compliance process in accordance with the timeline prescribed by EIA Notification, 2006.		
27.	Existing Multi Colour Granite over an extent of 1.28.5 Ha at S.F. Nos. 168, 169/8A & 169/8B at Pudukkottai Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by M/s. Chindia Granites, for Environmental Clearance "Under Violation". (SIA/TN/MIN/142423/2007	6056	<p>The authority noted that the subject was appraised in the 405<sup>th</sup> SEAC meeting held on 31.08.2023. SEAC has furnished its recommendations for granting Environmental Clearance under violation subject to the conditions stated therein.</p> <p>In view of the above, the authority decided to defer the proposal and to seek following details</p> <p>a) The amount prescribed for Ecological remediation (Rs. 18,05,000), natural resource augmentation (Rs. 9,02,500) &amp; community resource augmentation (Rs. 9,02,500), totaling Rs.36,10,000/-. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 36,10,000/- in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan &amp; Community resource augmentation plan.</p> <p>b) The amount committed by the Project proponent for CER (Rs. 3 lakhs) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.</p>

  
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			<p>c) The project proponent shall submit the proof for the action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>d) The PP shall remit 100% Penalty amount imposed as per the district collector/AD mines and submit receipt before SEIAA for carrying out mining for the period 15.01.2016 to 10.01.2017 (or) more. The PP shall produce the 'No Dues Certificate' obtained from the State Government i.e. Department of Geology &amp; Mining to the SEIAA before grant of EC, if already not produced.</p> <p>e) The PP shall submit details of court case. if any.</p> <p>f) The PP shall submit copy of approved letter for the current scheme of mining plan from the Commissioner/Director of Dept. of Geology &amp; Mining.</p> <p>g) The PP shall submit copy of approved scheme of mining plan.</p>
28.	Existing Multi-Coloured Granite quarry over an extent of 2.44.0 Ha located at S.F.Nos: 411/4B (Part), Kannanallur Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s. K.A.S. Rock Exports - For Extension of validity for Environmental Clearance.	5308	The Authority noted that the subject was earlier appraised in the 378 <sup>th</sup> SEAC meeting held on 11.05.2023. During the meeting, the PP informed the Committee that he intends to withdraw this extension application and apply afresh for EC. The SEAC had agreed to defer the file for facilitating the above withdrawal of application as requested by the PP.

  
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		<p>Subsequently, the authority in its 625<sup>th</sup> Authority meeting held on 01.06.2023, after detailed discussion decided to accept the recommendation of SEAC and the proponent is directed to apply for request for withdraw through online for the proposal seeking Extension of validity of EC vide SIA/TN/MIN/298073/2023 Dt: 25.02.2023 with request letter with proper justification.</p> <p>Again, the subject was placed in the 656<sup>th</sup> Authority meeting held on 20.09.2023. The authority decided to accept the request for withdrawal of online proposal No. SIA/TN/MIN/298073/2023. Dt: 25.02.2023 considering the proponent's request for withdrawal vide online Parivesh portal.</p> <p>In view of the above, authority has decided to request the Member Secretary, SEIAA to communicate the said decision of the authority to the project proponent. Hence, the file may be closed &amp; recorded.</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

  
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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 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.

  
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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.

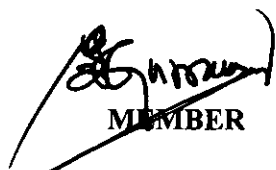
e) **Air Environment – Protection and mitigation measures**

17. The activity should not result in CO<sub>2</sub> 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.

  
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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.

**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

  
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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.
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.

  
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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.

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.

  
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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 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.

  
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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.

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.

  
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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 species 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, chemical, 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 broadcasted 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 be 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 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.,

  
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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
  - 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**

  
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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**

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.

  
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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**


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 &

  
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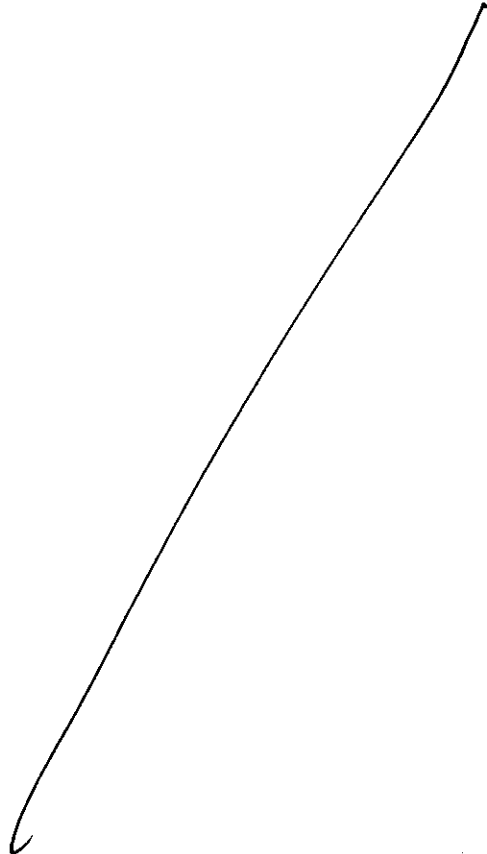
  
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around the proposed mine lease area due to the proposed method of mining activity & its related activities covering the entire mine lease period as per precise area communication order issued.

**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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