

MINUTES

595th MEETING

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

Date: 20.02.2023 & 21.02.2023

**MINUTES OF THE 595th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 20.02.2023 & 21.02.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 594 th meeting of the Authority held on 18.02.2023.		The minutes of the 594 th meeting of the Authority held on 18.02.2023 was confirmed.
b)	The Action taken on the decisions of the 594 th meeting of the Authority held on 18.02.2023.		The Member Secretary informed that 594 th Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting.
1.	Proposed Rough stone and Gravel Quarry lease over an Extent of 1.29.5 Ha (Patta land) in S.F.Nos. 46/1, 46/2, 46/3, and 46/4 at Sundakkottai Village of Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.S.K.Subba Reddiar – For Environmental Clearance.	8347	<p>The authority noted that the subject was appraised in 350th meeting of SEAC held on 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance after leaving a safety distance of 15m from the existing pit and the production quantity is 87,718 m³ of rough stone and 43,389 m³ of Gravel by restricting the depth of mining up to 31m BGL as per the mine plan approved by the Department of Geology & Mining. 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. 1807(E)</p>



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			<p>dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <p>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <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>
2.	Proposed Rough stone & Gravel quarry lease over an extent of 2.02.5ha at S.F.No.1259/3 of Sivanmalai Village, Kangayam Taluk, Tiruppur District, Tamil Nadu by Thiru. V.Maruthachalam - for Environmental Clearance.	8408	<p>The authority noted that the subject was appraised in 350th SEAC meeting held 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,68,900 m³ of Rough Stone & 11,100 m³ of Gravel and the annual peak production shall not exceed 42,450 m³ of Rough Stone & 3,700 m³ of Gravel and by restricting the depth of mining upto 34m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other</p>


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specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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 5 years 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. The project proponent shall store/dump **10,500 m³ of Weathered Gravel** generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.
6. The project proponent shall spend **EMP cost of Rs. 124.5 Lakhs** as committed for the period of 5 Years.
7. 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,

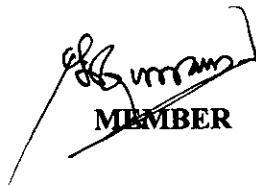

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			<p>the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the committed activities before SEAC such as 1. Construction of Toilet, 2. Providing drinking water facility with R.O water purifier, 3. providing Environmental Related Books to the school & iv) Plantation around the school compound 100 Nos. to the Panchayat Union Middle School, Sivanmalai before obtaining CTO from TNPCB.</p> <p>8. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, <i>Directorate General of Mines Safety, Chennai</i> region before obtaining CTO from TNPCB.</p>
3.	Proposed Rough stone & Gravel quarry lease over an extent of 2.58.0 Ha in, SF. Nos. 1197/1(P),1197/5,1197/6 & 1197/7 of Punnam Village, Pugalur Taluk, Karur District, Tamil Nadu by Tvl. VST Blue Metals - For Environmental Clearance.	8413	<p>The Authority noted that the subject was appraised in the 350th SEAC meeting held on 02.02.2023 and 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 189875 cu.m of Rough stone & 22365 cu.m of Gravel by restricting the depth of mining upto 38m BGL considering the safety aspects with the annual peak production shall not exceed 38885 cu.m of Rough stone & 7920 cu.m of Gravel as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC</p>


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			<p>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 PP shall utilize Topsoil/Weathered Rock for restoring site/mine closure as per mine closure plan. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years 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.
4.	Proposed Multi Colour Granite quarry over an extent of 1.76.0 Ha at S.F. No: 22/7A, 22/8, 22/9, 22/10, 39/1 & 39/3, Thonugal village, Kariyapatti Taluk,	8425	The authority noted that the subject was appraised in 350 th SEAC meeting held on 02.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.


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<p>Virudhunagar District, Tamil Nadu by Thiru. S. Thirumavalavan – For Environmental Clearance.</p>	<p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 8,586 m³ of Multi-Coloured Granite and depth up to 13 m as per the mine plan approved by the Department of Geology & Mining. 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 every 5 years 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. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste
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			generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan
5.	Proposed 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 - For Environmental Clearance.	8438	<p>The authority noted that the subject was appraised in 350th meeting of SEAC held on 02.02.2023. The Committee decided to call for the following additional particulars from the Proponent:</p> <ol style="list-style-type: none"> 1. Copy of registered lease deed of the mine lease area. 2. The EIA coordinator should submit a detailed action taken report on the queries/remarks raised by the public during public hearing on the proposed project. <p>The Authority decided to request the Member Secretary, SEIAA TN to communicate the aforesaid SEAC minutes to the Proponent.</p>
6.	Proposed Rough stone and gravel quarry over an extent of 3.11.0 Ha in S.F.No. 54/2, 54/3 of Sundakkottai Village and S.F.Nos. 70/4, 70/5A1, 70/5A2, 70/5B, 70/6, 70/7, 70/8 of Aladipatti Village, Aruppukottai Taluk, Viruthunagar District, Tamil Nadu by Tmt. R. Subashini - For Environmental Clearance.	8446	<p>The authority noted that the subject was appraised in 350th SEAC meeting held on 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,95,065 m³ of Rough Stone and 35,044 m³ of Gravel and depth up to 42m as per the mine plan approved by the Department of Geology & Mining. 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</p>


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			<p>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 5 years 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. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan
7.	Proposed Rough stone & Gravel Quarry lease over an extent of 1.96.0Ha in S.F.Nos.1258(P) of Sivanmalai Village, Kangayam Taluk, Tiruppur District, Tamil	8450	The authority noted that the subject was appraised in 350 th SEAC meeting held 02.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.



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	<p>Nadu by Thiru.K.Murugasamy - for Environmental Clearance.</p>	<p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,81,860 m³ of Rough Stone & 29,736 m³ of Gravel and the annual peak production shall not exceed 41,480 m³ of Rough Stone and by restricting the depth of mining upto 24m BGL as per the mine plan approved by the Department of Geology & Mining. 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 every 5 years 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
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			<p>environmental norms should be strictly followed as per the EMP.</p> <p>5. The project proponent shall store/dump 26,676 m³ of Weathered Gravel generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p> <p>6. The project proponent shall spend EMP cost of Rs. 266 Lakhs as committed for the period of 5Years.</p> <p>7. 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 revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the committed activities before SEAC such as i) Renovation of Existing toilet, ii) Carrying out plantation in the school ground 150 Nos., iii) Providing Environmental related books to school library, & iv) Smart class facility to the class rooms to the Panchayat Union Primary School, Ramapattinam Village, Kangayam Taluk, Tiruppur before obtaining CTO from TNPCB.</p> <p>8. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, <i>Directorate General of Mines Safety, Chennai</i> region before obtaining CTO from TNPCB.</p>
8.	Proposed Rough stone and Gravel Quarry lease over an Extent of 3.69.72 Ha in S.F. Nos. 72/2A, 72/2B, 72/3, 72/4, 72/5, 72/7,	8459	The authority noted that the subject was appraised in 350 th meeting of SEAC held on 02.02.2023. SEAC has furnished its recommendations for granting

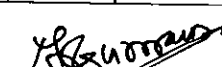

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<p>73/5A & 73/5B, 4/1A Sundakkottai & Kalyanasundarapuram Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.T.Senthivel – For Environmental Clearance.</p>		<p>Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the production quantity is 2,14,000m³ of Rough stone and 42,216 m³ of Gravel by restricting the depth of mining up to 17m BGL (2 m Gravel+15 m Rough Stone) for a period of 5 years 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 for a period of 5 years. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years 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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9.	<p>Proposed Rough stone, Jelly and Gravel Quarry lease over an Extent of 7.21.44 Ha (Patta Land) in S.F. Nos. 152/6, 151/4, 152/4B, 152/5B, 151/3, 151/1, 150/4A2, 150/4B, 150/3A, 150/3B, and 147/1C3 of Menallur Village and 121/2, 123/2A4B, 123/1A1, 123/1B, 123/1C, 123/1H, 123/1I, 123/1J, 123/2A1, 123/2A5, 123/2A6, 123/2B1, 123/2B2, 123/2A2, 123/2A3 and 123/A4A of Poonathangal Village of Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Shri Lakshmi Narayana Aggregates Private Limited- For Environmental Clearance.</p>	8480	<p>The authority noted that the subject was appraised in 350th meeting of SEAC held on 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the production quantity is 8,93,800 m3 of Rough stone and 95,868 m3 of Gravel by restricting the depth of mining up to 28 m BGL as per the mine plan approved by the Department of Geology & Mining. 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 every 5 years 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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			4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
10.	Proposed Rough Stone & Gravel Quarry lease over an extent of 1.19.0Ha in S.F.Nos.72/4 of Chinna Ulagani Village, Kallikudi Taluk, Madurai District, Tamilnadu by Thiru.K.Venkatraman - for Environmental Clearance.	8499	<p>The authority noted that the subject was appraised in 350th SEAC meeting held 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance except fifth bench of Section (XY-CD) for the quantity of 60,080 m³ of Rough Stone & 10,494 m³ of Gravel and the annual peak production shall not exceed 12,300 m³ of Rough Stone & 4514 m³ of Gravel and by restricting depth of mining upto 22m BGL as per the mine plan approved by the Department of Geology & Mining. 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


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		<p>completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <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. The project proponent shall spend EMP cost of Rs. 136.70 Lakhs as committed for the period of 5Years.\ 6. 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 revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the committed activities before SEAC such as Environmental related books to school library, ii) Plantation in school ground., iii) Toilet Facility, & iv) Paintings for buildings to the Govt. High School, Chinna Ulagani Village before obtaining CTO from TNPCB. 7. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, Directorate General of Mines Safety, Chennai region before obtaining CTO from TNPCB.
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11.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.01.0Ha in SF.No.252/2, 252/4 & 252/5, K.Pudukkottai Village, Dindigul West Taluk, Dindigul District Tamil Nadu by Tmt.C.Umarani - For Environmental Clearance.	8557	<p>The authority noted that the subject was appraised in 350th meeting of SEAC held on 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the production quantity is 59,730 m3 of Rough Stone & 28,890 m3 of Gravel by restricting the depth of mining up to 18m as per the mine plan approved by the Department of Geology & Mining. 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 every 5 years 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>
12.	Proposed Rough stone quarry lease over an extent of 3.52.0Ha at S.F.Nos. 314, 317/3 & 317/4 of Kothapulli Village, Dindigul West Taluk, Dindigul District, Tamil Nadu by Thiru. A. Jeyaraman – For Environmental Clearance.	8558	<p>The authority noted that the subject was appraised in 350th SEAC meeting held on 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 4,04,816 m³ of Rough Stone and depth up to 30 m as per the mine plan approved by the Department of Geology & Mining. 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. Restricting depth up to 30m considering Sustainable Mining Practices and the revised quantity of Rough Stone is 4,04,816 m³. 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.


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			<p>3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <p>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.</p> <p>5. 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>6. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan</p>
13.	Proposed Rough Stone quarry lease area over an extent of 2.00.0 Ha at S.F.Nos.7/1 (Part) of Veppalampatti Village, Uthangarai Taluk, Krishnagiri District, Tamil Nadu by Thiru. P. Govindasamy - For Environmental Clearance.	8565	<p>The authority noted that the subject was appraised in 350th SEAC meeting held on 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 1,71,948 m³ of Rough Stone and depth up to 30 m as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal</p>

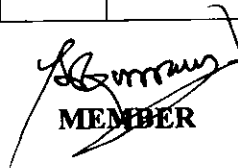

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		<p>conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Reserved Forest is located at 620m from the proposed mine lease area, there shall be no impact on the Reserved Forest. 2. The area shall be properly fenced and guarded away from stray animals. 3. Considering the goods and services to flow from the forest, the depth is restricted to 30m and quantity is 1,71,948 m³ of Rough Stone. 4. 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. 5. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 6. 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. 7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 8. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste
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			generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan
14.	Proposed Black Granite quarry Lease over an extent of 6.20.0 Ha at S.F.No. 938 (part) Bit - 1 in Sidumanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by Tvl. Perumal Granites - For Environmental Clearance	8580	<p>The authority noted that the subject was appraised in 350th SEAC meeting held on 02.02.2023. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of RoM - 47,500 cu.m which includes Recovery (@ 7%) - 3325 cu.m & Granite waste (@93%) - 44,175 cu.m by restricting the depth of mining to 26m Above ground level as per the mine plan approved by the Department of Geology & Mining. 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 every 5 years till the project life. They should also review the EC conditions to


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			<p>ensure that they have all been adhered to and implemented.</p> <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>
15.	Proposed Rough Stone quarry lease over an extent of 1.70.5Ha at S.F.No. 248/8B, 248/9, 248/10A, 248/10B, 248/11, 248/12, 249/1, 249/2, 249/3A & 249/3B of K.Pudukottai Village, Dindigul West Taluk, Dindigul District, Tamil Nadu by M/s. Premium Granites- For Environmental Clearance.	8591	<p>The Authority noted that the subject was appraised in the 350thSEAC meeting held on 02.02.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to grant Environmental Clearance for the restricted quantity of 2,75,324 cu.m of Rough stone by restricting the depth of mining upto 34m (4m AGL + 30m BGL) considering the safety aspects with the annual peak production shall not exceed 73560 cu.m of Rough stone (4thyear) as per the mine plan approved by the Department of Geology & Mining. 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. 1807(E) dated 12.04.2022, this Environmental</p>


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			<p>Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The PP shall utilize Topsoil/Weathered Rock for restoring site/mine closure as per mine closure plan. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years 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.
16.	Proposed Rough Stone & gravel quarry lease over an extent of 2.83.0 Ha at S.F.Nos. 18/1A(Part), Anjankattalai Village, Alangulam Taluk, Tenkasi District, Tamil Nadu by Thiru.S.Nizar Ahammad - For Environmental Clearance	8605	<p>The Authority noted that the subject was appraised in the 350thSEAC meeting held on 02.02.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to grant Environmental Clearance for the restricted quantity of 3,67,225 cu.m of Rough stone & 99965cu.m of Gravel by restricting the depth of mining upto 30m BGL (5m Gravel+ 25m Rough Stone) considering the safety aspects with the annual peak production shall not exceed 83600 cu.m of Rough stone (2nd year) & 39615 cu.m of</p>


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			<p>Gravel (1st year) as per the mine plan approved by the Department of Geology & Mining. 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 PP shall utilize Topsoil/Weathered Rock for restoring site/mine closure as per mine closure plan. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years 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.
17.	Proposed Rough stone & Gravel quarry lease over an extent of	8616	The Authority noted that this proposal was placed for appraisal in this 350 th meeting of SEAC held on



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	<p>2.66.0 Ha in, SF. Nos. 63/1, 64/1A, 64/3A & 64/5A of Kavundampalayam Village, Gobichettipalayam Taluk, Erode District, Tamil Nadu by Thiru.S.Kandasamy - For Environmental Clearance.</p>		<p>02.02.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein. After detailed discussion the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN stating the following reasons,</p> <ol style="list-style-type: none"> 1. As per the kml uploaded by the proponent in the online through the Parivesh portal, it is ascertained that there are many structures, Odai and agricultural lands exists within 300m radius. <p><i>As per Tamil Nadu Minor Mineral Concession Rules, 1959 under section V – Miscellaneous in para 36. General restrictions in respect of quarrying operations; (c)</i></p> <p><i>“No new layout, building plans falling within 300 metres from any quarry should be given approval by any agency unless prior clearance of the Director of Geology and Mining is obtained. On receipt of proposals for according clearance, the Director of Geology and Mining shall decide upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such “clearance”.</i></p>
18.	<p>Proposed Rough stone quarry lease over an extent of 3.30.0 Ha at S. F. No. 964 Pt, Sanamavu Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s S. V</p>	8617	<p>The Authority noted that the subject was appraised in the 350th SEAC meeting held on 03.02.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p>


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<p>Minerals- for Environmental Clearance</p>	<p>After detailed discussions, the Authority decided to grant Environmental Clearance for the restricted quantity of 4,77,258 m³ of Rough stone by restricting the depth of mining upto 41m BGL considering the safety aspects with the annual peak production shall not exceed 119003 m³ of Rough stone (1st year) as per the mine plan approved by the Department of Geology & Mining. 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. The PP shall utilize Topsoil/Weathered Rock for restoring site/mine closure as per mine closure plan. 2. The PP shall provide adequate storm water/garland drain and storm water shall be routed to the nearby waterbody after obtaining necessary prior permission from competent authority before obtaining CTO from TNPCB. 3. 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. 4. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years 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>5. 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>6. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p>
19.	Proposed of Rough Stone Quarry lease over an extent of 3.96.5Ha Patta Land in S.F.No.738 Panchakshipuram Village, Hosur Taluk, Krishnagiri District, Tamilnadu by Thiru.S.G.Anand Kumar - for Environmental Clearance.	8618	The authority noted that a public complaint Dt:02.02.2023 was received this office Dt:02.02.2023. In this regard, Authority after detailed discussion decided to refer back the proposal to SEAC for remarks & recommendation.
20.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.16.0Ha at S.F.Nos. 173/1(Part-2) at Pattakurubarapalli Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru. K. Srinivasa - For Environmental Clearance	8621	The authority noted that the subject was appraised in 350 th SEAC meeting held on 02.02.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 29,346 m³ of Rough Stone and depth up to 27 m as per the mine plan approved by the Department of Geology & Mining. 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


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			<p>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 5 years 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. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan
21.	Auto extension of validity of Environmental Clearance already issued to the mining projects based on the O.M issued by MoEF&CC vide F.No. IA3-22/28/2022-IA.III(E 181584) Dt. 13.12.2022.	C: No: 1000/2023	<p>The SEAC in its 350th SEAC meeting held on 3.2.2023. The SEAC discussed in detail and decided to send the following recommendations to SEIAA.</p> <ol style="list-style-type: none"> 1. As the validity of the Environmental Clearances, which had not expired as on the date of publication of Notification i.e.


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12/04/2022, shall stand automatically extended to respective increased validity as mentioned at para no. 1 column (C) above, SEIAA may dispose of all such proposals, if received, without referring them to SEAC, by giving an endorsement.

2. In respect of such cases which may arise in future, SEIAA may write to TNPCB to issue appropriate directions to its field offices to adhere to the above Notification and not to insist on endorsement/confirmation from SEIAA.
3. Similarly, as 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, stand automatically extended to respective increased validity as mentioned at Para no. 1 column (C) above, such cases may also be disposed of by SEIAA, without reference to SEAC, by giving an endorsement.

With the above recommendation this proposal was placed in 595th Authority meeting held on 20.2.2023 & 21.2.2023. The authority after detailed discussion and decided the following.

1. The MoEF&CC Om Dt. 13.12.2022 has clarified on the validity of various projects. Though validity of EC which had not expired on the Date of Publication of notification on 12.4.2022 stands confirmed, the increased validity shall be based on the approved mining


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			<p>plan in force and based on a case-to-case basis. The SEAC appraisal in case to case will enable Authority take appropriate decision.</p> <p>2. The MoEF&CC Notification are very clear. Further, MoEf&CC has already sent the copy of Notification and OM to all the SPCBs and other concerned authorities. Hence in case PP/Monitoring agencies like PCB are in need of clarification, they shall obtain from MoEF&CC directly.</p> <p>3. The Project submitted in PARIVESH may be appraised based on approved mining plan & validity issued. The SEAC appraisal will ensure decision making on a case-to-case basis.</p> <p>4. In case needed, clarification may be obtained from MOEF&CC on Notification Dt 12.4.2022 & Om Dt. 13.12.2022 on validity of Environmental Clearance.</p>
22.	Construction of residential complex at S.F.No. 24/1, 24/3A1A, 24/3A1B, 24/9, 24/10 & 26/3 of Sundharacholavaram Village, Poonamallee Taluk, Thiruvallur District, Tamilnadu by M/s. R.M.K Construction & Housing - For Amendment in Environmental Clearance	964	<p>The authority noted that the subject was appraised in 350th SEAC meeting held on 02.02.2023. The committee has furnished its recommendations to the authority for granting the amendment sought by PP in the EC issued earlier.</p> <p>The Authority during discussions noted that there is a discrepancy in the online application submitted by the proponent. Hence, the authority after detailed discussions decided to defer the proposal.</p>
23.	Proposed Rough stone and Gravel quarry lease over an extent of 1.00.0 ha at S.F.Nos 20/2B (Part) and 21/5C (part) Marapparai Village, Tiruchengode Taluk,	7773	<p>The authority noted that the subject was appraised in 314th meeting of SEAC held on 23.09.2022 & 328th meeting of SEAC held on 11.11.2022. SEAC has furnished its recommendations for granting</p>


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	<p>Namakkal District Tamil Nadu by Thiru. R. Paramasivam</p>	<p>Environmental Clearance subject to the conditions stated therein.</p> <p>The proposal was placed in the 573rd meeting of Authority held on 28.11.2022. After detailed discussions, the Authority decided to call for the following details from the project proponent.</p> <ol style="list-style-type: none"> 1. The Project proponent shall furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu in regard to proposed rough stone quarry lie within 300m radius from the inhabited sites and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959 before obtaining CTO from TNPCB marking a copy to this office. <p>The proponent vide letter dated 07.02.23 has furnished the copy of reply received from Director of Mine Safety, Chennai Region (addressed to the PP) wherein it is stated that</p> <p><i>“this Directorate is functioning under the Ministry of Labour & Employment, Government of India. This Directorate grants various permissions / exemptions / relaxations through online, only after the Notice of Opening is submitted in prescribed form, qualified manager is appointed and subsequently Labour Identification Number (LIN) & the mine code are obtained by the management. Further, it is to mention that the permissions are granted under different provisions of the Metalliferous Mines Regulations, 1961”</i></p> <p>After detailed discussions, the Authority taking into account the safety aspects and to ensure</p>
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			<p>sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the production quantity is 115372m³ of rough stone and 10048m³ of Gravel by restricting the depth of mining up to 42m as per the mine plan approved by the Department of Geology & Mining. 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 recommendeds 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 every 5 years 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.
24.	Proposed Rough stone and Gravel quarry over an extent of 1.00.0 Ha in S.F.No. 21/5B (P) at Marapparai	7774	The authority noted that the subject was appraised in 314 th meeting of SEAC held on 23.09.2022 & 328 th meeting of SEAC held on 11.11.2022. SEAC has


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Village, Tiruchengode Taluk,
Namakkal District, Tamil Nadu by
Thiru. K.Periyasamy- For
Environmental Clearance.

furnished its recommendations for granting
Environmental Clearance subject to the conditions
stated therein.

After detailed discussions, the Authority taking into
account the safety aspects and to ensure sustainable,
scientific and systematic mining, decided to grant
Environmental Clearance for the quantity of 1,14,385
m³of Rough Stone & 8,568 m³of Gravel and the
annual peak production shall not exceed 30,345 of
Rough Stone restricting the depth of mining upto 37m
(2m Gravel + 35m Rough Stone) as per the mine plan
approved by the Department of Geology & Mining.
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.

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 5 years 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. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, Directorate General of Mines Safety, Chennai region before obtaining CTO from TNPCB.</p>
25.	Proposed Rough stone quarry project over an extent of 1.40.0 Ha in S.F.No. 22/4 (Part) at Marapparai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by Tmt.B.Mekala- For Environmental Clearance.	8445	<p>The authority noted that the subject was appraised in 314th meeting of SEAC held on 23.09.2022 & 328th meeting of SEAC held on 11.11.2022. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The proposal was placed in the 573rd meeting of Authority held on 28.11.2022. After detailed discussions, the Authority decided to call for the following details from the project proponent.</p> <p>2. The Project proponent shall furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu in regard to proposed rough stone quarry lie within 300m radius from the inhabited sites and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959 before obtaining CTO from TNPCB marking a copy to this office.</p> <p>The proponent vide letter dated 07.02.23 has furnished the copy of reply received from Director of Mine Safety, Chennai Region (addressed to the PP) wherein it is stated that</p>


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“this Directorate is functioning under the Ministry of Labour & Employment, Government of India. This Directorate grants various permissions / exemptions / relaxations through online, only after the Notice of Opening is submitted in prescribed form, qualified manager is appointed and subsequently Labour Identification Number (LIN) & the mine code are obtained by the management. Further, it is to mention that the permissions are granted under different provisions of the Metalliferous Mines Regulations, 1961”

After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the production quantity is 86,650m³ of rough stone by restricting the depth of mining up to 46m (1m top soil + 45m Rough stone) as per the mine plan approved by the Department of Geology & Mining. 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.

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 5 years till the project life.


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			<p>They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <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>
26.	Proposed Rough stone and Gravel quarry project over an extent of 0.90.25 Ha in S.F.Nos. 176/2, 176/3 (P) & 176/11 (P) at Marapparai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by Thiru. M.Krishnan- For Environmental Clearance	8179	<p>The authority noted that the subject was appraised in 314th meeting of SEAC held on 23.09.2022 & 328th meeting of SEAC held on 11.11.2022. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The proposal was placed in the 573rd meeting of Authority held on 28.11.2022. After detailed discussions, the Authority decided to call for the following details from the project proponent.</p> <p>3. The Project proponent shall furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu in regard to proposed rough stone quarry lie within 300m radius from the inhabited sites and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR, 1959 before obtaining CTO from TNPCB marking a copy to this office.</p> <p>The proponent vide letter dated 07.02.23 has furnished the copy of reply received from Director of</p>

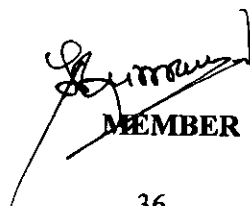

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		<p>Mine Safety, Chennai Region (addressed to the PP) wherein it is stated that</p> <p><i>“this Directorate is functioning under the Ministry of Labour & Employment, Government of India. This Directorate grants various permissions / exemptions / relaxations through online, only after the Notice of Opening is submitted in prescribed form, qualified manager is appointed and subsequently Labour Identification Number (LIN) & the mine code are obtained by the management. Further, it is to mention that the permissions are granted under different provisions of the Metalliferous Mines Regulations, 1961”</i></p> <p>After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the production quantity is 1,06,675m³ of rough stone and 3,102 m³ of Gravel by restricting the depth of mining up to 32m (2m Gravel + 30m Rough stone) below ground level as per the mine plan approved by the Department of Geology & Mining. 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. 1807(E)</p>
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			<p>dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <p>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <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>
27.	To consider the proposal for the grant of Environmental Clearance for Proposed Rough stone and Gravel quarry project over an extent of 1.16.0 Ha in S.F.No.22/2 at Marapparai Village, Tiruchengode Taluk, Namakkal District, Tamil Nadu by Thiru. S. Nandhakumar.	8268	<p>The authority noted that the subject was appraised in 314th meeting of SEAC held on 23.09.2022 & 328th meeting of SEAC held on 11.11.2022. 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 safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 34,603 m³ of Rough Stone & 2,520 m³ of Gravel and the annual peak production shall not exceed 6,983 m³ of Rough Stone & 840 m³ of Gravel and by restricting the depth of mining upto 27m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal</p>


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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.

6. 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.
7. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
8. 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.
9. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
10. The project proponent shall spend **EMP cost of Rs. 85.5 Lakhs** as committed for the period of 5 Years.
11. 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 revised CER cost is **Rs. 5 Lakhs** and the amount shall be spent for the committed activities before SEAC such as i)Construction of new toilets with overhead tank facilities, ii)


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			<p>Painting of school class rooms, iii) laying tiles to class room, iv) Avenue plantation along school boundary @ 200 Trees, v) Providing Environmental Related cartoon books, vi) Plantation at Meikal Poramboke @ 300 Trees at Marapparai Panchayath to the Panchayat Union Primary School, Somanampatti, Mallasamuthiram, Namakkal before obtaining CTO from TNPCB.</p> <p>12. The project proponent shall obtain prior permission from Director of Mine safety & Regional Inspector of Mines, <i>Directorate General of Mines Safety, Chennai</i> region before obtaining CTO from TNPCB.</p>
28.	Proposed Rough stone & Gravel quarry lease over an extent of 2.02.3 ha at S.F. Nos. 176/1A, 176/5A, 176/6A - Marapparai & 316/2B2 - Paruthipalli, Marapparai & Paruthipalli Village Tiruchengode Taluk, Namakkal District Tamil Nadu by Thiru. S.Rangasamy – For Environmental Clearance.	8312	<p>The authority noted that the subject was appraised in 314th meeting of SEAC held on 23.09.2022 & 328th meeting of SEAC held on 11.11.2022. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The proposal was placed in the 573rd meeting of Authority held on 28.11.2022. After detailed discussions, the Authority decided to call for the following details from the project proponent.</p> <p>4. The Project proponent shall furnish copy of permission obtained from Director Mines Safety, Dept. of Geology & Mining, Tamil Nadu in regard to proposed rough stone quarry lie within 300m radius from the inhabited sites and for method of mining (blasting technique) as per Rule 36 (1-A) (a) of TNMMCR,1959</p>


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before obtaining CTO from TNPCB marking a copy to this office.

The proponent vide letter dated 07.02.23 has furnished the copy of reply received from Director of Mine Safety, Chennai Region (addressed to the PP) wherein it is stated that

"this Directorate is functioning under the Ministry of Labour & Employment, Government of India. This Directorate grants various permissions / exemptions / relaxations through online, only after the Notice of Opening is submitted in prescribed form, qualified manager is appointed and subsequently Labour Identification Number (LIN) & the mine code are obtained by the management. Further, it is to mention that the permissions are granted under different provisions of the Metalliferous Mines Regulations, 1961"

After detailed discussions, the Authority taking into account the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the production quantity is 70750m³ of rough stone and 8050 m³ of Gravel by restricting the depth of mining up to 37m (2m Gravel + 35m) as per the mine plan approved by the Department of Geology & Mining. 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.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E)


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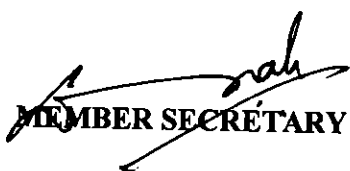
			<p>dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <p>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <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>
29.	<p>Proposed Expansion of API Manufacturing facility at S.F. No:155Pt, Plot No C-29B, SIPCOT Industrial Complex, Cheyyar Phase-II of Mathur Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Global Pharma Health Care Private Limited- For Environmental Clearance.</p>	8698	<p>The authority noted that the subject was appraised in 338th Meeting of SEAC held on 14.12.2022. Based on the presentation, document furnished and clarification given by the proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.</p> <p>Subsequently, the proposal was placed in the 583rd Authority meeting held on 10.01.2023.</p> <p>The Authority after detailed deliberation, noted that</p> <ol style="list-style-type: none"> 1. The proponent shall submit the details regarding the type of industry located within the SIPCOT. 2. The proponent shall submit if there are any Healthcare Manufacturing industries located within the SIPCOT. 3. Details regarding the people who participated in the Public Hearing meeting shall be



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		<p>furnished. Are they part of the village in which the site is located shall be clarified.</p> <ol style="list-style-type: none"> 4. The proposal involves manufacturing of Anti-Bacterial Drugs. The proponent shall submit a detailed report regarding the precautionary measures that will be taken to protect the factory workers. 5. The proponent shall submit the details regarding precautions taken to prevent effect of Bacteria into Soil, Cattle, Land etc., The failsafe that will be provided to ensure the prevention of bacteria entering into the environment. 6. The proponent shall submit the details regarding the Anti-Bacterial Resistance effects on the Factory Workers and the people in the locality. A study envisaging the effects which might lead to change in Gene Sequence of the workers and local people shall be elaborated. 7. The proponent shall submit the NOC issued by SIPCOT for permitting the manufacturing of Drugs which the unit is intending to manufacture. 8. The proponent shall submit a detailed report regarding the effects of manufacturing drugs on Soil, Flora, Fauna etc., 9. The proponent shall submit the details regarding the Disposal method adopted for disposal of the waste generated. Further, the proponent shall elaborate on the method of disposal of the waste that will be generated during manufacture of Anti-Bacterial Drugs.
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		<p>10. The proponent shall submit the details regarding the mitigation measures that will be adopted in the case of Bacterial escape from the unit and impact of Bacterial Resistance.</p> <p>Hence, upon receipt of the above-mentioned details, the proposal will be deliberated for grant of Environmental Clearance.</p> <p>Subsequently, the proponent submitted reply to the above mentioned queries on 03.02.2023. The proposal was placed for further deliberation in 595th Authority meeting held on 20.02.2023 & 21.02.2023. After detailed deliberations, the Authority accepted the recommendations of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. There shall be no human contact of Product. 2. All process must be automated. 3. All workers inside work place must be provided with helmet, goggles and nose mask with cartridges (acid/solvent/dust) and gloves. 4. Medical examination must be conducted at the time of joining and also every year. 5. Medical insurance must be provided for the workers. 6. The workers must be prevented from exposing to the drugs during drying and packing. 7. Dust extractor must be provided to mitigate the dust generated during drying or packing. 8. The Proponent shall store the raw materials within the threshold limit adhering to the guidelines of the Manufacture, Storage and
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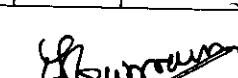

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			<p>Import of Hazardous Chemical Rules, 1989 as amended.</p> <p>9. The project proponent shall provide & maintain adequate capacity STP, ETP with MEE with condenser followed by ATFD, & APC measures with treatment & disposal arrangements & adequate storage area for raw materials/solvent/Hazardous/solid wastes, as committed in EMP adhering to the mode of disposal & discharge standards prescribed by the CPCB/TNPCB.</p> <p>10. The project proponent shall provide STP & ETP in the elevated closed area above the ground level.</p> <p>11. The project proponent shall operate & maintain the STP & ETP with MEE with condenser followed by ATFD continuously & efficiently so as to comply with the discharge standards prescribed by the CPCB/TNPCB.</p> <p>12. No untreated sewage, treated/untreated effluent shall be discharge inside & outside the project premises at any time.</p> <p>13. The project proponent shall periodically monitor treated/untreated sewage, treated/untreated effluent, Noise levels & AAQ/Stack emission/VOC through the TNPCB laboratory and shall upgrade adequate mitigation measures, safety measures & monitoring mechanism as and when recommended by the competent authority.</p> <p>14. The project proponent shall provide online/offline sensors/ analyzers for air quality parameters (AAQ/Stack emission), VOC,</p>
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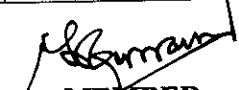

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		<p>water quality parameters (sewage/Effluent) linked up to CAC/WQW websites of CPCB/TNPCB for continuous & effective monitoring as recommended by the CPCB/TNPCB before obtaining CTO and shall periodically calibrate the said sensors/analyzers and submit report to TNPCB.</p> <p>15. The project proponent shall periodically dispose the Hazardous waste generated as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016 as amended.</p> <p>16. The project proponent shall periodically dispose the solid waste generated as per provisions of Solid waste Management Rules, 2016 as amended.</p> <p>17. The project proponent, their activities should not cause harm to the natural vegetation/water bodies and other natural resources.</p> <p>18. The project proponent shall ensure the activities should not cause any damage to the soil and natural seed banks.</p> <p>19. The project proponent shall provide medical facilities, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.</p> <p>20. The project proponent, there should be no Green House Gases (GHG) emissions. The result in temperature rise and leading to climate changes.</p> <p>21. As the plant operation involves the sensitive processing, the medical officer and the</p>
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			supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed
30.	Proposed Black granite quarry lease over an extent of 1.86.5 Ha at S.F.Nos. 408/2B, 410/1A, 420/1A, 420/1B1 & 421/2B Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu, by Tmt.Mohana Gopinath (Legal Heir) of Late.A.Gopinath (applicant) – For Environmental Clearance	8022	<p>The Authority noted that the subject was appraised in the 337th SEAC meeting held on 13.12.2022 and SEAC has Furnished its Recommendation to Authority for Granting Environmental clearance for the project subject to the conditions stated therein After Detailed discussion the Authority decided to request the Member Secretary SEIAA-TN to obtain following details and place before the Authority for the further course of action.</p> <p>1. The PP shall Furnish the Approved/valid Mining plan from Competent Authority.</p> <p>On the receipt of the above details, the Authority would further deliberate on this project and decide the further course of action.</p>
31.	Proposed Name change Amendment from Thiru. E.Logeshkumar to M/s. Arjun Associates in Existing Fireclay quarry lease over an extent of 4.50.5 Ha at S.F.Nos. 5/1A2, 5/1B, 5/1C2, 5/1D, 5/2, 5/3, 5/5, 6/11, 6/12, 6/15, 6/16, 6/17, 6/18, 6/19, 6/20 of Mangathi Village, Udayarpalayam Taluk, Ariyalur District, Tamil Nadu by M/s. Arjun Associates	9813	<p>Based on the document submitted by the project proponent, the authority after detailed discussion decided to grant name change amendment from Thiru. E.Logeshkumar to M/s. Arjun Associates subject to all the conditions stipulated vide EC Lr. No. DEIAA-ALR/F.No.272-4/G&M/2018 dated 25.07.2018 and remains unaltered 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</p>


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		<p>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 every 5 years 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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Annexure-'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).


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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.

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 and Biological diversity Rules, 2004 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

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.

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.

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.

Soil Environment – Protection and mitigation measures


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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.

Noise Environment – Protection and mitigation measures

28. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
29. 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.

Biodiversity - Protection and mitigation measures

30. 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


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be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.

31. 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.
32. 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.
33. 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.
34. 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.

Climate Change

35. The project activity should not in any way impact the climate and lead to a rise in temperature.
36. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
37. Intensive mining activity should not add to temperature rise and global warming.
38. Operations should not result in GHG releases and extra power consumption leading to Climate Change.
39. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.
40. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.
41. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.


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42. 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.

Green Belt Development

43. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.
44. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).

Workers and their protection

45. 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.
46. 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.
47. 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.

Transportation

48. 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.
49. 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


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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.

Storage of wastes

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

CER/EMP

51. The CER Should be fully Implemented and fact reflected in the Half-yearly compliance report.
52. The EMP Shall also be implemented in consultation with local self-government institutions.
53. The follow-up action on the implementation of CER Shall be included in the compliance report.

Directions for Reclamation of mine sites

54. 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.
55. 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.
56. 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


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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.

57. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
58. 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.
59. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
60. 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.
61. 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.
62. 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.
63. 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.
64. 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


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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 ecofriendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.

65. 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 plantation approach is with selected native species are planted. A blend of both methods may be resorted to restore the site by adding soil humas and mycorrhiza.
66. Action taken for restoration of the site should be specifically mentioned in the EC compliances.



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