

# **MINUTES**

## **676<sup>th</sup> MEETING**

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

**Date: 28.11.2023**

**MINUTES OF THE 676<sup>th</sup> MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY HELD ON 28.11.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 675 <sup>th</sup> meeting of the Authority held on 22.11.2023.		The minutes of the 675 <sup>th</sup> meeting of the Authority held on 22.11.2023 was confirmed.
b)	The Action taken on the decisions of the 674 <sup>th</sup> meeting of the Authority held on 22.11.2023.		The Member Secretary informed that 675 <sup>th</sup> Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Existing Rough Stone quarry over an extent of 3.95.0 Ha in SF.No. 281/2 at Chettikurichi Village, Kayathar Taluk, Thoothukudi District, Tamil Nadu by Thiru. S. Maheswaran - Environmental Clearance. (SIA/TN/MIN/421387/2023)	9899	<p>The Authority noted that the subject was placed in the 421<sup>st</sup> meeting of SEAC held on 07.11.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to <b>grant Environmental Clearance for the quantity of 599700 m<sup>3</sup> of Rough stone &amp; 121688 m<sup>3</sup> of Gravel upto the restricted depth of 46m BGL and the annual peak production should not exceed 1,29,365 m<sup>3</sup> of Rough stone and 48944 m<sup>3</sup> of Gravel as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; all other specific conditions as recommended by SEAC in addition to the following</b></p>

  
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		<p>conditions and the conditions in <b>Annexure 'A'</b> of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022. this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.</li> <li>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.</li> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> </ol>
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			<p>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
2.	Proposed Rough Stone and Gravel Quarry Project over an extent of 1.03.5 Ha at S.F.No. 648 in Edirkottai Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.S.Jacob Rajamani -	7724	The Authority noted that the subject was placed in the 421 <sup>st</sup> meeting of SEAC held on 07.11.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.

  
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for Environmental Clearance.  
(SIA/TN/MIN/ 82045 /2020)

After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to **grant Environmental Clearance for the quantity of grant Environmental Clearance for the quantity of 84368 m<sup>3</sup> of Rough stone & 7387 m<sup>3</sup> of Gravel upto the restricted depth of 24m and the annual peak production should not exceed 17230 m<sup>3</sup> of Rough stone** as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in **Annexure 'A'** of this minutes.


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 and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.

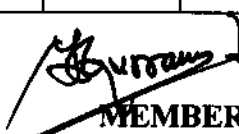
  
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		<ol style="list-style-type: none"> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</li> <li>9. The amount allocated for EMP should be kept in a separate account and both the capital and</li> </ol>
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			recurring expenditures should be done year wise for the works identified. approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
3.	Existing Rough stone and Gravel Quarry lease over an extent of 1.00.0 Ha at S.F.No.614/1B(Part) in Manjanaickenpatti village, Kadavur Taluk, Karur District, Tamil Nadu by Mr.T.Karthik - Environment Clearance. (SIA/TN/MIN/434182/2023)	10163	<p>The Authority noted that the subject was placed in the 421<sup>st</sup> meeting of SEAC held on 07.11.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to <b>grant Environmental Clearance for the quantity of 17630 m<sup>3</sup> of Rough stone &amp; 12837 m<sup>3</sup> of Gravel upto the depth of 8m BGL and the annual peak production should not exceed 3720 m<sup>3</sup> of Rough stone as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&amp;CC &amp; all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</b></p> <p>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p>

  
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		<ol style="list-style-type: none"> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.</li> <li>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.</li> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half</li> </ol>
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			<p>yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
4.	Existing Pandapuli & Thenmalai limestone mining lease over an extent of 7.55.5 Ha at S.F.No. 25/1-4, 26/2A, 2B, 26/3, 27/1A6, 29/1, 135/1, 1156/1-3, 4A Pandapuli & Thenmalai Village, Sankarankovil Taluk, Tirunelveli District by M/s. Tamil Nadu Cements Corporation Ltd, Chennai under Activity 1(a) – Mining of major mineral – ToR under violation. (SIA/TN/MIN/67784/2017)	6444	<p>The authority noted that the proposal was placed in the 421<sup>st</sup> SEAC meeting held on 08.11.2023.</p> <p>Now the proposal was again placed in 421<sup>st</sup> SEAC meeting held on 08.11.2023. Both the EIA coordinator and the project proponent were absent during the meeting. Hence the subject was not taken up for appraisal and committee decided that the project proponent shall furnish the reason for his absence.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 421<sup>st</sup> SEAC meeting held on 08.11.2023 to the project proponent.</p>

  
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5.	<p>Proposed Rough Stone and Gravel Quarry lease over an extent of 3.76.0 Ha at S.F.Nos. 480/1A, 1B, 2, 3, 484/3, 490/1A, 1B, 2B, 491/1A, 3A, 3B, 3C &amp; 4D of Pakkam Village, Madhuranthagam Taluk, Chengalpattu District, Tamil Nadu by Thiru. V. Chandran – For Environmental Clearance (SIA/TN/MIN/447354/2023)</p>	9519	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of <b>6,99,960m<sup>3</sup> of rough stone &amp; 29,613m<sup>3</sup> of gravel up to the depth of 33m below ground level and the annual peak production should not exceed 96,550m<sup>3</sup> of rough stone &amp; 10,700m<sup>3</sup> of gravel.</b> This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.</li> <li>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA,</li> </ol>
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		<p>while seeking a renewal of the mining plan to cover the project life.</p> <ol style="list-style-type: none"> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</li> </ol>
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			9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
6.	Revised application for the Proposed Rough Stone Quarry Lease over an extent of 3.38.9 Ha at S.F.Nos. 236/1A, 236/1B, 236/1C, 236/1D, 236/1E, 236/2, 236/3, 236/4, 236/5, 236/6, 236/7, 236/9, 19/3(Part), 235/9B & 235/11 of Panampatti Village, Illuppur Taluk, Pudukkottai District, Tamil Nadu by Tvl. Om Shri Vari Stones Pvt. Ltd. - For Environmental Clearance. (SIA/TN/MIN/440270/2023)	8685	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority during deliberations noted from the KML file that more than 3 water bodies are situated near the proposed project site. Hence, the Authority, after detailed discussions, decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <ul style="list-style-type: none"> <li>i) The proponent shall conduct a detailed hydrological study &amp; geomorphological study through a reputed institution and furnish the report on the same.</li> <li>ii) The proponent shall furnish details on the impact of mining on the water bodies situated near the project site, rainfall pattern and seismic disruptions.</li> <li>iii) From the KML file uploaded in the PARIVESH Portal, it is observed that the project site is covered with vegetation.</li> </ul>

  
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			<p>The proponent shall furnish details on the vegetation available in the project site.</p> <p>iv) The impact of the proposed mining activity on the soil and agriculture shall be furnished.</p> <p>v) The proponent shall furnish detailed mitigation measures for the concerns/issues raised in Public Hearing.</p>
7.	<p>Proposed Rough Stone quarry lease over an extent of 2.40.0Ha at SF.No. 232/2 (PART) of Mugalur Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. R.V Enterprises - For Environmental Clearance. (SIA/TN/MIN/448334/2023)</p>	9253	<p>The authority noted that this proposal was placed for appraisal in 421<sup>st</sup> meeting of SEAC held on 08.11.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to call for additional particulars as follows,</p> <ol style="list-style-type: none"> <li>1. The PP shall furnish scientific study on the effects of mining activities on agricultural activities - including carrot cultivation - around 1km of the proposed area by involving the Department of Environment, Tamil Nadu Agricultural University, Coimbatore.</li> <li>2. The PP shall furnish a special report on details of houses within a radius of 500 m and the damages – if any - caused by blasting activity.</li> <li>3. The PP shall submit a comprehensive report on impacts due to the mining operation carried out by the cluster of mines on the surrounding environmental settings as raised during the Public Hearing and stipulate the proper remedial actions with EMP budget allocation correspondingly.</li> <li>4. The PP shall carry out the scientific studies to assess the hydrogeological condition of the site and to submit a hydrogeological report indicating the impacts due to quarrying operation on the</li> </ol>

  
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			<p>groundwater and the required Groundwater Management Programme, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining &amp; Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus.</p> <p>5. The PP shall submit the controlled blast design for the proposed quarrying operation and the mitigation measures to eliminate the fly rock and to control the blast-induced ground / air vibrations (Noise).</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 08.11.2023.</p>
8.	Proposed Rough Stone quarry lease over an extent of 2.00.0Ha at SF.No. 86(PART-3) of Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. S.R. Enterprises - For Environmental Clearance. (SIA/TN/MIN/444263/2023)	9499	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects, and to ensure sustainable, scientific and systematic mining, SEIAA decided to grant Environmental Clearance for the quantity of 4,06,265m<sup>3</sup> of Rough stone up to the depth of mining 42m (10m AGL + 32m BGL) and the annual peak production should not exceed</p>

  
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**1,12,935m<sup>3</sup> of Rough stone.** This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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 and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months.
5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.
6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity

  
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			<p>report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
9.	Proposed Rough Stone quarry lease over an extent of 2.50.00Ha at SF.No. 86(PART-1) of Venkatesapuram Village, Shoolagiri	9506	The authority noted that the subject was appraised in the 421 <sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the

  
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Taluk. Krishnagiri District, Tamil Nadu Thiru. A. Brian Balachander - For Environmental Clearance. (SIA/TN/MIN/443517/2023)

conditions stated therein.

After detailed discussions. the Authority taking into account the recommendations of SEAC and also the safety aspects. and to ensure sustainable. scientific and systematic mining. SEIAA decided to grant Environmental Clearance for the quantity of **2,23,340m<sup>3</sup> of Rough stone up to the depth of mining 42m (12m AGL + 30m BGL) and the annual peak production should not exceed 62,515m<sup>3</sup> of Rough stone.** This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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 and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be


  
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		<p>submitted to TNPCB. SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</p> <ol style="list-style-type: none"> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</li> <li>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under</li> </ol>
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			EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
10.	Proposed Expansion of TATA Electronics Private Limited (Manufacturing & Assembly of metal case for mobile phones - 3 Lakh No's/Day) with total built-up area of 5,57,470 Sq. m located at SF. Nos: 312/1E, 312/2A, 324/1A, 324/2D, 324/2B, 324/2C, 312/2D2, 323/3, 326/1A, 327/1C, 326/1C, 311/1B, 311/1C, 312/1C, 312/2D1, 313/3F, 312/1A, 312/1B, 312/1d, 313/4A, 322/2B, 313/1E, 313/3C, 313/3D, 313/1C, 313/3B, 313/1C, 322/3A, 322/3C, 313/1A, 313/3A, 313/1B, 313/3E, 313/1F, 322/1A, 322/1B, 322/2A, 313/3G, 313/4B, 322/1D, 320/1, 320/3C, 321/1C, 320/3A, 321/1A, 322/2E, 324/2C, 320/3B, 321/1B, 320/A, 321/3, 323/1, 322/2C, 322/2D, 322/3B, 322/3E, 322/3F, 324/2A, 322/3G, 324/2B, 323/2, 324/3, 325/1A, 325/1B, 325/2, 313/1D, 326/1B, 327/1F, 326/1D, 326/1E, 327/1E, 309/2D, 316/1D, 314/3A3, 314/1B, 314/1A ,314/3A1, 315/5, 308/1A, 308/1C, 319/1B, 308/1B, 308/2, 309/1A, 309/1B, 309/2B, 309/2A,	9738	The authority noted that this proposal was placed for appraisal in 421 <sup>st</sup> meeting of SEAC held on 08.11.2023. The PP requested to defer the proposal. Hence the Committee decided to defer the proposal. In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 08.11.2023.

  
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	<p>157/3C. 157/3D. 157/3E. 158/2B2. 138/1, 137/7, 140/3, 180/4. 137/5, 139/10, 137/6, 140/7, 139/7, 172/1D. 172/2(P). 172/4A2(P), 172/4A1. 172/5B. 172/4A3. 172/6, 172/2(P). 172/4A2(P), 172/4B. 136/2, 141/2, 146/1, 144/2, 147/2, 148/2, 150/2, 137/1, 138/3, 140/1, 149/1, 151/2, 151/3, 152/3. 172/7, 174/4, 174/5, 175/2, 180/5, 181/1, 139/1, 150/4, 150/5, 140/5, 136/1A, 136/1B, 140/6, 141/3, 141/1A, 136/3A, 139/4, 139/8, 149/2, 149/3, 150/1, 149/4A, 149/4B, 150/3 of Udedurgam Village, 1241/1B,1241/1C, 1241/2B1, 1241/2B2, 1242/2B(P), 1242/3A2(P), 1238/1B2, 1238/1D, 1238/3A, 1238/3B, 1238/3C, 242/3A2(P), 124/3B2, 1246/6B, 1248/2 of Ayyaranpalli Village. Denkanikottai Taluk, Krishnagiri District, Tamil Nadu M/s. TATA Electronics Private Limited- For Environmental Clearance. (SIA/TN/INFRA2/444004/2023)</p>		
11.	<p>Proposed Rough Stone and Gravel quarry lease area over an extent of 2.60.5 Ha at S.F.Nos. 1120/2 &amp; 1121/2 of Bilichi Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by</p>	9051	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p>

  
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Tvl. Sri Rajalakshmi Samappa  
Building Materials Company - For  
Environmental Clearance.  
(SIA/TN/MIN/447082/2023)

After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,48,900 m<sup>3</sup> of Rough Stone & 40,936 m<sup>3</sup> of Gravel up to the ultimate depth of 32m (2m Gravel + 30m Rough Stone) below ground level and the annual peak production should not exceed 51,280 m<sup>3</sup> of Rough Stone and 15,360 m<sup>3</sup> of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this 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 and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be

  
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submitted to TNPCB. SEIAA & IRO of MoEF&CC once in every 6 months.

5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.
6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.
7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.
8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under

  
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			<p>EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>10. The proponent shall take mitigation measures for all the suggestions made by the Public.</p>
12.	<p>Proposed Rough Stone quarry lease area over an extent of 2.50.0 Ha (Government Poramboke land) at S.F.No. 603/1 (Part-A) of Panchakshipuram Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by M/s. S.S.V Blue Metals - For Environmental Clearance. (SIA/TN/MIN/447176/2023)</p>	9261	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of <b>3,75,930 m<sup>3</sup> of Rough Stone up to the ultimate depth of 46m (5m AGL + 41m BGL) and the annual peak production should not exceed 1,09,940 m<sup>3</sup> of Rough Stone.</b> This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also</li> </ol>

  
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during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.

3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months.
5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.
6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.
7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report

  
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			<p>submitted to TNPCB. SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022. the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>10. The proponent shall take mitigation measures for all the suggestions made by the Public.</p>
13.	<p>Proposed Rough Stone quarry lease area over an extent of 4.50.0 Ha (Government Poramboke land) at S.F.No. 88/1 (Part-3) of B.S.Thimmasandram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. A. Kumar - For Environmental Clearance.</p> <p>(SIA/TN/MIN/444180/2023)</p>	9479	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted</p>

  
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quantity of 10,16,505 m<sup>3</sup> of Rough Stone up to the ultimate depth of 51m (16m AGL + 35m BGL) and the annual peak production should not exceed 1,98,575 m<sup>3</sup> of Rough Stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

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 and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months.
5. The proponent shall strictly adhere to the mining plan and half yearly and annual

  
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returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.

6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.
7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.
8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the

  
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			<p>bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>10. The proponent shall take mitigation measures for all the suggestions made by the Public.</p>
14.	<p>Existing Rough stone &amp; Gravel quarry lease over an extent of 1.86.5Ha in S.F.No:387/A (Part), Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by Mr.K.Pooventhiran- For Environmental Clearance. (SIA/TN/MIN/434743/2023)</p>	10173	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 1,61,841 m<sup>3</sup> of Rough Stone &amp; 7072 m<sup>3</sup> of Gravel up to the ultimate depth of 45m below ground level and the annual peak production should not exceed 36,458 m<sup>3</sup> of Rough Stone and 7072 m<sup>3</sup> of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to</li> </ol>

  
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review the EC conditions and to ensure that they have all been adhered to and implemented.

3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months.
5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.
6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.
7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.
8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project

  
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			<p>Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
15.	<p>Proposal seeking Environmental Clearance for the proposed Construction of 3 Groynes (G1-800 m, G2-500 m &amp; G3 (Training Wall) at Keelavaippar Village, Vilathikulam Taluk, Thoothukkudi District by the project proponent Executive Engineer, PWD/WRD Special Project Division - Environmental Clearance. (SIA/TN/MIS/31159/2015)</p>	5993	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. Committee decided to call for the following additional details.</p> <ol style="list-style-type: none"> <li>1. As per CRZ Notification, 2011 as amended, the proposed activity attracts the provisions of para 4.2 where the project proponent must have obtained CRZ clearance from SEIAA based on the recommendations of TNCZMA. The PP should submit a written justification for their intention to withdraw their common application for EC and CRZ clearance.</li> <li>2. The proponent shall also clarify as to whether the Coastal Zone Management Plan (CZMP) as mentioned in the order dated: 23.07.2018 has been prepared and approved for the area</li> </ol>

  
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			<p>in question. If so, the details for the same shall be furnished.</p> <p>3. If the Coastal Zone Management Plan has not been approved covering the project area, whether the provisions of CRZ Notification, 2019 can be applied to the proposed project, with reference to MoEF &amp;CC's OM 07.06.2019.</p> <p>4. PP shall clearly indicate the timeline of construction of groynes, like date of starting, completion of construction, etc.</p> <p>5. PP should examine the legal implications of the Hon'ble National Green Tribunal Special Bench Order Dated: 11.04.2022 referred to above in <b>para II</b>.</p> <p>Upon receipt of the above, further deliberation shall be carried out. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In view of the above, the Authority accepted the decision of SEAC and decided to request Member Secretary, SEIAA to communicate the minutes of 421<sup>st</sup> SEAC meeting to the project proponent.</p>
16.	Proposed Multi Colour Granite Quarry over an Extent of 2.98.0 Ha at S.F.No. 568/1, 575/2 (P) & 621/2(P) of Subramaniapuram Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by M/s. Pokarna Limited -For	8024	<p>The Authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following details from the PP.</p> <p>1. The PP shall revise Chapter 13 in the EIA report dealing with Environmental</p>

  
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	<p>Environmental Clearance under Violation. (SIA/TN/MIN/447017/2023)</p>		<p>Compensation for the Violation Projects as per the CPCB guidelines.</p> <p>2. The PP shall submit a revised EMP as indicated by the Committee.</p> <p>On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 08.11.2023.</p>
17.	<p>Proposed Rough stone quarry over an extent of 1.60.0 Ha at S.F.No. 72(part) and 87/1(part) of Doripalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. S. Mahesh Kumar for Environmental Clearance. (SIA/TN/MIN/442954/2023)</p>	9442	<p>The Authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the following details from the PP.</p> <p>1. The PP shall submit the revised Mining Plan duly approved by the concerned AD (Geology &amp; Mines).</p> <p>On receipt of the above details, the SEAC would further deliberate on this project and decide the further course of action. Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.</p>

  
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			In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 08.11.2023.
18.	Proposed Rough Stone Quarry lease over an extent of 4.77.0Ha at S.F. Nos:20/1, 20/2, 270/2, 270/3, 270/4, 257/9, 257/8A & 257/10A of Panampatti Village, Illuppur Taluk, Pudukkottai District, Tamil Nadu by Tvl. Om Shri Vari Stones Pvt Ltd., – For Environmental Clearance (SIA/TN/MIN/440374/2023)	8584	<p>The authority noted that the subject was appraised in the 421<sup>st</sup> SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority during deliberations noted from the KML file that more than 3 water bodies are situated near the proposed project site. Hence, the Authority, after detailed discussions, decided to consider the proposal after obtaining the following particulars from the project proponent:</p> <p>The proponent shall conduct a detailed hydrological study &amp; geomorphological study through a reputed institution and furnish the report on the same.</p> <p>The proponent shall furnish details on the impact of mining on the water bodies situated near the project site, rainfall pattern and seismic disruptions.</p> <p>From the KML file uploaded in the PARIVESH Portal, it is observed that the project site is covered with vegetation. The proponent shall furnish details on the vegetation available in the project site.</p> <p>The impact of the proposed mining activity on the soil and agriculture shall be furnished.</p> <p>The proponent shall furnish detailed mitigation measures for the concerns/issues raised in Public Hearing.</p>
19.	Proposed Captive Resin plant with a Production Capacity of 21250	9416	The Authority noted that the subject was appraised in the 421 <sup>st</sup> SEAC meeting held on 08.11.2023. The

  
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<p>kg/day for Manufacturing of Plywood &amp; Block Boards of 4329 MT/month at S.No. 139/2A2, 139/2B, 139/3, 140/1A2, 140/1B, 140/2, 140/3, 140/4, 140/5, 140/6, 140/7, 140/8, 146/1, 146/3B &amp; 146/4 of Panchalam Village, Tindivanam Taluk, Villupuram District Tamil Nadu by M/s. HG Industries Limited (HGIL) - For Environmental Clearance. (SIA/TN/IND3/425579/2023)</p>	<p>Committee carefully examined the points raised by SEIAA and the documents and DPR submitted by the PP and noted that although the resin plant is coming up near the plywood plant it has to be treated as a separate activity. SEAC therefore, decided to reiterate its recommendation for the proposal of Resin plant with a Production Capacity of 21250 kg/day for Manufacturing of Plywood &amp; Block Boards of 4329 MT/month at S.No. 140/7 (part) &amp; 140/8 (part) of Panchalam Village, Tindivanam Taluk, Villupuram District Tamil Nadu under Category "B1" of Item 5(f) "synthetic organic chemicals" of the Schedule to the EIA Notification, 2006 by M/s. HG Industries Limited (HGIL) already made in the 406<sup>th</sup> SEAC meeting held on 01.09.2023. All other conditions stipulated in the earlier minutes will remain unaltered. After detailed discussion, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC in addition to the following condition.</p>
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1. As per the MoEF & CC Office Memorandum F. No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities as proposed in the CER and furnish the same to TNPCCB before obtaining CTE from TNPCCB.
2. Industry shall provide ETP/APC measures as committed.
3. Industry shall also operate ETP & APC measures and to provide appropriate

  
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			<p>monitoring mechanism to ensure continuous operation.</p> <ol style="list-style-type: none"> <li>4. At no point of time the Industry shall discharge treated/untreated effluent inside / outside the premises.</li> <li>5. The proponent shall ensure the zero-liquid discharge.</li> <li>6. The project proponent shall maintain the Green belt area not less than 33% of the land area all along the periphery of the unit and maximum green belt shall be maintained. Selection of plant species shall be as per the CPCB guidelines in consultation with the District Forest officer.</li> <li>7. The project proponent, their activities should not cause harm to the natural vegetation/water bodies and other natural resources.</li> <li>8. The project proponent shall ensure the activities shall not cause any damage to the soil and natural seed banks.</li> <li>9. 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.</li> <li>10. The project proponent, should ensure that there should be no Green House Gases (GHG) emissions, nor result in temperature rise leading to climate changes, due to the project activities.</li> </ol>
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20.	Proposed Rough stone & Gravel quarry lease over an extent of 1.14.9 Ha in S.F.Nos 54/1B1A, 64/4B, 64/4D & 64/5B1 in Kulasekarankottai Village, Vadipatti Taluk, Madurai District, Tamilnadu by Thiru.M.K.Annadurai – For Environmental Clearance	9695	<p>The authority noted the following:</p> <ul style="list-style-type: none"> <li>i) The subject was appraised in the 383<sup>rd</sup> SEAC meeting held on 15.06.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</li> <li>ii) The authority in it's 633<sup>rd</sup> &amp; 649<sup>th</sup> authority meeting, decided that the proponent shall furnish the NOC obtained as per para 36 (1-A) under section V of Tamil Nadu Minor Mineral Concession Rules, 1959, since structures are situated within 300m radius from the proposed project site.</li> <li>iii) The proponent vide letter dated.21.09.2023 furnished a letter obtained from Assistant Director (i/c), Dept. of Geology &amp; Mining, Madurai District. In his letter, he has stated as follows:  <i>"... The proponent may be directed to adopt the blasting methods prescribed in rule 36 (1-A) (b) of the Tamil Nadu Minor Mineral Concession Rules, 1959 and Non Electric Initiation System (NONEL), controlled blasting methods, west facing free face opencast quarrying may be suitable for conducting quarrying operations in the project area..."</i></li> </ul> <p>The authority, taking into account the letter of Assistant Director (i/c), Dept. of Geology &amp; Mining, Madurai District dated.19.06.2023 &amp; the recommendations of SEAC and also the safety</p>
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aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 42,225m<sup>3</sup> of rough stone & 13,650m<sup>3</sup> of gravel up to the depth of 22m below ground level and the annual peak production should not exceed 9450m<sup>3</sup> of rough stone & 9558m<sup>3</sup> of gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this 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 and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.
4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA & IRO of MoEF&CC once in every 6 months.

  
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5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA & IRO of MoEF&CC.
6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA & IRO of MoEF&CC.
7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&CC.
8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.
9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be

  
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			brought to the notice of concerned authorities during inspections.
21.	Proposed Earth Quarry lease over an extent of 1.45.0 Ha at S.F.No. 43/2 in Kulasekarapatti Village, Tenkasi Taluk, Tenkasi District, Tamilnadu by Thiru.M.Gandhi Selwyn - For Terms of Reference withdrawal.	9376	<p>The authority noted the following:</p> <p>i) The proponent, Thiru.M.Gandhi Selwyn submitted an application seeking Terms of Reference vide Proposal No. SIA/TN/MIN/76966/2022 dated.16.05.2022 for quarrying earth over an extent of 1.45.0 Ha at S.F.No. 43/2 in Kulasekarapatti Village, Tenkasi Taluk, Tenkasi District, Tamilnadu.</p> <p>ii) Subsequently, ToR was issued to the project proponent vide Lr.No.SEIAA-TN/F.No.9376/ToR-1278/2022 dated.08.10.2022.</p> <p>iii) Now, the proponent has submitted a request to withdraw/ cancel the ToR dated.08.10.2022 stating as follows:  “...There is no feasible for mining earth in the applied mine lease area and we are planning to modify the earlier obtained approvals like Precise area, Mining Plan, etc., So we are intended to withdraw our ToR proposal...”</p> <p>iv) The withdrawal request of proponent is placed in this 676<sup>th</sup> authority meeting.</p> <p>The authority, during deliberations felt that the proponent should have studied in detail about the feasibility of the project before filing an application for ToR. However, the authority decided to forward the request of the proponent to SEAC for seeking remarks.</p>

  
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22.	Proposed Rough stone and Gravel lease over an extent of 1.62.5 Ha at S.F.No.98/5(P) & 98/6(P) in Parapatti village, Salem South Taluk, Salem District, Tamil Nadu by Thiru S.Somasundaram - Environment Clearance. (SIA/TN/MIN/496065/2023)	10199	<p>The subject was earlier placed in the 654<sup>th</sup> meeting of Authority held on 13.09.2023. The Authority noted that the subject was appraised in 403<sup>rd</sup> meeting of SEAC held on 24.08.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to seek the following additional details from the PP:</p> <ol style="list-style-type: none"> <li>1. What are the additional safeguards to be provided to ensure sustainable mining for ten years with section plane in the field.</li> <li>2. PP shall include the extra efforts to be taken to ensure monitoring mechanism for sustainable mining in the EMP.</li> <li>3. Transport mechanism in place to ensure sustainable mining.</li> <li>4. Environment monitoring cell should be formed to oversee the mining operation.</li> <li>5. What are the reporting mechanisms in place?</li> </ol> <p>On receipt of the details sought, the Committee will deliberate further and decide on future course of action. The Authority decided to request the Member Secretary, SEIAA TN to call the details sought from the PP through PARIVESH Portal. Hence, the proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.</p> <p>The PP vide letter dated 16.11.2023 has furnished the reply. Hence the subject was taken up for discussion in this 676<sup>th</sup> meeting of Authority held on 28.11.2023. The Authority carefully examined the</p>
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reply furnished by the PP. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to **grant Environmental Clearance for the quantity of 104400 m<sup>3</sup> of Rough stone & 22120 m<sup>3</sup> of Gravel upto the depth of 22m BGL and the annual peak production should not exceed 11000 m<sup>3</sup> of Rough stone & 14416 m<sup>3</sup> of Gravel** as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in **Annexure 'A'** of this minutes.

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 and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.
3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.

  
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		<ol style="list-style-type: none"> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</li> <li>9. The amount allocated for EMP should be kept in a separate account and both the capital and</li> </ol>
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			recurring expenditures should be done year wise for the works identified. approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
23.	Expansion of Existing construction of IT buildings at MEPZ (Madras Export Processing Zone) campus at Plot No. A-15, 16, 17(Part), B20, C-1 & C-10 and D-2 in Kadaperi Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu by M/s. Cognizant Technology Solutions India Private Limited - For Environmental Clearance Under Violation. (SIA/TN/MIS/22790/2018)	6807	The subject was earlier placed in the 643 <sup>rd</sup> meeting of Authority held on 01 .08.2023. The Authority noted that the subject was placed in the 393 <sup>rd</sup> meeting of SEAC held on 20.07.2023 and the SEAC has furnished its recommendation for the <b>grant of Environmental Clearance</b> to M/s. Cognizant Technology Solutions India Private Limited for the expansion of Existing construction of IT buildings at MEPZ (Madras Export Processing Zone) campus at Plot No.A-15, 16, 17(Part), B20, C-1 & C-10 and D-2 in Kadaperi Village, Tambaram Taluk, Kancheepuram District, Tamil Nadu <b>under violation category</b> comes under the "high level ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of EC subject to the following specific conditions in addition to the normal conditions stipulated by MOEF & CC:  a. As per the MoEF&CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal

  
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Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.

- b. Accordingly, the amount prescribed for Ecological remediation, natural resource augmentation & community resource augmentation is **Rs. 479.25 Lakh**. Hence the SEAC decided to direct the project proponent to remit the amount of **Rs.479.25 Lakh** in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
- c. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of **six months**. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- d. The amount committed by the Project proponent for CER (**Rs.70.00 Lakh**) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.
- e. As per the MoEF&CC Office Memorandum F. No. 22-65/2017-IA.III dated: 30.09.2020 and

  
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20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of **Rs.70.00 Lakh** to be remitted before the issue of Environmental clearance.

- f. The project proponent shall submit the proof of action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
- g. The proponent is directed to provide the acoustic enclosure for the blowers in the existing STP before obtaining EC.
- h. The proponent shall obtain the necessary permission for disposal of excess storm water to the tank situated nearby from the competent authority.

The Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent requesting to furnish the additional details/documents sought by SEAC and place the proposal in the ensuing Authority meeting after receipt of the details.

The PP has furnished reply vide letter dated 08.11.2023. Hence the subject was taken up for discussion in this 676<sup>th</sup> meeting of Authority held on 28.11.2023. The Authority noted that the PP has informed that the works assigned under ecological damage, natural resource augmentation and community resource augmentation will be carried out till the period upto 2026. Hence the Authority

  
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			decided to refer back the subject to SEAC for furnishing remarks.
24.	Proposed Multicolour granite (Migmatite) Quarry located at S.F No.356/1A1, 356/1A2, 356/1B2, 356/3A1, 356/3A2, 357/1A1, 357/4A1, 357/4A2, 357/5A in Chendarapalli Village, Krishnagiri Taluk, Krishnagiri District by M/s. Bannari Amman Sugars Limited- for Extension of validity Environmental Clearance	3781	<p>After detailed discussions, the authority noted as follows:</p> <ol style="list-style-type: none"> <li>1. Earlier, the proposal was placed in the 313<sup>th</sup> Meeting of SEAC held on 22.09.2022. SEAC after detailed discussion confirmed that the validity of the EC issued earlier (in 2016) is (deemed to be) extended up to another one year (i.e., up to 08.02.2023).</li> <li>2. Subsequently, the proposal was placed in the 558<sup>th</sup> Authority meeting held on 10.10.2022. After detailed discussions, the Authority decided to seek following additional particulars so as to consider the issue of extension of validity of EC Lr.No.SEIAA-TN/F.No.3781/ EC/1(a)/2824/2015 dated 08.02.2016. <ol style="list-style-type: none"> <li>(i) The project proponent shall furnish copy of valid mining lease obtained from the competent authority for the period of one more year.</li> </ol> </li> <li>3. Now, the proponent vide letter dated 10.11.2023 has furnished the valid mining lease obtained from the competent authority for the period of 5 years.</li> </ol> <p>In view of the above, the authority decided to refer back the proposal to SEAC for remarks / recommendations on the proposal for extension of validity of earlier issued EC as the validity date (08.02.2023) recommended by SEAC in its 313<sup>th</sup> meeting has been expired.</p>

  
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25.	Proposed Multi Colour Granite Quarry over an extent of 2.30.0Ha at SF.No. 12/1A, 12/1B, 12/1C, 12/1D, 12/1E, 12/2A, 12/2B, 12/2C, 12/3A, 12/3B, 12/3C, 12/3D, 12/3E, 12/4A, 12/4B and 12/5A of Veeriyapalayam Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by Thiru. K. Deivendran - For Terms of Reference. (SIA/TN/MIN/430716/2023)	10272	The Authority noted that the subject was appraised in the 409 <sup>th</sup> SEAC meeting held on 21.9.2023. Earlier the Authority in its 660 <sup>th</sup> meeting held on 06.10.2023 raised ADS. The PP has now submitted reply. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) along with Public Hearing</b> under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in <b>Annexure 'B'</b> of this minutes.
26.	Proposed Rough Stone Quarry lease over an extent of 1.40.0 Ha at S.F.No. 54 (Part-3) in Soolamalai Village, Bargur Taluk, Krishnagiri District, Tamilnadu by Tmt.V.Ellammal - For Terms of Reference	9470	The authority noted the following: i) The proponent, Tmt.V.Ellammal submitted an application seeking Terms of Reference vide Proposal No. SIA/TN/MIN/83086/2022 dated.01.09.2022 for quarrying rough stone over an extent of 1.40.0 Ha at S.F.No. 54 (Part-3) in Soolamalai Village, Bargur Taluk, Krishnagiri District, Tamil Nadu. ii) Subsequently, ToR was issued to the project proponent vide Lr.No.SEIAA-TN/F.No.9470/ToR-1293/2022 dated.28.10.2022. iii) Now, the proponent has submitted a request to withdraw/surrender the ToR dated.28.10.2022 stating as follows: “...As the validity period of 3 years for calculating the total area of cluster of an abandoned quarry in the earlier cluster letter issued by Deputy Director, Geology &

  
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			<p>Mining, Krishnagiri District is completed. the total area considered for obtaining EC has been reduced to 3.40.0 Ha and the quarry proposal is coming under B2 category..."</p> <p>iv) The withdrawal request of proponent is placed in this 676<sup>th</sup> authority meeting.</p> <p>The authority, after detailed deliberations noted that there are no grounds to accept the request of the proponent. Hence, the authority decided not to accept the request of the proponent.</p>
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**Annexure 'A'**

**a) EC Compliance**

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

**b) Applicable Regulatory Frameworks**

5. The project proponent shall strictly adhere to the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity Conservation Act, 2016, the

  
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Biological Diversity Act. 2002. Biological diversity Rules. 2004 & TN Forest Act. 1882 and Rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter

**c) Safe mining Practices**

6. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
7. The AD/DD, Dept. of Geology & Mining & Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as recommended in the scientific slope stability study of the reputed research & Academic Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.
8. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures, and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

**d) Water Environment – Protection and mitigation measures**

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
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.

  
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14. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
15. Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
16. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.

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

17. The activity should not result in CO<sub>2</sub> release and temperature rise and add to micro climate alternations.
18. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.
19. The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.

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

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
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.

  
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26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.
28. Activities should not result in invasion of site by exotic and alien plant and animal species and disturb the native biodiversity and soil micro flora and fauna.

**g) Noise Environment – Protection and mitigation measures**

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

**h) Biodiversity - Protection and mitigation measures**

31. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
32. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.

  
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33. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
34. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
35. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

**i) Climate Change**

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

**j) Reserve Forests & Protected Areas**

44. The activities should provide nature based support and solutions for forest protection and wildlife conservation.
45. The project activities should not result in forest fires, encroachments or create forest fragmentation and disruption of forest corridors.
46. There should be no disturbance to the freshwater flow from the forest impacting the water table and wetlands.
47. The project proponent should support all activities of the forest department in creating awareness to local communities on forest conservation.
48. The project activities should not alter the geodiversity and geological heritage of the area.

  
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49. The activities should not result in temperature rise due to increased fossil fuels usage disrupting the behaviour of wildlife and flora.
50. The activities should support and recognise the rights and roles of indigenous people and local communities and also support sustainable development.
51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

**k) Green Belt Development**


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

**l) Workers and their protection**

55. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.
56. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
57. The workers shall be employed for working in the mines and the working hours and the wages shall be implemented/enforced as per the Mines Act, 1952.

**m) Transportation**

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

  
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Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

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

**n) Storage of wastes**

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

**o) CER/EMP**

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

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

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

**p) Directions for Reclamation of mine sites**

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

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

66. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of

  
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project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.

67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
68. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
70. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.
71. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
72. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
73. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
74. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide

  
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adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.

75. Efforts should to taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.

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

#### Annexure 'B'

#### Cluster Management Committee

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

  
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9. The committee shall deliberate on the health of the workers/staff involved in the mining as well as the health of the public.
10. The committee shall furnish an action plan to achieve sustainable development goals with reference to water, sanitation & safety.
11. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.

#### **Impact study of mining**

12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following
  - a) Soil health & soil biological, physical land chemical features .
  - b) Climate change leading to Droughts, Floods etc.
  - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
  - d) Possibilities of water contamination and impact on aquatic ecosystem health.
  - e) Agriculture, Forestry & Traditional practices.
  - f) Hydrothermal/Geothermal effect due to destruction in the Environment.
  - g) Bio-geochemical processes and its foot prints including environmental stress.
  - h) Sediment geochemistry in the surface streams.

#### **Agriculture & Agro-Biodiversity**

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

#### **Forests**

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

### **Water Environment**

23. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the entire mine lease period.
24. Erosion Control measures.
25. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.
26. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.
27. The project proponent shall study and furnish the details on potential fragmentation impact on natural environment, by the activities.
28. The project proponent shall study and furnish the impact on aquatic plants and animals in water bodies and possible scars on the landscape, damages to nearby caves, heritage site, and archaeological sites possible land form changes visual and aesthetic impacts.
29. The Terms of Reference should specifically study impact on soil health, soil erosion, the soil physical, chemical components and microbial components.
30. The Environmental Impact Assessment should study on wetlands, water bodies, rivers streams, lakes and farmer sites.

### **Energy**

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

### **Climate Change**

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

**Mine Closure Plan**

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

**EMP**

35. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.
36. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.

**Risk Assessment**

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

**Disaster Management Plan**

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

**Others**

39. The project proponent shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological sites, Structures, railway lines, roads, water bodies such as streams, odai, vaari, canal, channel, river, lake pond, tank etc.
40. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.
41. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics

  
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on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.

### Annexure 'C'

#### Climate Change

1. The proponent shall adopt strategies to decarbonize the building.
2. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials).
3. The proponent shall adopt strategies to reduce temperature including the Building Façade.
4. The proponent shall adopt methodology to control thermal environment and other shocks in the building.
5. The proponent shall adopt detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.
6. The proponent shall adopt strategies to ensure the buildings in blocks are not trapping heat to become local urban heat islands.
7. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.
8. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco-friendly and support sustainable management of the natural resources within and outside the campus premises.
9. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.

#### Health

10. The proponent shall adopt strategies to maintain the health of the inhabitants.

#### Energy

11. The proponent shall adopt strategies to reduce electricity demand and consumption.
12. The proponent shall provide provisions for automated energy efficiency.
13. The proponent shall provide provisions for controlled ventilation and lighting systems.
14. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.
15. All the construction of Buildings shall be energy efficient and conform to the green building norms. The PP shall ensure that carbon neutral building.

  
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16. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.

**Regulatory Frameworks**

17. The proponent shall adopt methodologies to effectively implement the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
18. The project proponent shall ensure to provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of wastes generated within the premises as per provisions of Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
19. The proponent shall provide elevator as per rules CMDA/DTCP.

**Database maintenance & audits**

20. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.
21. The proponent should maintain environmental audits to measure and mitigate environmental concerns.

**Biodiversity**

22. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,.
23. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.
24. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.
25. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.

  
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26. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.
27. The proponent shall adopt strategies to prevent bird hits.

**Safety measures**


28. The proponent should develop an emergency response plan in addition to the disaster management plan.
29. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan in emergencies.
30. All bio-safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.
31. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
32. The proponent shall provide the emergency exit in the buildings.
33. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.


**Water/Sewage**

34. The proponent shall ensure that no treated or untreated sewage shall be let outside the project site & shall find access to nearby water-bodies under any circumstances other than the permitted mode of disposal.
35. The proponent shall provide STP of adequate capacity as committed and shall continuously & efficiently operate STP so as to satisfy the treated sewage discharge standards prescribed by the TNPCB time to time.
36. The proponent shall periodically test the treated sewage the through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB.
37. The proponent shall periodically test the water sample for the general water quality core parameters including fecal coliform within the proposed project site through TNPCB lab /NABL accredited laboratory and submit report to the concerned authorities.
38. The proponent shall ensure that provision should be given for proper utilization of recycled water.
39. The project proponent shall adhere to storm water management plan as committed.

**Parking**

40. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.

  
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**Solid waste Management**

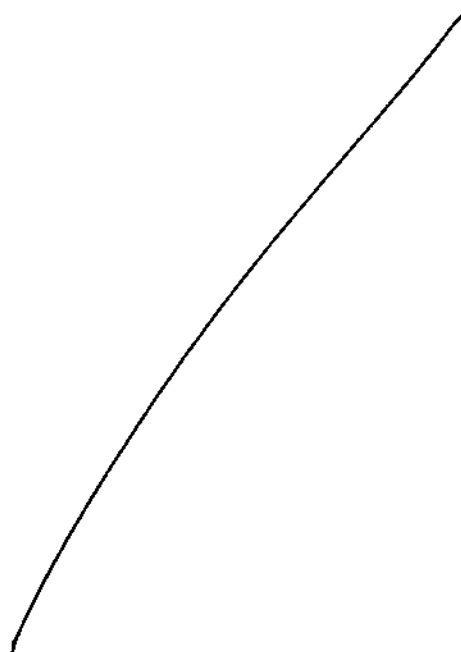
41. The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time.
42. The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.

**EMP**

43. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
44. The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.
45. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.

**Others**

46. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.
47. The project proponent shall adhere to height of the buildings as committed.



  
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