

MINUTES

684th MEETING

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

Date: 22.12.2023

**MINUTES OF THE 684th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 22.12.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 683 rd meeting of the Authority held on 21.12.2023.		The minutes of the 683 rd meeting of the Authority held on 21.12.2023 was confirmed.
b)	The Action taken on the decisions of the 683 rd meeting of the Authority held on 21.12.2023.		The Member Secretary informed that 683 rd Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Existing Black Granite Quarry lease over an extent of 1.83.5 Ha at S.F.No. 12/1(Part), 12/3(Part), 12/4(Part), 12/5, 12/6, 12/7 and 12/8, of Vengamur Village and S.F.Nos. 59/7B(Part), 59/8B(Part), 60/2 and 61/3A1 of Anumanthapuram Village, Anumanthapuram & Vengamur Villages, Vikravandi (Formerly Viluppuram) Taluk, Viluppuram District, Tamil Nadu by M/s. Mani Omega Granites Private Limited - Environment Clearance for next scheme of mining. (SIA/TN/MIN/442571/2023)	10381	The Authority noted that the subject was placed in the 427 th meeting of SEAC held on 07.12.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 16185m³ of RoM, 3237 m³ of Black Granite@ 20% recovery upto the restricted depth of 20m BGL and the annual peak production should not exceed 6120 m³ of RoM and 1224 m³ of Black Granite@ 20% recovery 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.

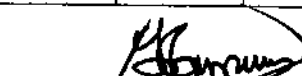

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		<ol style="list-style-type: none">1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years 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 report should be submitted every year to SEIAA & IRO of MoEF&CC.
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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 & IRO of MoEF&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 & 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 lease over an extent of 1.66.50 Ha at S.F.No.157/1B,157/3 & 164, in Perambakkam Village,	10388	The Authority noted that the subject was placed in the 427 th meeting of SEAC held on 07.12.2023 and the SEAC has called for certain additional details from the PP.


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	Cheyyur Taluk, Chengalpattu District, Tamil Nadu by Thiru. R.Yoganathan - Environment Clearance. (SIA/TN/MIN/442101/2023)		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.
3.	Existing Rough stone and Gravel lease over an extent of 1.00.0 Ha of Government Land at S.F.No.25/1(part), in Panamarathupatty Village, Salem Taluk, Salem District, Tamil Nadu by Thiru. K. Prakash – Re-appraisal of Environment Clearance issued by DEIAA. (SIA/TN/MIN/431100/2023)	10395	The Authority noted that the subject was placed in the 427th meeting of SEAC held on 07.12.2023 and the SEAC has called for certain additional details from the PP. 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.
4.	Proposed Rough stone and Gravel lease over an extent of 4.98.5 Ha at S.F.No.13/2E1, 13/2F1, 13/2G, 13/2H, 13/4, 13/5, 14/1A, 14/1B1, 14/1B2, 14/1C (P), 14/1D (P), 14/1E, 14/2A &14/2B in Mugundakiri Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by Thiru. G. Ayyadurai – For Environment Clearance. (SIA/TN/MIN/443901/2023)	10402	The Authority noted that the subject was placed in the 427 th meeting of SEAC held on 07.12.2023 and the SEAC has furnished its recommendations for the grant of Environmental Clearance to the project subject to the conditions stated therein. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects, water table and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 1104444 m³ of Rough stone, 82794 m³ of Gravel upto the restricted depth of 44m BGL and the annual peak production should not exceed 164100 m³ of Rough stone and 28116m³ 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


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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.
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.



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		<p>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.</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 & IRO of MoEF&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 & 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>
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5.	Proposed Rough stone and Gravel lease over an extent of 1.96.0 Ha at S.F.No.1172/2A3 (Part) and 1172/2B, in Punnam village Pugalur Taluk, Karur District, Tamil Nadu by Mr.K.Balasubramanian - Environment Clearance. (SIA/TN/MIN/442924/2023)	10409	<p>The Authority noted that the subject was placed in the 427th meeting of SEAC held on 07.12.2023 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, water table and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 292049 m³ of Rough stone, 31106 m³ of Gravel upto the proposed depth of 35m BGL and the annual peak production should not exceed 63065 m³ of Rough stone and 11742m³ of Gravel as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCCB 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.
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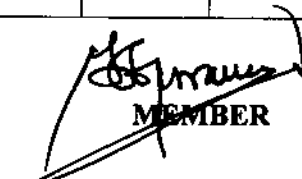

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		<ol style="list-style-type: none"> 3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining 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 TNPCCB, 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 TNPCCB, 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 TNPCCB, 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
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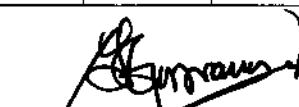

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			<p>Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective 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 & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
6.	Proposed Multi-coloured Granite Quarry lease over an extent of 2.52.42Ha at S.F.Nos.17/9A, 17/10A (Part), 17/11A, 18/9, 18/10, 18/12, 19/12A, 19/12B1 & 19/12B2 (Part) of Keelamangalam Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu by Thiru. G. Gopalakrishnan - For Terms of Reference Under violation.	10212	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. Based on the presentation and documents furnished by the PP, committee noted the following</p> <ol style="list-style-type: none"> 1. As against the depth of 7m (2m – Top Soil + 5m – Granite), the PP has mined up to 12m as stated in Mining Plan. <p>Hence, based on the above, Committee decided to treat the case as violation & decided to grant of Terms of Reference (ToR) under Violation category without Public Hearing, subject to the following ToRs, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall</p>


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be prepared as an independent chapter by the NABET accredited consultants. **The grant of Terms of Reference (ToR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P. (MD) No.11757 of 2021.**

After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant **Terms of Reference (ToR) under violation category without Public Hearing** for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal / Standard conditions in addition to the following conditions and conditions stated therein vide **Annexure 'B'**.

1. The PP shall furnish a Copy of valid mining lease approval obtained from the competent Authority.
2. The PP shall furnish Copy of mining plan approved by the competent authority of the Dept of Geology and Mining.
3. The PP shall furnish EMP for the project life including progressive mine closure plan and final mine closure plan with detailed budget plan.
4. The PP shall study in detail about the CO₂ release and temperature rise and the project activities that add to micro climate


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			<p>alternations and the same shall be included in the final EIA report.</p> <p>5. The PP shall study in detail about impact of the proposed mining activity on the water bodies and natural flow of surface and ground water and the same shall be included in the final EIA report.</p> <p>6. The PP shall study in detail about Possibilities of water contamination and impact on aquatic ecosystem health.</p> <p>7. The PP shall study the impact on Invasive Alien Species (IAP).</p>
7.	Proposed Rough Stone quarry lease over an extent of 4.94.32 Ha at SF.Nos. 314 (Part -3) of Thuppuganapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. G. Perumal - For Terms of Reference. (SIA/TN/MIN/430287/2023)	10312	<p>The authority noted that the subject was appraised in 427th SEAC meeting held on 07.12.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations, decided to recommend the proposal for the grant of Terms of Reference (ToR).</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions and the conditions mentioned in 'Annexure B' of this minute:</p>
8.	Proposed Rough Stone & Gravel quarry lease over an extent of 1.50.0 ha in S.F. No. 924/2 (P) of Thennilai West Village, Pugalur Taluk, Karur	10389	<p>The Authority noted that the proposal was placed in the 427th SEAC meeting held on 07.12.2023.</p> <p>Based on the presentation and documents furnished by the proponent, committee decided to call for</p>


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	<p>District, Tamil Nadu by Tmt. R.Gokila - For Environmental Clearance. (SIA/TN/MIN/440089/2023)</p>		<p>additional details</p> <p>1. The proponent shall revise the mining plan by removing the southern portion and make consequential changes in the section and the quantity and get it approved by the Mines department, as there is a habitation within the distance of 300 m.</p> <p>Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 427th SEAC meeting held on 07.12.2023 to the project proponent.</p>
<p>9.</p>	<p>Proposed Rough Stone & Gravel quarry lease over an extent of 2.35.50 ha in S.F. No. 1519/4, 1519/6E, 1519/8, 1519/9, 1519/10A, 1519/10B & 1519/12 of Vengadampatti Part- II Village, Alangulam Taluk, Tenkasi District, Tamil Nadu by Tmt. B.Lakshmi Rajam - For Environmental Clearance. (SIA/TN/MIN/ 444241 /2023)</p>	<p>10417</p>	<p>The Authority noted that the proposal was placed in the 427th SEAC meeting held on 07.12.2023.</p> <p>Based on the presentation and documents furnished by the proponent, committee decided to call for additional details</p> <p>1. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.</p>


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			<p>2. The proponent shall study about the school located within 500m from the mine and further PP shall furnish the details viz. Number of students studying in the school, school timings.</p> <p>3. There is a tank within 200m radius from the proposed site and hence the PP shall furnish the details regarding the ownership of the tank, Ayacut and further shall furnish the details regarding the impact on water flow and appropriate mitigation measures shall be furnished.</p> <p>4. The PP shall furnish the Certified Compliance Report obtained from IRO, MoEF&CC, Chennai.</p> <p>Hence, the Proponent is advised to submit the additional documents/information as sought above within the period of 30 days failing which your proposal will automatically get delisted from the PARIVRESH portal.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 427th SEAC meeting held on 07.12.2023 to the project proponent.</p>
10.	Proposed Quartz & Feldspar Quarry lease area over an extent of 2.02.5 Ha (Patta Land) at S.F No.2323/2 of Alampalayam Village, Dharmapuri Taluk, Tiruppur District, Tamil Nadu by M/s. Chettinad Morimura Semiconductor Material Pvt. Ltd., -	10390	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. Based on the presentation and documents furnished by the proponent, committee decided to call for additional details:</p> <p>1. The PP shall furnish the revised EMP incorporating the changes suggested by the Committee.</p>


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	For Environmental Clearance. (SIA/TN/MIN/442163/2023)		<p>2. PP shall furnish details of EC obtained for the beneficiation plant of the PP at Kazhipattur Village.</p> <p>3. The PP shall submit the details of the schools / primary health centres/hospitals for the CER provisions.</p> <p>The Authority, during deliberations noted that there are court cases pending against the proponent M/s. Chettinad Morimura Semiconductor Material Pvt. Ltd in several proposals. Hence the authority decided that in addition to the details sought by the SEAC, the PP shall also furnish the following details:</p> <p>i) The list of all court cases pending against M/s. Chettinad Morimura Semiconductor Material Pvt. Ltd including the details of their present status.</p>
11.	Proposed Rough Stone and Gravel Quarry lease area over an extent of 1.26.0 Ha at S.F No.132/2A of Pachudayampatti Village, Sendamangalam Taluk, Namakkal District, Tamil Nadu by Tmt. J. Vasuki - For Environmental Clearance. (SIA/TN/MIN/443031/2023)	10397	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. During the meeting, the Committee noted that the project proponent is absent and is not available for attending the meeting. Hence the subject was not taken up for discussion.</p> <p>The authority noted the minutes of SEAC.</p>
12.	Proposed Rough Stone Quarry lease area over an extent of 1.00.0 Ha at S.F No.328(P) (Bit-1) (Government Land) of Sevinthipatti Village, Mohanur Taluk, Namakkal District, Tamil Nadu by Thiru. N. Srinivasan	10411	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into</p>


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	<p>- For Environmental Clearance. (SIA/TN/MIN/443495/2023)</p>	<p>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 64,360m³ of rough stone up to the depth of 35m above ground level and the annual peak production should not exceed 13,315m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 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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		<p>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.</p> <p>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.</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 & IRO of MoEF&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 & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be</p>
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			brought to the notice of concerned authorities during inspections.
13.	Proposed Black Granite (Dolerite Dyke) quarry lease over an extent of 1.07.5Ha at SF.No. 511/1 of Agalakottai Village, Denkanikottai Taluk, Kancheepuram District, Tamil Nadu by Thiru.H.A.Iqbal Hussain - For Environmental Clearance. (SIA/TN/MIN/442930/2023)	10384	The authority noted that this proposal was placed for appraisal in 427 th meeting of SEAC held on 07.12.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to defer and call for additional particulars as follows, 1. The PP shall submit Certified Compliance Report obtained from the office of the IRO, MoEF& CC, Chennai and the PP shall furnish appropriate mitigating measures for the non-compliance items, if any. 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 07.12.2023.
14.	Proposed Quartz & Feldspar quarry lease over an extent of 1.20.0Ha at SF.No. 312/B1, 313/2 & 313/3A of Kodanthur North Village, Aravakurichi Taluk, Karur District, Tamil Nadu by M/s. Chettinad Morimura Semiconductor Material Pvt.Ltd - For Environmental Clearance. (SIA/TN/MIN/442256/2023)	10391	The authority noted that this proposal was placed for appraisal in 427 th meeting of SEAC held on 07.12.2023 and based on the presentation and documents furnished by the proponent, committee decided to call for additional details: 1. The PP shall furnish the revised EMP incorporating the changes suggested by the Committee. 2. PP shall furnish details of EC obtained for the beneficiation plant of the PP at Kazhipattur Village. 3. The PP shall submit the details of the schools / primary health centres/hospitals for the CER provisions. In view of the above, the authority decided that the PP shall submit,


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			(i) The PP shall furnish chronology of pending court case and details of the case.
15.	Proposed Rough Stone quarry lease over an extent of 2.00.0 Ha (Government Poramboke land) at S.F.No. 109 (Part-1) of Marandapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Sri Sai Kesava Enterprises – For Environmental Clearance. (SIA/TN/MIN/430696/2023)	10385	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. Based on the presentation and the documents furnished by the project proponent, the SEAC decided to call for the following details from the project proponent:</p> <p>i) The PP shall obtain Certified Compliance Report (CCR) from Integrated Regional Office, MoEF&CC, Chennai for the earlier Environmental Clearance obtained from DEIAA.</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 accepted the decision of SEAC and decided to request Member Secretary, SEIAA to communicate the minutes of 427th SEAC meeting to the project proponent.</p>
16.	Proposed Rough Stone and Gravel quarry lease over an extent of 2.55.62 Ha at S.F.Nos. 363/3, 363/4, 363/5, 364/1, 364/2, 364/3, 364/4, 364/5, 365/1, 366/1A, 366/2A, 367/1A, 368/1A, 368/2, 368/3, 368/4, 368/5, 368/6, 368/7 and 368/8 of Madathur Village, Alangulam	10392	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. 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</p>


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<p>Taluk, Tenkasi District, Tamil Nadu by Thiru. S. Jayalani – For Environmental Clearance. (SIA/TN/MIN/441981/2023)</p>	<p>and systematic mining, decided to grant Environmental Clearance for the quantity of 3,36,150 m³ of Rough Stone and 19,723 m³ of Gravel up to the ultimate depth of 36m (1m Gravel + 35m Rough Stone) below ground level and the annual peak production should not exceed 36,150 m³ of Rough Stone (10th year) and 7885 m³ of Gravel (1st year). This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p>
	<ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 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


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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 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


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			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.
17.	Proposed Rough Stone and Gravel quarry lease over an extent of 2.82.5 Ha at S.F.Nos. 439/1A & 439/2 of Chettikulam Village and S.F.Nos. 283/1 & 283/2 of Nattarmangalam Village, Alathur Taluk, Perambalur District, Tamil Nadu by Tmt. P. Ranjanaa Devi – For Environmental Clearance. (SIA/TN/MIN/443743/2023)	10399	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. 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 3,29,180 m³ of Rough Stone and 37,172 m³ of Gravel up to the ultimate depth of 40m below ground level and the annual peak production should not exceed 48,945 m³ of Rough Stone (4th year) and 14,080 m³ of Gravel (3rd year). This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.

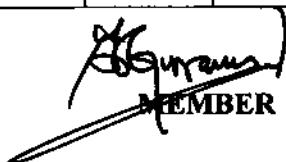

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| | | <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions 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 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 |
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			<p>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.</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 & 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>
18.	Proposed Rough Stone and Gravel quarry lease over an extent of 2.53.0 Ha at S.F.Nos. 145/2B, 147/1A, 147/1B, 147/1C, 147/1D, 147/1E, 147/2, 147/3A, 147/3B, 147/3C and 263/10 of Soundariyapuram Village, Cheyyar Taluk, Thiruvannamalai District, Tamil Nadu by Thiru. M.	10413	<p>The authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. 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</p>


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<p>Veerapandi – For Environmental Clearance. (SIA/TN/MIN/444432/2023)</p>	<p>Environmental Clearance for the quantity of 80,270 m³ of Rough Stone and 16,678 m³ of Gravel up to the ultimate depth of 27m below ground level (2m Gravel + 25m Rough Stone) and the annual peak production should not exceed 18,700 m³ of Rough Stone (4th year) and 7920 m³ of Gravel (1st year). This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 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


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			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.
19.	Proposed Rough Stone and Gravel Quarry over an extent of 2.00.0 Ha at S.F.Nos.263/A1 (Part), 263/A2 (Part) & 263/B (Part) of Munnur Village, Pugalur Taluk, Karur District, Tamil Nadu by Thiru.S.Ragunathan -For Environmental Clearance. (SIA/TN/MIN/443078/2023)	10387	<p>The Authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,06,294 m³ of rough stone & 26,276 m³ of Gravel up to the depth of 35m and the annual peak production should not exceed 51,156m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to


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			<p>ensure that they have all been adhered to and implemented.</p> <ol style="list-style-type: none"> 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.
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			<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 & 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>
20.	<p>Proposed Multi Colour Granite Quarry over an extent of 4.95.0 Ha at S.F.Nos.73/1, 73/5A (p), 76/1A, 76/1B, 76/1C, 76/2 & 77/1 of Kilakaduvetti Village, Nanguneri Taluk, Tirunelveli District, Tamil Nadu by M/s. VIBGYOR Minerals Pvt Ltd -For Environmental Clearance. (SLA/TN/MIN/443631/2023)</p>	10394	<p>The Authority noted that the subject was appraised in the 427th SEAC meeting held on 07.12.2023. Based on the presentation and document furnished by the project proponent, SEAC noted that, the Kalakad Mundanthurai Tiger Reserve is located at a distance of 8.0 km and hence the PP shall obtain NBWL clearance, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022.</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</p>


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			<p>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 07.12.2023.</p>
21.	<p>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 (SLA/TN/MIN/440374/2023)</p>	8584	<p>The authority noted that the subject was earlier appraised in the 421st SEAC meeting held on 08.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. Subsequently, this subject was placed in the 676th Authority meeting held on 28.11.2023. After detailed discussions, the Authority decided to obtain additional details stated therein for further course of action. Now, the PP has submitted a reply vide letter dated:22.12.2023. The reply was placed in the 681st authority meeting held on 22.12.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 4,59,305m³ of rough stone up to the depth of 40m and the annual peak production should not exceed 1,09,580m³ of rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E)</p>


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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 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


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			<p>progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA & IRO of MoEF&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 & 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>
22.	<p>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</p>	8685	<p>Earlier, the subject was placed in the 676th authority meeting held on 28.11.2023 the authority noted that the subject was appraised in the 421st 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</p>

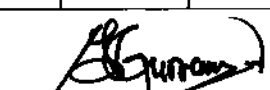

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<p>Environmental Clearance. (SIA/TN/MIN/440270/2023)</p>	<p>proposal after obtaining the following particulars from the project proponent:</p> <ul style="list-style-type: none"> i) The proponent shall conduct a detailed hydrological study & geomorphological study through a reputed institution and furnish the report on the same. 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. iii) 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. iv) The impact of the proposed mining activity on the soil and agriculture shall be furnished. v) The proponent shall furnish detailed mitigation measures for the concerns/issues raised in Public Hearing. <p>The proponent, vide letter dated.22.12.2023 submitted a reply to the details requested in the 676th authority meeting.</p> <p>The Authority after examining the reply/details furnished by the proponent and also taking into account the recommendations of SEAC, the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 3,59,525m³ of rough stone up to the depth of 35m below ground level and the annual peak production should not exceed 78,915m³ of rough stone. The EC issued is subject to the conditions imposed by SEAC, normal</p>
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		<p>conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 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 activities should not in any way impact the water table and the water bodies situated around the project site. 4. The proponent shall develop the proposed greenbelt only by using fast growing native indigenous species. 5. The proponent should strictly adhere to the mitigation measures as committed by him/her in the letter dated.22.12.2023. 6. 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. 7. 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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| | | <p>8. 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.</p> <p>9. 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.</p> <p>10. 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.</p> <p>11. 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>12. 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</p> |
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			brought to the notice of concerned authorities during inspections.
23.	Amendment of Environmental Clearance for the proposed construction of 1200 slum tenements at Kargil Nagar at T.S.No.1/1 & 3/1 (Old S.F. No:618/G) of Kargil Nagar, Thiruvottiyur Village, Thiruvottiyur Taluk, Thiruvallur District, Tamil Nadu by M/s. Tamil Nadu Slum Clearance Board.	6651	<p>The Authority noted that in 390th meeting of SEAC held on 07.07.2023. SEAC has furnished its recommendations for granting Environmental Clearance under violation category subject to the conditions stated therein.</p> <p>Subsequently, the authority in the 640th Authority meeting held on 19.07.2023 decided to defer the proposal and to seek certain details stated therein.</p> <p>In this connection, the PP has furnished reply Dt: 07.12.2023 and the proposal was placed in the 684th Authority meeting held on 22.12.2023.</p> <p>In this regard, the authority observed that the PP has not furnished certain documents. Hence, the authority decided to defer this proposal for wantoff additional particulars</p> <p>a) The project proponent shall submit the proof of amount spent on CER Rs. 40 Lakhs as per SEAC condition.</p> <p>b) The project proponent shall submit the proof for the action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p>
24.	Proposed Ordinary stone and Gravel quarry project over an extent of 0.70.93 Ha (Patta Land) at S.F. No:2/1B (P) & 2/4A (P) Patta land of Anjagoundanpatti Village,	10393	The authority noted that in the 416 th SEAC meeting held on 13.10.2023, SEAC decided to grant Terms of Reference (ToR) along with Public Hearing subject to the conditions stated therein.



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<p>Aravakuruchi Taluk, Karur District by Thiru. P. Prabhakaran - For Terms of Reference. (SIA/TN/MIN/442105/2023)</p>		<p>Subsequently, the authority during the 670th authority meeting held on 06.11.2023 decided to defer and to call for additional particulars as follows</p> <ol style="list-style-type: none"> 1. The proponent shall furnish registered land deed/lease agreement for all the Survey nos. of the proposed mining lease area. <p>Now the proponent has furnished reply Dt: 27.11.2023 along with copy of registered land lease documents and requested for Terms of Reference (ToR) at the earliest.</p> <p>In this connection, the proposal was placed in the 684th Authority meeting held on 22.12.2023 and the authority after detailed discussion accepts the recommendation of the SEAC in 416th SEAC meeting held on 13.10.2023 and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions & the conditions mentioned in 'Annexure B' of this minutes.</p>
<p>25. Existing Grey Granite Quarry lease over an extent of 1.05.5Ha S.F.No.840/1 (Part), Sonarahalli Village, Pochampalli Taluk, Krishnagiri District by Thiru. K. P. Lakshmanan - For Terms of Reference.</p>	<p>10050</p>	<p>The authority noted that in 391st meeting of SEAC held on 13.07.2023 during presentation EIA coordinator and the PP stated that they intend to withdraw of the proposal and to apply for EC as B2 category proposal. Under this circumstances SEAC, without examining the proposal, decided to request SEIAA to consider the request for withdrawal of this proposal as and when received.</p>


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			<p>Subsequently, the authority in 641th Authority meeting held on 27.07.2023 noted that the PP has not given withdraw request vide online (Parivesh Portal) and the authority decided to call for justification for the withdrawal request committed before SEAC.</p> <p>In this connection, the PP has furnished reply Dt: 27.11.2023 and the proposal was placed in the 684th Authority meeting held on 22.12.2023. The authority noted that the proponent has made request for withdraw vide online for proposal no. SIA/TN/MIN/429268/2023 Dt:18.05.2023</p> <p>In view of the above, the authority after detailed discussion decided to referback this proposal for specific recommendation of SEAC on the PP request for withdraw.</p>
26.	Existing Rough Stone Quarry lease over an extent of 4.54.0Ha S.F.Nos.1093/A1 (Part) & 1093/A2(Part), Thennilai West Village, Aravakurichi Taluk, Karur District by M/s. Sri Ganesh Murugan Blue Metal - For Terms of Reference. (SIA/TN/MIN/433495/2023)	10155	<p>The authority noted that in 394th SEAC meeting held on 21.07.2023, SEAC decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions stated therein.</p> <p>Subsequently, the authority during the 645th Authority meeting held on 07.08.2023 noted that the PP has submitted Ir. Dt: 21.07.2023 regarding request for withdraw for this proposal seeking ToR for the reasons stated therein.</p> <p>In this connection, the proponent has not submitted request for withdraw vide online and SEIAA after detailed discussion decided to call for additional particulars</p>



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			<p>a) PP shall furnish justification for request for withdraw and action plan for non-compliance mentioned in the CCR dt:12.01.2023.</p> <p>Now the proponent has furnished justification Dt: 27.11.2023 for the request for withdraw made by PP and submitted request for withdraw vide online proposal no. SIA/TN/MIN/433495/2023 dt:20.06.2023 and the proposal was placed in the 684th Authority meeting held on 22.12.2023.</p> <p>In view of the above, the authority after detailed discussion decided to referback this proposal for specific recommendation of SEAC on the PP request for withdraw.</p>
27.	<p>Proposed Rough stone Quarry lease over an extent of 3.61.0Ha S.F.Nos.1196/1A, 1196/1B (Part) & 1197/12A (Part), Punnam Village, Pugalur Taluk, Karur District by M/s.V.S.T Blue Metals - For Terms of Reference. (SIA/TN/MIN/431189/2023)</p>	10149	<p>The authority noted that in 394th meeting of SEAC held on 21.07.2023, During the presentation, proponent stated his intention to withdraw the proposal. Hence, SEIAA may accept the request of withdrawal as and when received from the PP.</p> <p>Subsequently, the authority in 645th Authority meeting held on 08.08.2023 noted that the PP has submitted lr. Dt: 21.07.2023 regarding request for withdraw for the proposal seeking ToR for the reasons stated therein and the proponent has not submitted request for withdraw vide online as reported before SEAC and SEIAA after detailed discussion decided to call for additional particulars PP shall furnish justification for request for withdraw and action plan for non-compliance mentioned in the CCR dt:31.10.2022.</p> <p>In this connection, the PP has furnished reply Dt: 27.11.2023 and the proposal was placed in the 684th Authority meeting held on 22.12.2023. The authority</p>


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			<p>noted that the proponent has made request for withdraw vide online for proposal no. SIA/TN/MIN/431189/2023 Dt:27.05.2023</p> <p>In view of the above, the authority after detailed discussion decided to referback this proposal for specific recommendation of SEAC on the PP request for withdraw.</p>
28.	<p>Proposed Rough Stone Quarry (Government Land) lease over an extent of 0.71.0Ha S.F.No.4/1, Ganapathipatti Village, Harur Taluk, Dharmapuri District by M/s. Sri Amman Blue Metals – for Environmental Clearance</p>	9726	<p>The authority noted that in 372th meeting of SEAC held on 27.04.2023 and During SEAC presentation, PP has submitted Lr. Dt:27.04.2023 stating that they have decided to withdraw the proposal in view of the Circular Memo No. T1/TNPCB/F.002953/Rough Stone/ SPR/2023 Dt:24.04.2023. Based on the above, SEAC has decided to recommend to SEIAA to accept the request of PP to withdraw the proposal No. SIA/TN/MIN/413314/2023, dt: 06.01.2023.</p> <p>Subsequently, the authority in 620th authority meeting held on 18.05.2023 authority after detailed discussion decided to defer and to seek justification from the PP for withdrawal of this proposal seeking EC.</p> <p>In this connection, the PP has furnished justification for request for withdraw Dt: 27.11.2023 and the proposal was placed in the 684th Authority meeting held on 22.12.2023. The authority noted that the proponent has made request for withdraw vide online proposal no. SIA/TN/MIN/413314/2023Dt:06.01.2023 and TOR under violation was issued to this PP vide Lr No. SEIAA-TN/F.No.10138/SEAC/ToR-1551 /2023 Dated:13.09.2023 in the Online proposal No. SIA/TN/MIN/433309/2023, Dated:14/06/2023.</p>


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			In view of the above, the authority after detailed discussion accepts the recommendation of SEAC to SEIAA to accept the request of PP to withdraw the proposal No. SIA/TN/MIN/413314/2023, dt: 06.01.2023 and decided to grant approval for the PP request for withdraw for online proposal no. SIA/TN/MIN/413314/2023Dt:06.01.2023.
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Annexure 'A'

a) EC Compliance

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

b) Applicable Regulatory Frameworks

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


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

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

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrizal 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 mycorrizal 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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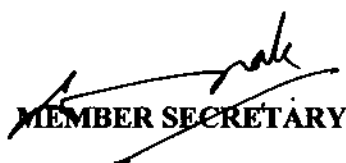
33. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
34. The proponent shall ensure that all mitigation measures listed in 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.
16. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.


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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.
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.


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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.

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.


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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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