

**MINUTES**

**678<sup>th</sup> MEETING**

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

**Date: 11.12.2023 & 12.12.2023**

**MINUTES OF THE 678<sup>th</sup> MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY HELD ON 11.12.2023 & 12.12.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 677 <sup>th</sup> meeting of the Authority held on 06.12.2023.		The minutes of the 677 <sup>th</sup> meeting of the Authority held on 06.12.2023 was confirmed.
b)	The Action taken on the decisions of the 677 <sup>th</sup> meeting of the Authority held on 06.12.2023.		The Member Secretary informed that 677 <sup>th</sup> Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Proposed Rough stone & Gravel quarry lease over an extent of 4.03.0Ha at SF.No. 171/2 (P) of Kuppam Village, Aravakurichi Taluk, Karur District, Tamil Nadu by Tvl.Shri Selva Vinaayaga Blue Metal - for Environmental Clearance. (SIA/TN/MIN/436262/2023)	10251	<p>The authority noted that the subject was appraised in 412<sup>th</sup> SEAC meeting held on 04.10.2023. The committee noted that, the PP requested for withdrawal of the application since the EC and lease period ends on 25.11.2023. The Committee decided to recommend to SEIAA to accept the withdrawal request made by the PP.</p> <p>After detailed discussions, the authority decided to seek the following,</p> <ul style="list-style-type: none"> <li>(i) The PP shall furnish CCR.</li> <li>(ii) The PP shall furnish last permit details obtained from AD, mines.</li> <li>(iii) The PP shall furnish the details of EMP achieved.</li> </ul> <p>In view of these, the authority referred back the proposal to SEAC for re-appraisal on the above said points.</p> <p>Now the subject was placed in 678<sup>th</sup> authority meeting held on 11.12.2023. The authority noted that the subject was appraised in 423<sup>rd</sup> SEAC meeting held on 15.11.2023. The PP furnished clarifications to the above said points. Based on the above</p>

  
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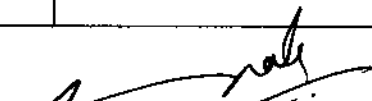
			<p>clarifications furnished by the PP, the Committee decided to recommend the withdrawal request made by the PP to SEIAA.</p> <p>After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain the following details and place before the Authority for further course of action.</p> <p>1. The PP shall furnish CCR.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
2.	Proposed Rough stone quarry lease over an extent of 1.20.0Ha at SF.No. 229(Part-2) of Pogalur Village, Pernampattu Taluk, Vellore District, Tamil Nadu by Thiru. D. Chandran - for Environmental Clearance. (SIA/TN/MIN/433395/2023)	10136	<p>The authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects, and to ensure sustainable, scientific and systematic mining, SEIAA decided to grant Environmental Clearance for the quantity of 18,277m<sup>3</sup> of Rough stone up to the depth of mining 20m AGL and the annual peak production should not exceed 3,920m<sup>3</sup> of Rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p>

  
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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 progressive mine closure and green belt implementation should be included in the half

  
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			<p>yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
3.	Proposed Rough stone & Gravel Quarry over an extent of 3.28.0Ha at SF.Nos. 272/2A, 2B, 2C and 2D of Chettikurichi Village, Kayathar Taluk, Thoothukkudi District, Tamil Nadu by Thiru. S.Kandasamy - For Terms of Reference. (SIA/TN/MIN/447362/2023)	10475	<p>The authority noted that this proposal was placed for appraisal in 423<sup>rd</sup> meeting of SEAC held on 15.11.2023. The SEAC noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.</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 15.11.2023.</p>
4.	Existing Limestone quarry lease over an extent of 4.09.5 Ha at	6174	The Authority noted that the subject was appraised in the 423 <sup>rd</sup> SEAC meeting held on 15.11.2023.

  
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<p>S.F.Nos. 24/1F, 29/2B, 29/2F, 34/1, 34/2, 34/3, 34/4, 34/5, 34/6, 34/7, 34/8, 34/9, 34/10, 34/11, 34/12 &amp; 34/13 in Pandapuli Village, Sankarankovil Taluk, Tirunelveli District, Tamil Nadu by M/s. Murali Enterprises - For extension of validity of Environmental Clearance and Recommendations for releasing the Bank guarantee for the value of Rs. 7.567 lakhs remitted towards Ecological remediation, Natural resource Augmentation and Community resource Augmentation under EIA Notifications dated 14.03.2017 &amp; 08.03.2018 (under violation). (SIA/TN/MIN/298942/2023)</p>	<p>SEAC has furnished its recommendations for granting Extension of Environmental Clearance subject to the conditions stated therein. Further, SEAC found that the PP has implemented the Ecological Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan as stipulated and it is also certified in the CCR issued by the Regional Office of the Ministry and decided to recommend to SEIAA that the Bank Guarantee submitted by the PP may be released.</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 Extension of Environmental Clearance for the quantity of 1,08,640 Tonnes of ROM which includes 74,214 Tonnes of Limestone &amp; 34,426 Tonnes of Mineral Rejects up to the ultimate depth of 21m below ground level and the annual peak production should not exceed 23,850 Tonnes of ROM which includes 15,960 Tonnes of Limestone &amp; 7890 Tonnes of Mineral Rejects. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes. Further, the Authority decided to accept the recommendation of SEAC for release of bank guarantee and the authority decided to release bank guarantee from TNPCB and communicated as per the MoEF &amp; CC Notification dated 14.03.2017 and 08.03.2018.</p>
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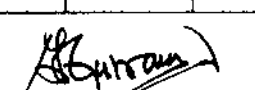
  
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		<ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.</li> <li>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.</li> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed</li> </ol>
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			<p>as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>10. The project proponent shall store/dump rejects, OB, top soil generated within the earmarked area of the project site and utilize the same for mine closure.</p>
5.	Proposed Rough Stone and Gravel quarry lease area over an extent of 2.80.5 Ha at S.F.Nos. 15/1 & 15/2 of Sivayam (North) Village, Krishnarayapuram Taluk, Karur	6993	The Authority noted that the subject was appraised in the 423 <sup>rd</sup> SEAC meeting held on 15.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.

  
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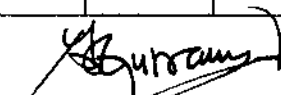
  
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	<p>District, Tamil Nadu by Tvl. Navamani Mines Private Limited - For Environmental Clearance. (SIA/TN/MIN/439433/2023)</p>	<p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 3,72,305 m<sup>3</sup> of Rough Stone and 49,332 m<sup>3</sup> of Gravel up to the ultimate depth of 33m (3m Gravel + 30m Rough Stone) below ground level and the annual peak production should not exceed 82,755m<sup>3</sup> of Rough Stone and 17,652m<sup>3</sup> of Gravel. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.</li> <li>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.</li> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise</li> </ol>
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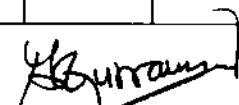
  
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			<p>quality and reports regarding the same should be submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</p> <p>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;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 &amp; IRO of MoEF&amp;CC.</p> <p>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as</p>
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			<p>committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>10. The proponent shall take mitigation measures for all the suggestions made by the Public.</p>
6.	<p>Proposed Rough Stone quarry lease over an extent of 2.54.0 Ha at S.F. Nos. 125/1, 125/5, 140/4, 140/6A, 140/6B, 140/7, 140/8, 141, 142/8A, 142/8B, 142/5B, 142/6, 142/7, 142/9, 142/11 &amp; 142/12 of Udaiyalipatti Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru. R. Rajmohan – For extension of validity of Terms of Reference. (SIA/TN/MIN/302258/2023)</p>	7455	<p>The Authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. During the presentation, EIA Coordinator stated that originally, they had applied for Terms of Reference as the applied area falls under cluster situation and subsequently had been granted Terms of Reference by SEIAA-TN vide Lr No. SEIAA-TN/F.No.7455/SEAC/TOR-738/2020 Dated: 12.08.2020. Later due to financial constraints PP had decided to withdraw the proposal and the same was accepted by the Committee and the Authority. Further, the PP now wants to re-apply for Terms of Reference under 'B1' Category as the said area falls under cluster to obtain Environmental Clearance as per the procedure laid down in EIA Notification, 2006. However, Committee noted that the PP had made an application for the extension of validity of earlier issued ToR, which is no longer in existence as it has already been withdrawn by the PP, instead of fresh ToR application. Hence, EIA coordinator stated that they had made an application for validity extension by mistake and thereby requested the Committee to allow them to withdraw the ToR extension proposal (Proposal No 302258). Hence, based on the above facts furnished by the EIA</p>

  
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			<p>coordinator, Committee decided to accept the withdrawal of extension of ToR made by the PP vide Proposal No 302258 and SEIAA may accordingly take necessary action in accordance with the procedures as laid in the law.</p> <p>In view of the above, the Authority after detailed deliberations decided to accept the decision of SEAC and accepts the withdrawal request made by the PP for ToR extension proposal (Proposal No 302258).</p>
7.	<p>Proposed Quartz and Feldspar quarry lease over an extent of 2.17.5 Ha at S.F.Nos. 826/1B &amp; 826/2 of Kosanam (B) Village, Nambiyur Taluk, Erode District, Tamil Nadu by M/s. Sri Hill Minerals – For Environmental Clearance. (SIA/TN/MIN/430938/2023)</p>	10287	<p>The Authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority further noted as follows:</p> <ol style="list-style-type: none"> <li>1. Based on the details furnished by the proponent, the water table is mentioned as 30m and the depth of mining is 29m which is close to water table whether there will be any impact on the water table due to the said mining activity.</li> <li>2. On review of the KML file, 2 structures are located within a radius of 8m and 22m from the boundary of the said quarry. What will be the impact on the structures located close to the said quarry boundary since blasting is carried out in the mining activity.</li> <li>3. On review of the KML file, village road is located adjacent to the said quarry boundary. What will be the impact on the transport of vehicle due to said quarrying activity since blasting is carried out in the mining activity.</li> </ol>

  
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			<p>4. On review of the KML file, agricultural activity is carried out within 300m radius of the said quarry boundary. What will be the impact on the agricultural activity due to said quarrying activity since blasting is carried out in the mining activity.</p> <p>In view of the above, the Authority decided to refer back the proposal to SEAC to furnish remarks.</p>
8.	<p>Proposed Multi Colour Granite quarry over an extent of 1.13.46 Ha at S.F. Nos. 1151/5, 1151/6 and 1172/2A of Irudhukottai Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Tvl. Top Granites - For Terms of Reference. (SIA/TN/MIN/447526/2023)</p>	10476	<p>The Authority noted that this proposal was placed for appraisal in 423<sup>rd</sup> SEAC meeting held on 15.11.2023, the committee has furnished its recommendations for granting ToR with Public Hearing subject to the conditions stated therein. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) along with Public Hearing</b> under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC &amp; normal conditions in addition to the conditions in 'Annexure B' of this minutes.</p> <p>1. The PP shall submit the Modified Mining Plan along with EIA report for an area of extent of 1.13.46 Ha where the mining operations will be carried out.</p>
9.	<p>Existing Black Granite Quarry over an extent of 03.22.0 Ha at S.F.No. 9(Part) (Patta Land) Jagadevipalayam Village, Krishnagiri Taluk, Krishnagiri District by Thiru. S. Venkatesan -</p>	4964	<p>The authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. Based on the presentation and documents furnished by the project proponent, the SEAC noted that the validity of the earlier EC issued vide Lr.No. SEIAA/TN/F.No.4964/EC/1(a)/2863/2015 dated:</p>

  
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	<p>Extension of validity of Environmental Clearance. (SIA/TN/MIN/303281/2023)</p>		<p>15.02.2016 expired on 14.02.2022 including covid extension and the PP has not applied for extension of validity within the validity of the earlier EC.</p> <p>Hence, as per MoEF&amp;CC clarification vide MoEF&amp;CC O.M 13.12.2022, this proposal is not eligible for automatic extension of validity of EC and the PP request seeking withdraw for online proposal No. SIA/TN/MIN/71690/2022 dated: 31.01.2022 for which the ToR issued earlier vide SEIAA Letter No. SEIAA/TN/F.No.8965/SEAC/ToR-1133/2021 dated 25.03.2022 is not recommended by SEAC.</p> <p>Therefore, the PP shall carry out the EIA study and Public Hearing following the aforementioned ToR dated 25.03.2022 (File No. 8965) and apply for EC accordingly by submitting the final EIA report along with minutes public hearing.</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 423<sup>rd</sup> SEAC meeting to the project proponent.</p>
10.	<p>The existing residential apartment project by M/s. L&amp;T South City Projects Ltd (Eden Park Phase 2 at SF. No. 90/3A1A, 3A1B(Part) of Pudupakkam Village &amp; SF. No. 123, 127/1 etc of Siruseri Village, Chengalpattu Taluk, Kancheepuram District - Transfer of EC due to mangement change from M/s. L &amp; T South City Projects Limited to M/s. Pragnya South City Projects Private</p>	509	<p>The authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. Based on the presentation and documents furnished by the project proponent, the SEAC noted that the validity of the earlier EC issued Dt: 07.11.2013 has already expired on 06.11.2021 and the PP request for transfer EC does not fall within validity of earlier EC issued. Hence, the SEAC has decided that project proponent request for transfer EC is not recommended.</p> <p>However, PP informed the Committee that he has already filed a separate application for EC in PARIVESH portal vide No.</p>

  
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	<p>Limited. (SIA/TN/MIS/303928/2023)</p>		<p>SIA/TN/INFRA2/425367/2023 Dt: 08.04.2023 (Offline No. 9972) and requested the Committee that since the earlier issued EC in the name of M/s L&amp;T South City Projects Ltd (Eden Park Phase 2) (offline no. 509) has expired, the above-mentioned fresh EC proposal (offline no. 9972) in the name of M/s. Pragnya South City Projects Private Limited may be considered. Hence, Committee decided that as requested by the PP, no further action needed to be taken in the present proposal and PP's fresh EC proposal will be taken up for appraisal as per the seniority. In view of the above, the Authority accepted the decision of SEAC and decided to request Member Secretary, SEIAA to communicate the minutes of 423<sup>rd</sup> SEAC meeting to the project proponent.</p>
<p>11.</p>	<p>Proposed Rough Stone Quarry lease over an extent of 2.00.0Ha (Govt. Poramboke Land) S.F.No.220/1(Part-4), Gopanapalli Village, Hosur Taluk, Krishnagiri District by Thiru. J.Vijayakumar - For Environmental Clearance. (SIA/TN/MIN/433496/2023)</p>	<p>9593</p>	<p>The authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,73,407 m<sup>3</sup> of Rough Stone up to the ultimate depth of 35m (11m AGL + 24m BGL) and the annual peak production should not exceed 59,840 m<sup>3</sup> of Rough Stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the</p>

  
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		<p>following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so as to review the EC conditions and to ensure that they have all been adhered to and implemented.</li> <li>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.</li> <li>4. There should be regular monitoring of air quality, water quality, ground water level and noise quality and reports regarding the same should be submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC once in every 6 months.</li> <li>5. The proponent shall strictly adhere to the mining plan and half yearly and annual returns shall be submitted to the Director of Geology and Mining Department with copy marked to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</li> <li>6. Biodiversity in and around the project area should be monitored frequently and detailed biodiversity report should be submitted every year to SEIAA &amp; IRO of MoEF&amp;CC.</li> </ol>
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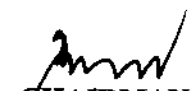
  
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			<p>7. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP. Status of progressive mine closure and green belt implementation should be included in the half yearly compliance report submitted to TNPCB, SEIAA &amp; IRO of MoEF&amp;CC.</p> <p>8. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>9. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>10. The proponent shall take mitigation measures for all the suggestions made by the Public.</p>
12.	Proposed Rough Stone & Gravel Quarry over an extent of 3.78.0 Ha at S.F.Nos. 110/3, 110/4, 110/5, 127/1 and 127/2 of Kodangipatti	10478	The Authority noted that the subject was appraised in the 423 <sup>rd</sup> SEAC meeting held on 15.11.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant

  
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	Village, Bodinaickanur Taluk, Theni District, Tamil Nadu by Thiru. R.Seenivasan - For Terms of Reference. (SIA/TN/MIN/439908/2023)		<b>Terms of Reference (ToR) along with Public Hearing</b> under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in <b>Annexure 'B'</b> of this minutes.
13.	Existing Black Granite quarry lease over an extent of 3.38.5 Ha S.F.Nos.935(P), Ajjanahalli Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by M/s Tamil Nadu Minerals Limited - For Extension to Environmental Clearance. (SIA/TN/MIN/295982/2023)	2474	The Authority noted that the subject was placed in the 423 <sup>rd</sup> meeting of SEAC held on 15.11.2023 and the SEAC has decided that there is no question of extension of EC granted by DEIAA and decided to instruct the PP to apply afresh to SEIAA for Environmental Clearance with all relevant documents including NBWL Clearance.  After detailed discussions, the Authority decided to accept the recommendations of SEAC to not to grant the extension of EC issued by DEIAA, and to direct the PP to apply afresh to SEIAA for Environmental Clearance with all relevant documents including NBWL Clearance
14.	Existing Grey Granite Quarry lease over an Extent of 1.85.5 Ha located at S.F.No 266/1,268/1AC and 268/1AD, Jagadevipalayam Village, Krishnagiri Taluk, Krishnagiri District by M/s. M.P. Granites - Extension of validity of Environmental Clearance. (SIA/TN/MIN/204010/2021)	4483	The Authority noted that the subject was placed in the 423 <sup>rd</sup> meeting of SEAC held on 15.11.2023 and the SEAC has furnished its recommendations for the grant of extension of Environmental Clearance to the project subject to the conditions stated therein.  During the meeting the Authority noted that the PP has still not submitted the 1st scheme of mining plan. Hence the Authority directed the PP to furnish the same through PARIVESH online application and also hard copy to O/o SEIAA TN. Hence, the proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be

  
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			automatically delisted from the PARIVESH Portal.
15.	Existing Multicolor Granite quarry lease over an extent of 8.96.6 Ha in S.F. Nos. 348/1(P), 348/2(P), 348/5, 348/6, 349/1, 349/3,349/4,350/1, 350/2, 350/3, 350/5(P) & 350/6, Karapadi Village, Sathyamangalam Taluk, Erode District by M/s. Meenakshi Granites - For extension of Environmental Clearance. (SIA/TN/MIN/302867/2023)	6464	<p>The Authority noted that the subject was placed in the 423<sup>rd</sup> meeting of SEAC held on 15.11.2023 and the SEAC has stated that the <b>Environmental Clearance</b> issued vide SEIAA Lr. No. SEIAA-TN/F.No.6464/2017/1(a)/EC.No.3970/2018 dated 12.03.2018 is <b>valid upto 11.03.2024</b>. All the other conditions mentioned in SEIAA Lr. SEIAA-TN/F.No.6464/2017/ 1(a)/EC.No.3970/2018 dated 12.03.2018 remain unaltered. Further the SEAC has decided that the PP shall apply afresh for Environmental Clearance, as there is a change in cluster category, under B1 category as the mine lease area is 8.96.6 Ha.</p> <p>After detailed discussions, the Authority decided to accept the above recommendations of SEAC and decided to request the Member Secretary to convey the same to the PP.</p>
16.	Existing Devarmalai Limestone Mine over an area of 166.535Ha in Devarmalai and Melapagudi villages, Kulilthalam Taluk, Karur District, Tamil Nadu by M/s. Chettinad Cement Corporation Private Limited- Extension of validity of Environmental Clearance. (SIA/TN/MIN/414400/2023)	9947	<p>The Authority noted that the subject was placed in the 423<sup>rd</sup> meeting of SEAC held on 15.11.2023 and the and the Committee observed that the Project Proponent vide letter dated 07.11.2023 has requested additional time to submit the details sought by the Authority and hence the SEAC has decided to defer the proposal to a later date.</p>
17.	Proposed Rough Stone quarry over an extent of 2.50.0 Ha of Government land in S.F.Nos.	10437	<p>The Authority noted that the subject was placed in the 423<sup>rd</sup> meeting of SEAC held on 15.11.2023 and the SEAC has furnished its recommendations for the</p>

  
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	1372/1(Part-4), of Kamayagoundanpatti Village, Uthamapalayam Taluk, Theni District, Tamil Nadu by M/s. Annai Therasa Kalludaikkum Mahalir Nala Munnetra Sangam- For Terms of Reference. (SIA/TN/MIN/445923/2023)		grant of Terms of Reference (ToR) with Public Hearing for EIA study subject to the conditions stated therein. After detailed discussions, the Authority accepted the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) along with Public Hearing</b> based on studies, assessments and records to be produced as sought by the SEAC and SEIAA, under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in <b>Annexure 'B'</b> of this minutes.
18.	Proposed Rough Stone and Gravel quarry over an extent of 2.42.63 Ha of Patta land in S.F.Nos. 75/1,75/4,75/5,75/6 and 76/3B2 Eraiyr Village, Vanur Taluk, Viluppuram District, Tamil Nadu by Thiru A. Veeraragavan- For Terms of Reference. (SIA/TN/MIN/446038/2023)	10444	The Authority noted that the subject was placed in the 423 <sup>rd</sup> meeting of SEAC held on 15.11.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference (ToR) with Public Hearing for EIA study subject to the conditions stated therein. After detailed discussions, the Authority accepted the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) along with Public Hearing</b> based on studies, assessments and records to be produced as sought by the SEAC and SEIAA, under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in <b>Annexure 'B'</b> of this minutes.

  
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19.	Existing Rough Stone and Gravel quarry over an extent of 2.00.21 Ha of Patta land in S.F.Nos. 441/A1(P), A2(P), A3(P) & A4(P) Keeranur Village, Kangatam Taluk, Tiruppur District, Tamil Nadu by Thiru. B. Vishnu Kumar- For Terms of Reference. (SIA/TN/MIN/446654/2023)	10458	The Authority noted that the subject was placed in the 423 <sup>rd</sup> meeting of SEAC held on 15.11.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference (ToR) with Public Hearing for EIA study subject to the conditions stated therein. After detailed discussions, the Authority accepted the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) along with Public Hearing</b> based on studies, assessments and records to be produced as sought by the SEAC and SEIAA, under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in <b>Annexure 'B'</b> of this minutes.
20.	Proposed Rough Stone and Gravel quarry over an extent of 3.08.0 Ha in S.F.No. 178/1B(P), 178/2A2(P), 178/2B(P), 179/3B(P) & 179/4B(P) of Ottapidaram Village, Ottapidaram Taluk, Thoothukudi District, Tamil Nadu by Thiru S. Pachaimal for Environmental Clearance. (SIA/TN/MIN/411892/2022)	9687	The authority noted that the subject was appraised in the 423 <sup>rd</sup> SEAC meeting held on 15.11.2023. Based on the presentation and documents furnished by the proponent, the committee noted as follows 1. The sensitive windmill structure is located at a distance of 90m from the proposed quarrying site. 2. Further, the PP had incorporated the suggestions/recommendations given in the study report in the approved mining plan with a modified mining methodology which was endorsed by the AD (Mines) as against the earlier proposed blasting. 3. As per the change in the methodology of mining indicated in the modified mining plan, it is observed that the usage of non-explosive 'Rock

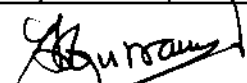
  
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		<p>Breaking Compounds (RBC)' to be filled in the drilled holes of 32-34 mm dia for a duration of 8 to 10 hours to only create the necessary fractures/cracks in the hard Charnokite formation, followed by the usage of Rock Breakers to fragment the rock so as to facilitate the loading equipments/excavators. As a result, in practical sense, it is anticipated that there will be a considerable reduction in the volume of rock available for excavation.</p> <p>4. However, the <b>total volume of excavation and annual peak production capacity calculated by adopting the blasting technology</b> as it was indicated in the previous Mining Plan <b>has not been revised (or) changed with the adoption of the aforesaid 'Slow-process' Non-explosive rock fragmentation technique</b> in the hard Charnokite formation, in the Modified Mining Plan.</p> <p>5. The PP have not spell out the procurement, transportation, storage and safety precautions while using the aforesaid non-explosive 'Rock Breaking Compounds (RBC)' in the site.</p> <p>6. The PP have not provided the letter of approval of using the aforesaid non-explosive 'Rock Breaking Compounds (RBC)' issued specifically to the above product by the Directorate General of Mines Safety (DGMS) for the safety concerns.</p> <p>Under the above circumstances, Committee decided <b>not to recommend</b> the proposal for the aforementioned reasons.</p> <p>The Authority, after discussions, <b>accepted the decision of SEAC, rejected the proposal and</b></p>
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			decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per the 423 <sup>rd</sup> SEAC minutes. Further, Authority decided to close and record this proposal.
21.	Proposed Rough Stone & Gravel quarry lease area over an extent of Extent 2.48.0 Ha at S.F.No. 80/2B (P) & 81/2 (P) of Karunchamigoundenpalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. K. Vazhathotta Gounder - For Environmental Clearance. (SIA/TN/MIN/438293/2023)	8733	<p>The authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of <b>2,58,755m<sup>3</sup></b> of rough stone up to the depth of <b>32m BGL</b> and the annual peak production should not exceed <b>77,940m<sup>3</sup></b> of Rough stone. This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&amp;CC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> <li>1. Keeping in view of MoEF&amp;CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</li> <li>2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years and also during the mine plan period, till the project life so asto review the EC conditions and to ensure that they have all been adhered to and implemented.</li> </ol>

  
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			<p>3. The project proponent shall submit a Certified Compliance Report obtained from IRO of MoEF&amp;CC to the monitoring, regulatory and other concerned authorities including SEIAA, while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP and as per the amount committed and approved in EC for EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work &amp; expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
22.	Proposed Rough Stone quarry lease over an extent of 2.70.0 Ha at S.F.Nos. 136 (Part-12) of Venkatesapuram Village, Shoologiri	10438	<p>The authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023.</p> <p>Based on the presentation and document furnished by the proponent, SEAC noted that</p>

  
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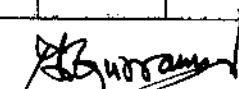
  
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	<p>Taluk, Krishnagiri District, Tamil Nadu by M/s. S.V. Blue Metals - For Terms of Reference. (SIA/TN/MIN/431064/2023)</p>	<p>1. <b>Habitations including the Poultry farms</b> are located within 300m radius in the western direction.</p> <p>2. <b>A school is located at a distance of 216 m (within 500m radius) from the proposed mine lease area in the western direction.</b></p> <p>Hence, this proposal attracts the following legal implications:</p> <p>(i) Under the provisions of Tamil Nadu Minor Mineral Concession Rules, 1959, Rule 36 (1-A) (a) says</p> <p><i>“... No lease shall be granted for quarrying stone within 300 meters (three hundred meters) from any inhabited site: Provided that the exiting quarries which are subsisting under current leases shall be entitled for continuance till the expiry of the lease period. The lessees whose quarries lie within a radius of 300 metres from the inhabited site shall undertake blasting operations only after getting permission of the Director of Mines Safety, Chennai”.</i></p> <p>Similarly, Rule 36 (1-A) (c) also indicates</p> <p><i>“.... No new layout, building plans falling within 300 metres from any quarry should be given approval by any agency unless prior clearance of the Director of Geology and Mining is obtained. On receipt of proposals for according clearance, the Director of Geology and Mining (DGM) shall decide</i></p>
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*upon the continuance or closure, as the case may be of any quarry which is situated within 300 metres from the now layout, building sought for such ,clearance....”.*

(ii) As per Directorate General of Mines Safety circular no. - DGMS (SOMA)/ (Tech) Cir No. 2 of 2003 Dt. 31/01/2003, on subject of Dangers due to blasting projectiles, all places within the radius of 500 m from the place of firing to be treated as danger zone which states that

*“...Under the existing provisions of the Metalliferous Mines Regulations, 1961, before a shot is charged, stemmed or fired the shotfirer/ blaster required, amongst other things to ensure that all persons within a radius of 300m from the place of firing (referred to hereinafter as danger Zone) have taken proper shelter, apart from giving sufficient warning by efficient signals or other means approved by the manager over the entire zone...”*

*“...There had been, however, a number, of instances where flying fragments due to blasting had ejected not only within but also beyond the danger Zone, resulting into serious and even fatal accidents....”*

*“...In the interest of safety to treat all the places within a radius of 500 mt. of the place of firing as the danger zone, all persons who are required to remain*

  
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			<p><i>within the danger zone at the time of blasting should take protection in substantially built shelter..."</i></p> <p>The SEAC has observed that the above regulations for danger zone (500 m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on environment considering the safety concerns of public.</p> <p><b>In view of the above reasons, the SEAC decided that grant of Environmental Clearance for this proposal will be detrimental to environment in this area and consequently decided not to recommend issue of Environmental clearance to this proposal.</b></p> <p>The Authority, after discussions, <b>accepted the decision of SEAC, rejected the proposal</b> and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per the 423<sup>rd</sup> SEAC minutes. Further, Authority decided to close and record this proposal.</p>
23.	<p>Proposed Colour Granite quarry lease over an extent of 3.46.0 Ha at S.F.Nos. 10 (Part) of Pasinayanapalli Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by M/s. Pranita Granites - For Terms of Reference. (SIA/TN/MIN/448443/2023)</p>	10473	<p>The authority noted that the subject was appraised in 423<sup>rd</sup> SEAC meeting held on 15.11.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations, decided to <b>recommend the proposal for the grant of Terms of Reference (ToR).</b></p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) along with Public Hearing</b> under cluster for undertaking the combined Environment Impact Assessment Study and</p>

  
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			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:
24.	Proposed Rough stone quarry lease over an extent of 3.00.0 Ha at S.F.No. 202/1 (Part-B) of Kondappanayanapalli Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.A.M.Murugan - For Terms of Reference. (SIA/TN/MIN/431066/2023)	10075	The authority noted that the subject was appraised in the 423 <sup>rd</sup> SEAC meeting held on 15.11.2023. During the meeting, the Committee noted that the proponent has not furnished details regarding earlier mining activity. Hence, the Committee decided to call for the following details from the project proponent:  i) The proponent shall furnish details on the earlier mining activity including the details of last permit obtained, last date of mining activity, violations if any, etc.  The authority noted the minutes of SEAC.
25.	Proposed Rough Stone and Gravel Quarry lease over an extent of 1.76.0 Ha (Patta Land) at S.F.Nos. 353/2 & 354 of Periyapatti Village, Namakkal Taluk, Namakkal District, Tamil Nadu by Tmt. A. Indira - For Environmental Clearance. (SIA/TN/MIN/432646/2023)	10123	The authority noted that the subject was appraised in the 423 <sup>rd</sup> SEAC meeting held on 15.11.2023. Based on the presentation and details furnished by the project proponent, the Committee noted the following:  1. A Private Senior Secondary School with a student population of about 400 is located at a distance of 340m from the proposed project site.  2. Further, Poultry farms and other structures are located within a radius of 500m from the project site.  3. Further, the proponent has not carried out the mining operation systematically as she has encroached outside the lease area and also has exceeded the depth against the specified depth in earlier EC causing environmental degradation.

  
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			<p>In view of the above, the Committee <b>decided not to recommend the proposal for grant of Environmental Clearance.</b> Further, SEAC decided that the SEIAA may initiate action under Sec.19 of EP Act against the PP for violating the provisions of EP Act by exceeding the depth specified in EC and also by mining outside the lease area.</p> <p>The Authority, after discussions, <b>accepted the decision of SEAC, rejected the proposal and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per the 423<sup>rd</sup> SEAC minutes.</b> Further, action may be initiated against the proejct proponent under Sec.19 as directed by SEAC, for violating the provisions of EP Act by exceeding the depth specified in EC and also by mining outside the lease area.</p>
26.	<p>Proposed Rough Stone and Gravel Quarry lease over an extent of 2.62.00 Ha at S.F.Nos. 102/1A, 102/1B, 102/1C, 102/1D, 102/1E, 102/1F, 102/1G, 102/1H, and 102/1I of Lekkanayakkanpatti Village, Marungapuri Taluk, Tiruchirappalli District, Tamil Nadu by Thiru. R. Arumugam – For Terms of Reference. (SIA/TN/MIN/445806/2023)</p>	10439	<p>The authority noted that the subject was appraised in the 423<sup>rd</sup> SEAC meeting held on 15.11.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR) along with Public Hearing</b> under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC &amp; normal conditions &amp; the conditions mentioned in 'Annexure B' of this minutes.</p>
27.	<p>Proposed Rough stone &amp; Gravel Quarry over an extent of 2.62.50Ha at S.F.Nos. 333/3 of Pachapalayam Village, Sular Taluk, Coimbatore District, Tamil Nadu by Thiru.</p>	10366	<p>The Authority noted that the subject was earlier appraised in the 416<sup>th</sup> SEAC meeting held on 13.10.2023. Based on the presentation made by the proponent, <b>SEAC decided to recommend for grant of Terms of Reference (TOR) with Public</b></p>

  
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	<p>G.Thangavel- For Terms of Reference. (SIA/TN/MIN/442308/2023)</p>		<p><b>Hearing</b>, subject to the TORs stated therein, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF &amp; CC to be included in EIA/EMP Report. Subsequently, the subject was placed in the 670<sup>th</sup> Authority meeting held on 06.11.2023. After detailed discussions, the Authority decided to obtain the following and place before the Authority for further course of action.</p> <p>1. The PP shall furnish registered lease consent document obtained from all the pattadhars of proposed mining area.</p> <p>Based on the Proponent's reply, the subject was again placed in the 678<sup>th</sup> Authority meeting held on 11.12.2023 &amp; 12.12.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant <b>Terms of Reference (ToR)</b> along with <b>Public Hearing</b> under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC &amp; normal conditions and conditions in <b>Annexure 'B'</b> of this minutes.</p>
28.	<p>Proposed Expansion of Premium Residential Complex "Jain's ADVAIT" at S.F.Nos. 168/3pt &amp; 4pt, 169/1pt, 2A, 2B &amp; 2Cpt, 170/1, 2A &amp; 2B, 172/20pt, 21pt, 29, 42pt, 43pt, 44pt, 48pt, 49pt, 50pt &amp; 51pt, 171/2 &amp; 171/3 of Pammal Village, Tambaram Taluk, Kancheepuram</p>	10009	<p>The Authority noted that the subject was earlier appraised in the 394<sup>th</sup> Meeting of SEAC held on 21.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the conditions stated therein. Subsequently, the subject was placed in the 644<sup>th</sup> Authority meeting held on 07.08.2023.</p>

  
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<p>District, Tamil Nadu by M/s. Jain Housing &amp; Constructions Ltd.- For Environmental Clearance (SIA/TN/INFRA2/426456/2023)</p>		<p>After detailed discussions, the Authority decided to obtain the following details from the PP.</p> <ol style="list-style-type: none"> <li>1. The Proponent shall furnish the details regarding the completion status of the building, occupation status and mode of waste water disposal of the Existing building in the proposed site with documentary evidences.</li> <li>2. The PP shall furnish the details of waste water disposal during this proposed construction phase.</li> <li>3. The Proponent shall furnish detailed land area breakup for the additional survey numbers, 171/2 &amp; 171/3 proposed for this expansion.</li> <li>4. The Proponent shall furnish detailed land area breakup indicating OSR area in Sq.m and also in percentage of total land area (Plot area- 35,284.97 Sq.m). The project proponent shall provide entry and exit points for the OSR area, as per the norms for the public usage and as committed.</li> <li>5. The PP shall spell out the action envisaged on the technical opinion of PWD regarding inundation point of view.</li> <li>6. The PP shall obtain necessary approvals from the authorities concerned to construct a proper drainage system to convey excess storm water from the proposed project site to the nearest waterbody.</li> <li>7. The PP shall furnish NOC of Airport authority for Height Clearance.</li> <li>8. The PP shall furnish the fire Noc.</li> </ol>
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9. The PP shall furnish detailed Traffic analysis report.

10. The PP shall withdraw the below remaining applications filed for obtaining EC with proper justification.

S.No	Online Application No
2.	SIA/TN/INFRA2/231590/2022 dated:25.03.2022
3.	SIA/TN/INFRA2/75337/2018 dated:08.06.2018
4.	SIA/TN/INFRA2/212674/2021 dated:02.06.2021

11. The PP shall study the impacts on the Quarry lake and Periya Eri Lake around the project site.

12. The PP shall study the impacts on Pulikkuradu reserve forest.

13. The PP shall furnish Disaster Management Plan and Evacuation plan.

14. The proponent shall furnish details on the NBC (National Building Code of India) norms adopted, with respect to the following to ensure environmental hygiene and safety standards:

- a) Kitchen
- b) Bathrooms
- c) Basements
- d) Garages
- e) Stairways
- f) open ways
- g) fire safety & safety against fire escape routes

  
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			<p>h) electric lines  i) roof top safety  j) car parking  k) visibility in exit areas</p> <p>15. The proponent shall furnish details on the no. of fire alarms provided and the automatic fire detection standards followed.</p> <p>16. The proponent shall furnish details on the actions taken to reduce anthropogenic GHGs such as CO<sub>2</sub>, CH<sub>4</sub>, nitrous oxide, etc., resulting from human activities.</p> <p>17. The proponent shall furnish details on the strategies adopted to decarbonize the building.</p> <p>18. The proponent shall furnish measures taken to mitigate the impact on critically endangered species, biodiversity, etc, due to the modification of the habitat.</p> <p>19. The proponent shall develop emergency response plan in addition to the disaster management plan.</p> <p>20. The proponent shall furnish details on building-friendly pest control strategies developed using non chemical measures so as to control the pest population thereby not losing beneficial organisms.</p> <p>21. The proponent shall furnish the measures taken to prevent the spread of invasive species.</p> <p>22. The proponent furnish detailed plan adopted to reduce carbon footprints and also strategies for climate proofing and climate mitigation.</p> <p>23. The proponent shall furnish details on strategies developed to ensure the buildings in blocks don't trap heat and become local urban heat islands.</p>
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24. The proponent shall furnish details on the sustainability criteria adopted to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.
25. The proponent shall furnish details on the strategies developed to prevent bird hits.
26. The proponent shall furnish details on the provisions made to ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.
27. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan during emergencies.
28. The proponent shall furnish details on the strategies adopted to maintain the health of the inhabitants in high rise buildings.
29. The proponent shall explain the methodology adopted to control thermal environment and other shocks in the building.
30. The proponent shall provide details on the provisions for controlled ventilation and lighting systems.

Based on the Proponent's reply vide letter dated:29.11.2023, the subject was again placed before the 678<sup>th</sup> Authority meeting held on 11.12.2023 & 12.12.2023. After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to refer back the proposal to SEAC-TN to obtain remarks on the reply for the above queries (especially on the 5<sup>th</sup> & 6<sup>th</sup> query) submitted by the PP.

  
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**Annexure 'A'**

**a) EC Compliance**

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

**b) Applicable Regulatory Frameworks**

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

**c) Safe mining Practices**

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

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

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

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

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

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

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

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

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

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

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

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

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

**i) Climate Change**

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

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

**j) Reserve Forests & Protected Areas**

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

**k) Green Belt Development**

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

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

**l) Workers and their protection**

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

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

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

**m) Transportation**

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

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

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

n) **Storage of wastes**

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

o) **CER/EMP**

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

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

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

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

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

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

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

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

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

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

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

### Annexure 'B'

#### Cluster Management Committee

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

#### Impact study of mining

12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following
  - a) Soil health & soil biological, physical land chemical features .

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

**Agriculture & Agro-Biodiversity**

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

**Forests**

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

**Water Environment**

- 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,

  
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ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the entire mine lease period.

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

#### **Energy**

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

#### **Climate Change**

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

#### **Mine Closure Plan**

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

#### **EMP**

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

**Risk Assessment**

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

**Disaster Management Plan**

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

**Others**

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

**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.

  
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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.

**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.

  
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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.

**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.

  
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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.
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.

  
MEMBER SECRETARY

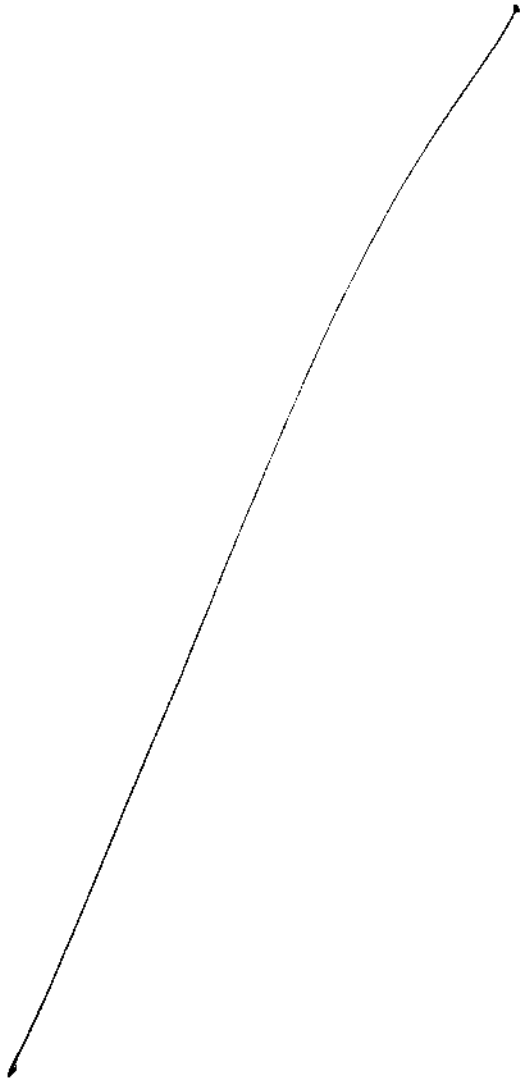
  
MEMBER

  
CHAIRMAN  
SEIAA-TN

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.



  
**MEMBER SECRETARY**

  
**MEMBER**

  
**CHAIRMAN  
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