

MINUTES

623rd MEETING

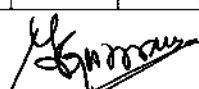
**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMIL NADU**

Date: 30.05.2023

**MINUTES OF THE 623rd MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 30.05.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 622 nd meeting of the Authority held on 26.05.2023.		The minutes of the 622 nd meeting of the Authority held on 26.05.2023 was confirmed.
b)	The Action taken on the decisions of the 622 nd meeting of the Authority held on 26.05.2023.		The Member Secretary informed that 622 nd Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting.
1.	Proposed Earth quarry lease area over an extent of Extent 2.63.4 Ha at S.F.No. 2/1B (Part), 2/3B (Part) & 139/1A of Manikollai Village, Bhuvanagiri Taluk, Cuddalore District, Tamil Nadu by Thiru. M.R. Mullai Murugan - For Environmental Clearance.	9867	<p>The authority noted that the subject was earlier appraised in 376th SEAC meeting held on 05.05.2023. After detailed discussions, the Authority taking into account the recommendations of SEAC and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 30,334 m³ of Earth for the depth of mining up to 2m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The proponent shall not carry out mining in the section X2Y2-IJ and shall develop Green Belt

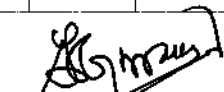

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		<p>in the area earmarked as section X2Y2-IJ in addition to the proposed Green Belt development and the revised quantity is 30,334 m3 of Earth.</p> <ol style="list-style-type: none"> 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 4. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 5. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 6. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 7. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also
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			should be brought to the notice of concerned authorities during inspections.
2.	Proposed Gravel quarry lease area over an extent of Extent 2.05.5 Ha at S.F.No. 147/1, 2, 3, 4, 5A, 6A, 6C, 8, 9A, 10, 11A & 158/1 of Athilivakkam Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu by Tmt. M. Uma Maheshwari- For Environmental Clearance.	9874	<p>The authority noted that the subject was earlier appraised in 376th SEAC meeting held on 05.05.2023. After detailed discussions, the Authority taking into account the recommendations of SEAC and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 19,240 m³ of Gravel for the depth of mining up to 2m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.


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			<p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. 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 & 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 Lime Kankar quarry lease area over an extent of Extent 123.26.5 Ha at S.F.No. Parts of 7 to 15, 17 to 32, 34, 40, 101 to 103, 107 to 109, 113, 118, 124 to 130, 132, 138 to 139 & 213 to 215 of Vadakkunatham Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by M/s. The Ramco Cements Limited - For Environmental Clearance.	9881	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023.</p> <p>Based on the presentation and document furnished by the proponent, the PP has requested to defer the proposal until the transfer of file from the EAC which had issued the ToR under the provisions of MoEF Guidelines.</p> <p>The SEAC will deliberate on the proposal after hearing from the PP.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to</p>


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			communicate the minutes of 376 th SEAC held on 05.05.2023 to the project proponent.
4.	Proposed Rough stone quarry lease area over an extent of Extent 0.78.80 Ha at S.F.No. 189/1B (P) & 192/2(P) of Mallapuram Village, Gujiliyamparai Taluk, Dindigul District, Tamil Nadu by Thiru. K. Lakshmanan - For Environmental Clearance.	9888	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023.</p> <p>Based on the presentation and document furnished by the project proponent, SEAC decided to call for additional details as below,</p> <ol style="list-style-type: none"> 1. DFO, Dindigul has stated that the Slender Lorris wildlife Sanctuary is located at a distance of 8.2km from the proposed site vide Rc.No.10123/2022/va 1, Dated: 26.12.2022 and hence the PP shall obtain NBWL clearance, vide, MoEF &CC Office Memorandum no. FC-11/119/2020-FC dated 17th May, 2022. 2. The proponent shall enumerate on the details of the structures located within 100m, 200m, 300m and 500 m radius from the proposed mine lease area indicating the type of structure/building, usage/purposes of such building structures – Commercial/ industrial/ Residential/ Farm house/ Government building structures such as Sub-station, occupants of such buildings/structures, ownership of the buildings/structures-whether it belongs to the PP (or) not, etc. <p>On receipt of the above details, SEAC would further deliberate on this project and decide the further course of action.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to</p>


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			communicate the minutes of 376 th SEAC held on 05.05.2023 to the project proponent.
5.	Proposed Rough Stone & Gravel quarry Lease over an extent of 1.53.00 Ha at S.F.No. 153/1 (part) of Thennilai East Village, Pugalur Taluk, Karur District, Tamil Nadu by Mr.K.Ramasamy - For Environmental Clearance.	9868	<p>The authority noted that the subject was appraised in the 376th SEAC meeting held on 05.05.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 2,23,860m³ of Rough Stone & 10,962m³ of Gravel by restricting the depth of mining upto 42m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.


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			<p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <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 & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
6.	Proposed Rough Stone & Gravel quarry Lease over an extent of 1.11.00 Ha at S.F.No. 66/1 of Thakkolam Village, Arakkonam Taluk, Ranipet District, Tamil Nadu by M/s. Sun Minerals – For Environmental Clearance.	9875	<p>The authority noted that the subject was appraised in the 376th SEAC meeting held on 05.05.2023. SEAC has furnished its recommendations to the authority 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</p>


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		<p>safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 47,188m³ of Rough Stone and 22,440m³ of Gravel by restricting the depth of mining upto 23m below ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project
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			<p>Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>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 & 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>
7.	Proposed Lime Kankar quarry lease area over an extent of 294.18.5 Ha at S.F.No. Parts of 208 to 229, 232 to 235, 246 to 248, 253, 259 to 283, 287, 288, 290 to 298, 546, 547, 554 to 569, 571 to 575, 577 to 579, 581, 583 to 587, 589, 592, 603, 605 to 612 of Therku Koppuchitampatti Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by M/s. The Ramco Cements Limited - For Environmental Clearance.	9882	<p>The authority noted that the subject was appraised in the 376th SEAC meeting held on 05.05.2023. Based on the presentation and document furnished by the proponent, the PP has requested to defer the proposal until the transfer of file from the EAC which had issued the ToR under the provisions of MoEF Guidelines.</p> <p>The SEAC will deliberate on the proposal after hearing from the PP.</p> <p>In view of this, the authority after deliberations, decided to request Member Secretary, SEIAA to communicate the minutes of the 376th SEAC meeting to the project proponent.</p>
8.	Proposed Lime Kankar quarry over an extent of 498.87.0 Ha in SF.No. parts of 14, 15, 19 to 22, 30 to 33, 40, 41, 43, 44, 54, 55, 56, 58, 59,	9883	<p>The authority noted that this proposal was placed for appraisal in 376th meeting of SEAC held on 05.05.2023 and The SEAC noted,</p>


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	62, 63, 65, 66, 79, 80, 84, 86 to 91, 93 to 101, 103 to 109, 111 to 122, 124, 130, 202, 205 to 218, 222 to 224, 227 to 229, 232 to 240, 244 to 248, 253 to 257, 263, 295 to 305, 340 at Suddhamadam Village, Aruppukottai Taluk, Virudhunagar District, Tamil Nadu by M/s.The Ramco Cements Limited - For Environmental Clearance.		<p>(i) Earlier, the PP has filed ToR application to MoEF and the proposal was deliberated in 4th EAC meeting held during 23-24.04.2019 and ToR was granted dated 15.05.19.</p> <p>(ii) Now the PP has applied for EC to SEIAA, TN based on notification SO 1886(E) dated 20.04.2022.</p> <p>Based on the presentation and document furnished by the proponent, the PP has requested to defer the proposal until the transfer of file from the EAC which had issued the ToR under the provisions of MoEF Guidelines.</p> <p>The SEAC will deliberate on the proposal after hearing from the PP.</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 05.05.2023.</p>
9.	Proposed Rough Stone and Gravel lease area over an extent of Extent 1.31.0 Ha at S.F.No. 181/1B, 181/1C, 181/1D, 181/1E & 182/7B of Mallakottai Village, Singampunari Taluk, Sivagangai District, Tamil Nadu by Thiru. A. Megavarnam,- For Environmental Clearance.	9884	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussion, SEIAA decided to obtain the following additional details from the PP.</p> <p>1. The project proponent shall furnish the certified compliance report issued by MoEF & CC for its existing EC.</p>
10.	Proposed Rough Stone and Gravel lease area over an extent of Extent 1.41.5 Ha at S.F.No. 26/2 (P), 27/3 (P) & 28 (P) of Kuppam Village,	9864	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023 and SEAC has furnished its recommendations for granting</p>

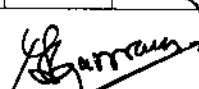

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<p>Pugalur Taluk. Karur District, Tamil Nadu by Thiru.R.Kandasamy,- For Environmental Clearance.</p>	<p>Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity 27085 m³ of Rough Stone & 966 m³ of Gravel and the depth of mining upto 26m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and
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		<p>environmental norms should be strictly followed as per the EMP.</p> <ol style="list-style-type: none"> 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. 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 & 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. 7. The project proponent shall store/dump Weathered Rock & Topsoil generated within the earmarked area of the project site and the utilize the same for mine closure. 8. The project proponent shall spend EMP cost of Rs.82.844 Lakhs/ 5 Years including capital & recurring cost with 5% inflation cost anticipated every year as committed. 9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the CER cost is Rs.5.0 Lakhs and the amount shall be spent for the Panchayat Union Primary School, Punnamsathiram Village,
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			<p>K.Paramathi Union, Karur District as committed, before obtaining CTO from TNPCB.</p> <p>10. All the trees listed within the proposed mining area shall be transplanted all along the boundary.</p> <p>11. The PP shall ensure protection for the list of shrubs, herbs, climbers and the threatened/endangered vulnerable species within the proposed mining area as mentioned in the documents submitted.</p> <p>12. The PP shall ensure that the Wildlife habitat and Biodiversity shall not be disturbed.</p> <p>13. The PP shall ensure no impact on surrounding waterbodies and water course by the way of soil erosion, etc.</p>
11.	Proposed Gravel lease area over an extent of Extent 1.00.0 Ha at S.F.No. 157 of Valaiyapatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru.K.Ramamoorthy- For Environmental Clearance.	9871	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity 13514 m³ of Gravel and the depth of mining upto 2m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in</p>



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		<p>addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. 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. 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
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		<p>committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. The project proponent shall store/dump Topsoil generated within the earmarked area of the project site and the utilize the same for mine closure.</p> <p>8. The project proponent shall spend EMP cost of Rs.15.84 Lakhs/ 2 Years including capital & recurring cost with 5% inflation cost anticipated every year as committed.</p> <p>9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the CER cost is Rs.5.0 Lakhs and the amount shall be spent for the Government Higher Secondary School, Chatravellalpatti as committed, before obtaining CTO from TNPCB.</p> <p>10. All the trees listed within the proposed mining area shall be transplanted all along the boundary. if applicable</p> <p>11. The PP shall ensure protection for the list of shrubs, herbs, climbers and the threatened/endangered vulnerable species within the proposed mining area as mentioned in the documents submitted. if applicable.</p> <p>12. The PP shall ensure that the Wildlife habitat and Biodiversity shall not be disturbed.</p>
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			13. The PP shall ensure no impact on surrounding waterbodies and water course by the way of soil erosion, etc.
12.	Proposed Rough Stone & Gravel lease area over an extent of Extent 3.00.0 Ha at S.F.No. 762/3C2A (P) of Sivagalai Village, Eral Taluk, Thoothukudi District, Tamil Nadu by Thiru.S.Magesh - For Environmental Clearance.	9878	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity 336375 m³ of Rough stone and 118755 m³ Gravel and the depth of mining upto 30m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to

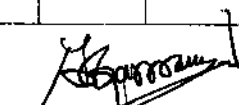

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		<p>ensure that they have all been adhered to and implemented.</p> <ol style="list-style-type: none"> 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. 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. 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 & 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. 7. The project proponent shall store/dump Weathered Rock/Topsoil generated within the earmarked area of the project site and the utilize the same for mine closure. 8. The project proponent shall spend EMP cost of Rs.116.5 Lakhs/ 5 Years including capital &
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			<p>recurring cost with 5% inflation cost anticipated every year as committed.</p> <p>9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the CER cost is Rs. 7 lakhs and the amount Rs.2 Lakhs shall be spent for the Government School, Perukulam Village & Rs. 5 Lakhs to DFO, Thoothukudi towards conservation measure for Vallanadu Black Buck Sanctuary as committed, before obtaining CTO from TNPCB.</p> <p>10. All the trees listed within the proposed mining area shall be transplanted all along the boundary. if applicable.</p> <p>11. The PP shall ensure protection for the list of shrubs, herbs, climbers and the threatened/endangered vulnerable species within the proposed mining area as mentioned in the documents submitted. if applicable.</p> <p>12. The PP shall ensure that the Wildlife habitat and Biodiversity shall not be disturbed.</p> <p>13. The PP shall ensure no impact on surrounding waterbodies and water course by the way of soil erosion. etc.</p>
13.	Proposed Rough Stone & Gravel lease area over an extent of Extent 2.88.2 Ha at S.F.No. 838 (P)of Pudupatti Part -2 Village, Alangulam Taluk, Tenkasi District, Tamil Nadu by M/s. Kairali Blue	9885	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023 and SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and also the</p>

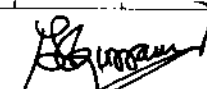

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	<p>Metals, - For Environmental Clearance.</p>	<p>safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity 438830 m³ of Rough stone and 47548 m³ Gravel and the depth of mining upto 34m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project
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		<p>Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <ol style="list-style-type: none"> 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 & 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. 7. The project proponent shall store/dump 45028 m³ of Weathered Rock & Topsoil generated within the earmarked area of the project site and the utilize the same for mine closure. 8. The project proponent shall spend EMP cost of Rs.334 Lakhs/ 10Years including capital & recurring cost with 5% inflation cost anticipated every year as committed. 9. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the CER cost is Rs. 5 lakhs and the amount shall be spent for the Government High School, Kasinathapuram as committed, before obtaining CTO from TNPCB. 10. All the trees listed within the proposed mining area shall be transplanted all along the boundary. if applicable.
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			<p>11. The PP shall ensure protection for the list of shrubs, herbs, climbers and the threatened/endangered vulnerable species within the proposed mining area as mentioned in the documents submitted. if applicable.</p> <p>12. The PP shall ensure that the Wildlife habitat and Biodiversity shall not be disturbed.</p> <p>13. The PP shall ensure no impact on surrounding waterbodies and water course by the way of soil erosion, etc.</p>
14.	Proposed Rough stone & Gravel Quarry over an Extent of 1.57.82 Ha at S.F.No. 38/1A1B(P) of Pappakudi part 1 Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu by Thiru. R. Vijayakumaran Nair -For Environmental Clearance	9865	<p>The Authority noted that this proposal was placed for appraisal in this 376th Meeting of SEAC held on 05.05.2023. During the appraisal, the SEAC had observed the following:</p> <ol style="list-style-type: none"> 1. The Solar Panel Power units are situated at a distance of 278 m from the boundary of proposed quarry, i.e., in the Extremely Sensitive Zone considering the risk from the flyrock due to blasting operations in the proposed quarry. 2. The proposed quarry is freshly planned in the current location where no other such quarries are operating within 1 km and the Solar Panel structure has been installed before the commencement of this quarry proposal processing. 3. The proposed quarrying operation involving blast-induced vibrations & flyrock due to rock blasting operations and dust pollution due to huge excavation & hauling operations may severely damage the existing solar panel structures.


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4. Besides, this proposal attracts the following legal implications:

- (i). Under the provisions of Tamil Nadu Minor Mineral Concession Rules, 1959, Rule 36 (1-A) (a) says

"...No lease shall be granted for quarrying stone within 300 meters (three hundred meters) from any inhabited site: Provided that the existing 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".

Similarly, Rule 36 (1-A) (c) also indicates

"...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 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....".

In view of the above reasons, the SEAC decided that not to recommend the proposal for the grant of Environmental Clearance.


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			In view of the above, SEIAA accepts the decision of SEAC and decided to request the Member Secretary to grant rejection letter to the proponent as per the 376 th Meeting of SEAC held on 05.05.2023. Hence, this file may be closed and recorded.
15.	Existing Quartz and Feldspar mine over an Extent of 1.62.0 Ha at S.F.Nos. 1656/1(p) & 1656/2 of Pachapalayam Village, Kangayam Taluk, Tiruppur District, Tamil Nadu by Thiru. C. Karnan -For Environmental Clearance.	9872	<p>The Authority noted that the subject was appraised in the 376th SEAC meeting held on 05.05.2023. During the presentation, the SEAC had noted the following;</p> <ol style="list-style-type: none"> 1. Quarrying in this lease area was earlier carried out by Tvl. Omega Enterprises without obtaining Environmental clearance. 2. Subsequently, Tvl. Omega Enterprises has obtained Terms of Reference under Violation from SEIAA-TN vide Lr No.SEIAA-TN/F.No.6620/TOR-534/2018 Dated: 30.07.2018 for the Existing Quartz and Feldspar Mines over an extent of 1.22.0 Ha at S.F. No. 1656/2 of Pachapalayam Village, Kangayam Taluk, Tiruppur District in the name of M/s. Omega Granites. 3. Meanwhile, the Project Proponent, Thiru. C. Karnan has submitted an application vide online proposal No. SIA/TN/MIN/420601/2023, dated:02.03.2023 to obtain Environmental Clearance for the Existing Quartz and feldspar Quarry over an Extent of 1.62.0 Ha at S.F.No. 1656/1(p) & 1656/2 in Pachapalayam Village, Kangayam Taluk, Tiruppur District, Tamil Nadu without disclosing previous history. <p>Based on the deliberations and presentation by the PP, the SEAC decided to obtain the following,</p>


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			<ol style="list-style-type: none"> 1. Explanation from the EIA coordinator and PP for hiding the facts. 2. Details from the PP and EIA Coordinator on the previous history to get clarification on whether the project comes under violation or not. <p>On receipt of the above details, SEAC would further deliberate on this project and decide the further course of action.</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 05.05.2023.</p>
16.	Proposed Rough stone, Jelly and Gravel Quarry over an Extent of 2.77.50 Ha at S.F.Nos. 138 & 150/1, 2A of Gopalapuram Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.S.Devaraj -For Environmental Clearance	9879	<p>The Authority noted that the subject was appraised in the 376th SEAC meeting held on 05.05.2023. 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 recommendation of SEAC and the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 79142.5m³ of Rough Stone & 86,340m³ of Gravel by restricting the depth of mining upto 15m Below Ground Level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to</p>


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the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
5. 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.
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


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			committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.
17.	Proposed Residential cum Commercial Building Project at Survey Nos.: 17/2A2 in Vaipootanpatti Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu by Mr. Saravanakumar Natesan - For Environmental Clearance.	9886	<p>The Authority noted that this proposal was placed for appraisal in this 376th meeting of SEAC held on 05.05.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'C' of this minutes in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. The proponent must setup children's play area and the area should be earmarked before obtaining CTE from TNPCB.
18.	Proposed "Construction of new multistoried "C" type quarters at Todhunter Nagar, Saidapet, Chennai" at Survey No: Block No. 27 - T.S No. : 1-13 of Todhunter Nagar Village, Saidapet Taluk and Chennai District by M/s. Public Works Department--for Environmental Clearance.	9866	<p>The Authority noted that the subject was appraised in 376th meeting of SEAC held on 05.05.2023 and the SEAC noted that the Project Proponent was absent for the meeting. Hence the SEAC decided to defer the subject to a later date directing the Proponent to furnish reason for the absence.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the decision of the SEAC to the Project Proponent.</p>
19.	Proposed Rough stone quarry over an Extent of 2.70.34 Hectares of Patta land in S.F.Nos. 159/2(P),	9873	The Authority noted that the subject was appraised in 376 th meeting of SEAC held on 05.05.2023 and it is minuted that,

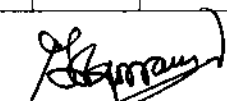

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	<p>159/3(P), 159/4(P), 159/5(P) and 159/16(P) .of Vellar Village, Mettur Taluk, Salem District, Tamil Nadu by Thiru. P. Manjunath for Environmental Clearance</p>		<p>On perusal of the documents furnished by the Project Proponent, the SEAC noticed that the patta of mine lease area is a joint patta and one of the survey numbers is common for this and an adjacent quarry which is under operation. Hence the Committee decided to call for the following details from the PP:</p> <ol style="list-style-type: none"> 1. PP shall furnish the registered consent obtained from the other pattadars or furnish subdivided survey number for mine lease area. 2. Implications of the project on the drainage pattern of surface runoff and check dam located nearby. 3. Slope stability Action Plan for the existing highwall at one side of the quarry to maintain atleast 10 m safety berm for the proposed working. <p>On receipt of the details/documents sought above the Committee will further deliberate and decide on future course of action.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the decision of the SEAC to the Project Proponent.</p>
<p>20.</p>	<p>Proposed Construction of Highrise Residential Development at T.S.No. 1/4, 1/5, 1/17, 1/18, 1/19, 1/20, 1/21, 1/23, 1/24, 1/25, 1/31, 1/32, Block No.64 of Koyambedu Village, Aminjikarai Taluk and Chennai District by M/s.</p>	<p>9887</p>	<p>The Authority noted that the subject was appraised in 376th meeting of SEAC held on 05.05.2023 and SEAC has furnished its recommendations for the grant of Environmental Clearance for the project subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to call for the following additional details/documents from the project proponent:</p>


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	Appaswamy Real Estate Limited- for Environmental Clearance.		<ol style="list-style-type: none"> 1. Patta copy of the survey numbers. 2. Approval for fresh water supply and treated water disposal. 3. Traffic NOC 4. Fire NOC 5. Airport NOC 6. Evacuation plan 7. Disaster Management Plan <p>On receipt of the details/documents sought above the Authority will further deliberate and decide on future course of action.</p>
21.	Proposed Sand quarry project over an extent of 25.31.7 Ha of Nanganjiyar River Basin (Government land) in S.F.No. 225, 226 and 227, of Vadakadu Village of Oddanchatram Taluk, Dindigul District, Tamil Nadu State by Executive Engineer (Public Works Department / Water Resources Department - Nanganjiyar Basin Division), Palani-for Environmental Clearance.	8788	<p>The Authority noted that the subject was appraised in 376th meeting of SEAC held on 05.05.2023 and the SEAC noted that the Project Proponent was absent for the meeting. Hence the SEAC decided to defer the subject to a later date directing the Proponent to furnish reason for the absence.</p> <p>In view of the above, the Authority decided to request the Member Secretary, SEIAA to communicate the decision of the SEAC to the Project Proponent.</p>
22.	Proposed Karimbedu Sand Quarry Project for Restoring the Functional Efficiency of the Kosasthalaiyar River over an Extent of 4.95.0Ha of Government land in S.F.No. 187 (Part) of Kosasthalaiyar (Nagari) River in Karimbedu Village, Pallipattu Taluk, Tiruvallur District, Tamil Nadu by the	9645	<p>The authority noted that the subject was appraised in 376th SEAC meeting held on 05.05.2023.</p> <p>SEAC decided to defer the proposal and take up in the ensuing meeting.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 376th SEAC held on 05.05.2023 to the project proponent.</p>

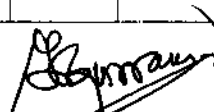

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	Executive Engineer, PWD/WRD – For Environmental Clearance.		
23.	Proposed Sand quarry over an extent of 4.90.0 Ha in Thenpennai River located at S.F.No.1(P) in Akkadavalli Village, Panruti Taluk, Cuddalore District, Tamil Nadu by The Executive Engineer, PWD/WRD, Villupuram– For Environmental Clearance.	9474	The Authority noted that the subject was appraised in the 376 th SEAC meeting held on 05.05.2023. During the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting. 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 05.05.2023.
24.	Proposed sand quarry lease over an extent of 4.95.0 Ha at S.F.No. 256 and 257 (Part) of Sathamangalam (Ananthimedu) Village. Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu by M/s. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirappalli - For Environmental Clearance.	9291	The Authority noted that the subject was appraised in the 376 th SEAC meeting held on 05.05.2023. During the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting. 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 05.05.2023.
25.	Proposed sand quarry lease over an extent of 4.90.0 Ha at S.F.No. 242 (Part) of Srinivasanallur Village. Thottiyam Taluk, Tiruchirappalli District, Tamil Nadu by the Executive Engineer, Water Resources Department, Mining and Monitoring Division. Tiruchirappalli - For Environmental Clearance	9292	The Authority noted that the subject was appraised in the 376 th SEAC meeting held on 05.05.2023. During the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting. 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 05.05.2023.


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26.	Proposed Sand quarry over an extent of 4.95.0 Ha in Cauvery river located at SF. No. 47 (P) of Bommalapalayam village, Paramathi Vellore Taluk, Namakkal District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD- For Environmental Clearance.	9458	The authority noted that this proposal was placed for appraisal in 376 th meeting of SEAC held on 05.05.2023. During the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting. In view of the above, the Authority decided to request Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent.
27.	Proposed Sand quarry over an extent of 4.93.0 Ha in Cauvery river located at S.F.No: 170 (P), Sarkar Manapalli Village, Mohanur Taluk, Namakkal District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD- For Environmental Clearance.	9492	The authority noted that this proposal was placed for appraisal in 376 th meeting of SEAC held on 05.05.2023 and during the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting. 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 05.05.2023.
28.	Existing sand quarry in Cauvery River poramboke land at S.F.No.1(P), over an extent of 4.90.0Hectres in Kallapalli Village, Krishnarayapuram Taluk, Karur District, Tamil Nadu by The Executive Engineer, PWD/WRD, Mining & Monitoring Division, Tiruchirappalli - for Amendment for Environmental Clearance.	8261	The authority noted that the subject was appraised in 376 th SEAC meeting held on 05.05.2023 and SEAC decided to defer the proposal and to take up this proposal in any one of the ensuing SEAC meetings. 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 05.05.2023.
29.	Proposed sand quarry in Vellaru river over an extent of 4.48.0Ha at S.F.No.241/1 (P) & 242/1 (P), Vasistapuram Village, Kunnam	9824	The authority noted that the subject was appraised in 376 th SEAC meeting held on 05.05.2023 and SEAC decided to defer the proposal and to take up this proposal in any one of the ensuing SEAC meetings.


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	Taluk, Perambalur District, TamilNadu by The Executive Engineer, Public Works Department, WRD, Mining and Monitoring Division, Tiruchirappalli – For Environmental Clearance.		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 05.05.2023.
30.	Proposed Sand quarry lease in Palar River over an extent of 3.90.0 Ha at S.F.No 134(P) in Chithathur Village, Gudiyatham Taluk, Vellore District, Tamil Nadu by The Executive Engineer, WRD, Mining and Monitoring Division, Chennai -For Environmental Clearance	9825	The Authority noted that the subject was appraised in the 376 th SEAC meeting held on 05.05.2023. During the presentation, committee decided to defer the proposal and take up for appraisal in the ensuing meeting. 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 05.05.2023.
31.	Proposed Earth Quarry lease over an Extent of 1.50.5 Ha in S.F.No. 192/1 of Thiyagavalli Village, Cuddalore Taluk, Cuddalore District, Tamil Nadu by Thiru.R.Muthukumaran – For Environmental clearance	9674	Earlier, the proposal was placed in the 612 th authority meeting held on 17.04.2023 & 18.04.2023. The authority noted that the subject was appraised in the 365 th SEAC meeting held on 23.03.2023. SEAC has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein. The Authority, after detailed discussions, decided to consider the proposal after obtaining the following particulars from the project proponent: i) The proponent shall furnish a detailed mineral composition study of the proposed project site obtained from an accredited institute. ii) The proponent shall furnish a NOC obtained from TN Agricultural Department

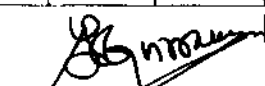

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		<p>regarding the productivity of the site and it's non-fitness for agriculture so as to carry out earth mining in the project site which is surrounded by agricultural lands.</p> <p>iii) The proponent shall furnish a NOC obtained from local panchayat for carrying out earth removal in the proposed site.</p> <p>The proponent, vide letter dated.22.05.2023 furnished a reply for the above queries/details requested in the 612th authority meeting.</p> <p>The Authority after examining the reply/details furnished by the proponent and also taking into account the recommendations of SEAC, the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity of 19,096m³ of Earth for the restricted depth of 2m above ground level as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period. 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to
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			<p>ensure that they have all been adhered to and implemented.</p> <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <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 & 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>
32.	Proposed Earth Quarry over an extent of 1.47.5Ha at SF.No.1285/ 1A & 1285/ 2A of Mottanuthu Village, Andipatti Taluk, Theni	9433	The authority noted that the subject was earlier appraised in 359 th SEAC meeting held on 02.03.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance.


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	<p>District by Thiru.R. Thangapanidan - For Environmental Clearance.</p>	<p>Subsequently, the proposal was placed in the 605th Authority meeting held on 28.03.2023.</p> <p>Authority after detailed deliberation, decided to call for additional details</p> <ol style="list-style-type: none"> The PP shall change all the documents from "Earth" to "Ordinary Earth" as per the TN G.O. (Ms). No.244, dated. 14.12.2022. <p>Upon the receipt of aforesaid details, further deliberation shall be done.</p> <p>Subsequently, the proponent had furnished the details called for to this O/o SEIAA on 18.05.2023.</p> <p>Based on the above reply furnished by the proponent, the subject was placed in 623rd Authority meeting held on 30.05.2023.</p> <p>After detailed discussions, the Authority taking into account the recommendations of SEAC and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted quantity of 16,380 m³ of Earth for the depth of mining up to 2m BGL as per the mine plan approved by the Department of Geology & Mining. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <ol style="list-style-type: none"> Keeping in view of MoEF&CC notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
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		<ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented. 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. 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. 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 & 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.
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33.	Proposed Red Earth & Pebbles quarry lease over an extent of 2.20.5 Ha in S.F.No.6/1 (P), Mathiyanur Village, Ulundurpet Taluk, Kallakurichi District, by Thiru R.Arun - For Environmental Clearance	9624	<p>The Authority noted that the subject was appraised in 364th meeting of SEAC held on 29.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. The Authority decided to call the following details from project proponent:</p> <ol style="list-style-type: none"> 1. To ensure sustainable, scientific and systematic mining, the Authority has decided to restrict the depth of mining to 2m BGL. Hence the Proponent shall furnish the hard copy of the duly approved revised mining quantity for the restricted depth. 2. The Proponent shall submit the request for withdrawal of the online ToR application as committed. <p>On receipt of the aforesaid details/documents the subject will be taken up for further deliberation and to decide on future course of action.</p> <p>The Project furnished the details sought vide letter dated 15.05.2023 and hence the subject was placed in this 623rd meeting of Authority held on 30.05.2023. After detailed discussions, the Authority decided to accept the withdrawal of the online ToR application and 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 production quantity of 16,560 m³ of Red Earth & 16,790 m³ of Pebbles to the restricted depth of 2m BGL in a period of two years as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC &</p>
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all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.
5. 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.
6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year


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			<p>wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p> <p>7. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p>
34.	Proposed Rough stone & Gravel quarry lease over an extent of 0.92.31 Ha in S.F.No. 242/1A1A, 246/1B, 2461C2, 246/1K1, 247/2A2A, 247/2A2B and 247/2A2C1 Polipakkam Village of Sholinghur Taluk, Ranipet District, Tamil Nadu by Thiru A.M.Krishnan- For Environmental Clearance.	9545	<p>The authority noted that the subject was appraised in 362nd meeting of SEAC held on 09.03.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussions, the Authority decided to call for the following additional particulars from the Project Proponent.</p> <ul style="list-style-type: none"> • On perusal of the KML file it was noticed that there are two existing pits located in the mine lease area. Therefore, the PP shall furnish letter from AD/Mines stating the mining history of the aforesaid two existing pits. • The PP shall furnish certified compliance report obtained from MoEF&CC/TNPCB on the existing EC issued, if applicable. <p>On receipt of the same the Committee will further deliberate and decide on future course of action.</p> <p>Now the PP furnished the details/documents called for vide letter dated 16.05.2023 and hence the subject was placed in this 623rd meeting of Authority held on</p>


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30.05.2023. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to **grant Environmental Clearance for the production quantity of 53,236 m³ of Rough stone & 638 m³ of Gravel to a depth of 27m BGL in a period of 5 years** as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.
3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.
4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.


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			<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 & 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>7. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p>
35.	Proposed Rough Stone and Gravel Quarry Project over an extent of 1.03.5 Ha at S.F.No. 648 in Edirkottai Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru.S.Jacob Rajamani - for Environmental Clearance	7724	<p>The Authority noted that the subject was appraised in 349th meeting of SEAC held on 20.01.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>The Authority further noted that public complaints have been received against the proposed project. Hence SEIAA, after detailed discussions decided to call for the following particulars/clarifications:</p>


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		<p>1. In the KML file, two roads are seen running across and through the mine lease area. Hence the Member Secretary, SEIAA may obtain and furnish remarks on the public complaint from the District Collector, Virudhunagar.</p> <p>2. The proponent shall furnish details of the roads mentioned in the public complaint and impact of mining on people and gazing animals.</p> <p>On receipt of the aforesaid details/documents the subject will be taken up for further deliberation and to decide on future course of action.</p> <p>As directed by the Authority, letter was addressed to the District Collector, Virudhunagar calling for remarks on the public complaint against the proposed quarry. Now the PP has furnished the AD/Mines letter dated 05.05.2023 addressed to the Member Secretary, SEIAA TN and hence the subject was placed in this 623rd meeting of Authority held on 30.05.2023. After detailed discussions, the Authority decided to refer back the subject to SEAC for reappraisal as the public complaint dated 03.02.2023 against the proposed quarry was received after the appraisal of the project proposal by SEAC in its 349th meeting of SEAC held on 20.01.2023.</p>
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Annexure-'A'

EC Compliance

1. The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental Impact Assessment/ Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application.


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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.

Applicable Regulatory Frameworks

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

Safe mining Practices

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


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and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

Water Environment – Protection and mitigation measures

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

Air Environment – Protection and mitigation measures

17. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.


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

Soil Environment – Protection and mitigation measures

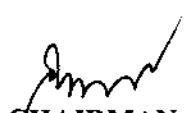
20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication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

Noise Environment – Protection and mitigation measures

28. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
29. The sound at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages


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located close to mining operations. Hence, the PP shall ensure that the biological clock of the villages are not disturbed because of the mining activity.

Biodiversity - Protection and mitigation measures

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

Climate Change

35. The project activity should not in any way impact the climate and lead to a rise in temperature.
36. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
37. Intensive mining activity should not add to temperature rise and global warming.
38. Operations should not result in GHG releases and extra power consumption leading to Climate Change.


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39. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.
40. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.
41. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.
42. Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.

Reserve Forests & Protected Areas

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

Green Belt Development

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

Workers and their protection


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54. 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.
55. 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.
56. The workers shall be employed for working in the mines and the working hours and the wages shall be implemented/enforced as per the Mines Act, 1952.

Transportation

57. 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.
58. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

Storage of wastes


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

CER/EMP

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

Directions for Reclamation of mine sites

63. 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.
64. 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.
65. 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.
66. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.


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67. 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.
68. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
69. 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.
70. 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.
71. 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.
72. 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.
73. 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.
74. 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


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following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.

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

Annexure 'C'

Climate Change

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

Health

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

Energy

11. The proponent shall adopt strategies to reduce electricity demand and consumption.
12. The proponent shall provide provisions for automated energy efficiency.
13. The proponent shall provide provisions for controlled ventilation and lighting systems.
14. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.


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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.
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.


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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.
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


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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.

44. The proponent shall ensure that all activities of EMP shall be completed before obtaining CTO from TNPCB.

45. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP. Also, the proponent shall explore possibilities to provide sufficient grass lawns.

Others

46. As per the 'Polluter Pay Principle', the proponent will be held responsible for any environmental damage caused due to the proposed activity including withdrawal of EC and stoppage of work.

47. The project proponent shall adhere to height of the buildings as committed.



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