

MINUTES

578th MEETING

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

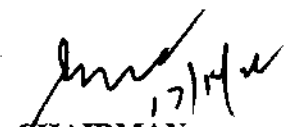
Date: 17.12.2022

**MINUTES OF THE 578th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 17.12.2022.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 577 th meeting of the Authority held on 14.12.2022 & 15.12.2022.		The minutes of the 577 th meeting of the Authority held on 14.12.2022 & 15.12.2022 was confirmed.
b)	The Action taken on the decisions of the 577 th meeting of the Authority held on 14.12.2022 & 15.12.2022.		The Member Secretary informed that 577 th Minutes uploaded in Parivesh wesbsite and action taken report will be putup ensuing meeting.
1.	Proposed Rough stone quarry lease over an extent of 3.52.0Ha at S.F.Nos. 314, 317/3 & 317/4 of Kothapulli Village, Dindigul West Taluk, Dindigul District, Tamil Nadu by Thiru. A. Jeyaraman – For Environmental Clearance	8558	<p>The authority noted that the subject was appraised in 333rd SEAC meeting held on 01.12.2022.</p> <p>Based on the presentation made by the proponent, SEAC decided to call for additional details</p> <ol style="list-style-type: none"> 1. The PP shall submit Certified Compliance Report obtained from the office of the concerned DEE/TNPCB (or) IRO, MoEF & CC, Chennai and appropriate mitigating measures for the non-compliance items, if any. 2. Videography evidence showing the Greenbelt development incorporating tree plantation (minimum 2000). 3. Videography evidence showing the Complete Installation of fencing along the boundary with proper garland drainage and settling / precipitation pond.


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		<p>4. Revised Plan & Section indicating the revised bench configurations duly approved by the competent authority.</p> <p>On receipt of the aforesaid details, the proposal will be considered for further deliberations.</p> <p>In addition to the above queries, the proponent shall submit the following details</p> <ol style="list-style-type: none"> 1. From the KML file uploaded by the proponent it appears that the proposed mine lease area is surrounded by Agricultural land. Further, the site itself appears to be an agricultural land. Hence, the proponent is requested to submit the following <ol style="list-style-type: none"> i. Impact of mining activity on productivity of crops in the surrounding agricultural land. ii. 10-year crops pattern and yield in the surrounding agricultural land and in the proposed mine lease area. iii. Impact on loss of land use pattern, impact on water including surface and groundwater. iv. Impact on Biodiversity, Horticulture. v. Possibility of Dust and Air Pollution impact on the neighboring Agricultural lands. <p>In view of the above, SEAC shall examine</p>
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			the above-mentioned queries in addition to the queries raised by SEAC. Hence, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.
2.	Proposed Multi Colour Granite quarry over an extent of 2.09.5 Ha at SF.No.1586/2, Sandanapalli Village, Denkanikottai Taluk, Krishnagiri District by M/s. Sri Vijay Krishana Granites Co. - For Environmental Clearance.	9213	<p>The Authority after detailed discussion with reference to specific condition (1) of SEAC, SEIAA decided to grant Environmental Clearance for a period of 5 years confining to the ultimate depth of mining 40m (10m AGL & 30m BGL) and the quantity 22568m³ of Multi Colour Granite (Recovery 60%) and the annual peak production shall not exceed 4695 Cu.m of Multicolour Granite (4th Year) as per approved mining plan issued by the Department of Geology & Mining subject to the standard conditions as per Annexure - (I) & all other specific conditions as recommended by SEAC & other normal conditions stipulated by MOEF&CC in addition to the following conditions & Conditions stated vide Annexure 'A'.</p> <ol style="list-style-type: none"> 1. The project proponent shall store/dump the 15045m³ of Granite Waste (Reject 40%), & 19,488 m³ of Weathered rock & 15104 m³ of Top soil generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mining plan. 2. The project proponent shall remit Rs. 5 Lakhs towards conservation


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			<p>measure for Cauvery Wild Life Sanctuary to DFO, Hosur before obtaining the CTO from the TNPCB, as the site lies within 10 km from the Sanctuary.</p> <p>3. The project proponent shall obtain prior permission from Regional Inspector of <i>Directorate General of Mines Safety, Chennai</i> before obtaining CTO from TNPCB.</p>
3.	Proposed Gravel Quarry over an extent of 1.44.0Ha at SF.No. 705/2 Kosanam 'B' Village, Nambiyur Taluk, Erode District, Tamil Naduby Tmt. S. Vijayalakshmi-for Environmental Clearance.	9359	<p>The Authority after detailed discussion and decided to get the following details from the PP on the receipt of the same it may be referred back to SEAC for further recommendations.</p> <ol style="list-style-type: none"> 1. The PP shall furnish the DFO letter stating the proximity distance of nearest RF, WLS etc., 2. The PP shall furnish a letter from AD mines stating the distance of nearby water bodies, Odai, canal etc., located adjoining to the proposed site. 3. The PP shall furnish the details of greenhouse gas emission, impact on soil erosion, Ground water table and change in Temperature pattern. 4. The PP shall revise the EMP to cover the above said points.
4.	Proposed Rough stone, Jelly & Gravel Quarry over an extent of 3.90.0Ha at SF.No. 882(P), 883/3B1, 883/3B2, 883/3B3,	9413	SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed


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	960/3 & 961/13 Vadakku Ariyanayagipuram Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Naduby Thiru. M. Joseph Antony - for Environmental Clearance.		discussion, SEIAA decided to grant Environmental Clearance for the production of 6,28,963 m ³ of Rough Stone & 58032 m ³ of Grave with an ultimate depth of 40m BGL subject to the conditions as recommended by SEAC in addition to the conditions stated vide Annexure A.
5.	Proposed Rough stone & Gravel Quarry over an extent of 3.42.7 at SF.No. 455/1(P), 455/2(P) & 456/1B(P) Kasthurengapuram Part-I Village, Tisayanvilai Taluk, Tirunelveli District, Tamil Naduby Thiru. J. Dinesh Kumar- for Environmental Clearance.	9436	<p>The Authority after detailed discussion and decided to get the following details from the PP on the receipt of the same it may be referred back to SEAC for further recommendations.</p> <ol style="list-style-type: none"> 3. The PP shall enumerate the permanent structures - which may belong to the PP or not - situated within 100m, 200m & 300m radius of the proposed mining area. 4. The PP shall furnish a report on the scientific studies carried out for the 'Cumulative impact of blast-induced ground/air vibrations, fly rock and dust caused due to the proposed Quarrying operations on the Surrounding Structures including Wind Mills, Habitations and Water bodies located within 300 m from the quarry lease', from any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, National Institute of Rock Mechanics (NIRM)-Bangaluru, IIT (ISM)-


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			<p>Dhanbad, NIT-Dept of Mining Engg, Surathkal.</p> <p>2. The PP shall furnish the details of greenhouse gas emission, impact on soil erosion, Ground water table and change in Temperature pattern.</p> <p>3. The PP shall revise the EMP to cover the above said points.</p>
6.	<p>Proposed Rough Stone and Gravel Quarry over an extent of 2.73.0Ha at SF.No.156/1, 156/2A and 156/3A of Kodangipatty Village, Bodinaickkanur Taluk, Theni District, Tamil Naduby Thiru. M.Thiyagarajan- for Environmental Clearance.</p>	9452	<p>The Authority after detailed discussion with reference to specific condition (1) of SEAC, SEIAA decided to grant Environmental Clearance for a period of 5 years confining to the ultimate depth of mining upto 30m BGL & the total production quantity of 203835m³ of Rough Stone & 35046 m³ of Gravel and the annual peak production shall not exceed 41795 m³ of Rough Stone, & 17990m³ of Gravel as per approved mining plan issued by the Department of Geology & Mining subject to the standard conditions as per Annexure - (I) & all other specific conditions as recommended by SEAC & other normal conditions stipulated by MOEF&CC in addition to the following conditions & Conditions stated vide Annexure 'A'.</p> <p>1. The project proponent shall store/dump the 17017 m³ of Weathered Rock generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mining plan.</p> <p>2. As per the MoEF& CC office</p>


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			<p>memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the committed activities before SEAC such as 1. Tree Plantation (50 Nos.), 2. Repairing & renovation for both Girls & Boys Toilet, 3. Provision of tank for drinking water facility, 4. Fencing of school Compound Wall, & 5. Rack for library with books to the Government Middle School, Valayapatty Village before obtaining CTO from TNPCB.</p> <p>3. The project proponent shall obtain prior permission from Regional Inspector of <i>Directorate General of Mines Safety, Chennai</i> before obtaining CTO from TNPCB.</p>
7.	Proposed Rough stone & Gravel Quarry over an extent of 4.88.0Ha at SF.No.780, 781/1, 781/2, 782/1, 782/2(P), 783/1(P), 783/2(P), & 786 of Kumbikulam Village, Radhapuram Taluk, Tirunelveli District, Tamil Naduby M/s.Mars Mining - for Environmental Clearance.	9473	<p>The authority noted that this proposal was placed for appraisal in this 333rd meeting of SEAC held on 01.12.2022 and the SEAC decided to call for certain additional particulars as follows.</p> <p>1. The PP shall enumerate the permanent structures which are belongs to the PP & not belongs to the PP, situated within 100m, 200m & 300m radius of the proposed mining area.</p>


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			<p>2. The PP shall furnish a report on the scientific studies carried out for the 'Impact of blast-induced ground and fly rock due to the proposed Quarrying on the Surrounding Structures including Wind Mills and Habitations located within 200 m from the quarry lease', from any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, National Institute of Rock Mechanics (NIRM)-Bangaluru, IIT (ISM)-Dhanbad, NIT-Dept of Mining Engg, Surathkal.</p> <p>3. The Project proponent shall furnish revised EMP including mine closure plan.</p> <p>4. The Project proponent shall furnish revised production quantity for ultimate depth of mining upto 50m.</p> <p>5. The project proponent shall photograph of barbered wire fencing and green belt provided.</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 01.12.2022</p>
8.	Proposed Rough Stone & Gravel Quarry over an extent of 0.49.70Ha at SF.No.566/1 (Part) of Panayampalli Village, Sathyamangalam Taluk, Erode District by Thiru.G.A.Venkatesan - for Environmental Clearance.	9487	The Authority after detailed discussion with reference to specific condition (1) of SEAC, SEIAA decided to grant Environmental Clearance for a period of 5 years confining to the ultimate depth of mining upto 25m BGL & the total production quantity of 33420m ³ of Rough Stone & 3080 m ³ of Gravel but not


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			<p>exceeding the annual peak production shall not exceed 7875m³ of Rough Stone, & 1650m³ of Gravel as per approved mining plan issued by the Department of Geology & Mining subject to the standard conditions as per Annexure - (I) & all other specific conditions as recommended by SEAC & other normal conditions stipulated by MOEF&CC in addition to the following conditions & Conditions stated vide Annexure 'A'.</p> <ol style="list-style-type: none"> 1. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs. 5 Lakhs and the amount shall be spent for the committed activities before SEAC such as 1. Ceiling Fan, Beero, & Chair, 2. Environmental related library Books & Rag., 3. Compound Wall & Smart Board., 4. Tree Plantation., & 5. Painting for Buildings to the Government Middle School, Kodapalayam Village before obtaining CTO from TNPCB. 2. The project proponent shall obtain prior permission from Regional Inspector of Directorate General of Mines Safety, Chennai before obtaining CTO from TNPCB.
9.	Proposed Rough stone quarry lease over an extent of 2.08.50 Ha	9495	SEAC has furnished its recommendations to the Authority for granting Environmental


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	inS.F.No: 278, Billanakuppam Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.C.Murugesan- For Environmental Clearance.		<p>Clearance to the Project subject to the conditions stated therein. After detailed discussion, SEIAA decided to grant Environmental Clearance for the restricted quantity of 2,12,320 cu.m of Rough stone are permitted with ultimate depth up to 22m (4m AGL + 18m BGL) (2m Topsoil + 20m Rough stone) considering the safety aspects for a period of 5 years approved by the Department of Geology & Mining subject to the conditions as recommended by SEAC in addition to the following conditions& conditions stated vide Annexure A.</p> <p>1. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for the Government Model Higher Secondary School, Billanakuppam village, Krishnagiri District as committed, before obtaining CTO from TNPCB.</p>
10.	Proposed Rough Stone &Gravel Quarry over an extent of 2.50.0Ha at SF.No.488/1, 488/3A (P), 489/2 (P) and 491/1 (p) of Kasthuriengapuram part - 1 Village, Tisayanvilai Taluk, Tirunelveli District, Tamil Nadu	9508	<p>The authority noted that this proposal was placed for appraisal in this 333rd meeting of SEAC held on 01.12.2022 and the SEAC decided to call for certain additional particulars as follows</p> <p>1. The Project proponent to furnish letter from DFO, Thirunelveli indicating</p>


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	by Thiru.R.Jagan- for Environmental Clearance.		<p>proximity of reserve forests, Pas, Sanctuaries, etc.</p> <p>2. The PP shall furnish a report on the scientific studies carried out for the 'Impact of blast-induced ground and fly rock due to the proposed Quarrying on the Surrounding Structures including Wind Mills and Habitations located within 200 m from the quarry lease', from any of the reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, National Institute of Rock Mechanics (NIRM)-Bangaluru, IIT (ISM)-Dhanbad, NIT-Dept of Mining Engg, Surathkal.</p> <p>3. The Project proponent shall furnish revised EMP including mine closure plan.</p> <p>4. The Project proponent shall furnish revised production quantity for ultimate depth of mining upto 40m.</p> <p>5. The project proponent shall photograph of barbered wire fencing and green belt provided</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 01.12.2022.</p>
11.	Proposed Rough stone and Gravel quarry lease over an extent of Over an extent of 4.59.0hectares of Patta land in S.F.Nos. 661/2C,	9509	The authority noted that this proposal was placed for appraisal in this 333 rd meeting of SEAC held on 01.12.2022 and based on the presentation made by the proponent, the


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<p>661/2D, 661/2E, 661/2F, 661/2G, 661/2H, 662/2B, 662/2C, 662/2D, 662/2E, 662/2F, 662/4D, 662/4E, 662/4F, 662/4G, 662/4H, 662/4I, 662/4J, 662/4K, 662/5A and 662/5B of Alividaithangi Village, Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu by M/s.Rajiraj Minerals Private Limited- For Environmental Clearance.</p>	<p>SEAC called for the following details from the PP.</p> <ol style="list-style-type: none"> 1. The PP shall carry out an Intensive Hydrogeological study around 5km radius from the mining lease by involving a reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Dhanbad, IIT-Madras, CSIR-National Environmental Engineering Research Institute (Madras Complex), Chennai and Anna University Chennai-Centre for Water Resources, CEG Campus, etc. as the proposed lease area is located between two major waterbodies. The report shall spell out the Implications of proposed quarrying activity on the water bodies and agricultural forms around the mining lease area. 2. The PP shall furnish the details of the tank, extent of the tank and Ownership of the tanks, ayacut, details of cultivation, distance from the site, etc, within 1 km radius around the proposed mining area from the Govt records. 3. Similar details for Tiruppanur Tank. <p>After detailed discussions, the Authority decided to obtain the following details from the PP in addition to the above.</p> <ul style="list-style-type: none"> • The PP shall carry out a study on
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			<p>Biodiversity in the proposed mining area.</p> <ul style="list-style-type: none"> • The impacts of mining on flora, fauna & soil microorganisms in the mining area shall be studied. • The PP shall furnish details of soil erosion management and soil conservation plan. • Impacts of mining on the roads situated in the vicinity of the project area shall be studied. <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 01.12.2022.</p>
12.	Proposed rough stone & gravel quarry lease area over an extent of 4.19.0 Ha at S.F.Nos. 193/1, 193/2 & 193/3, Chennimalai Village, Perundurai Taluk, Erode District, Tamil Nadu by Thiru. P. Thamilarasu- For Environmental Clearance	8819	<p>The authority noted that this proposal was placed for appraisal in 329th meeting of SEAC held on 01.12.2022 and the SEAC decided to remit back the proposal to SEIAA. After detailed discussion the authority decided to obtain the following details from the PP,</p> <p>(i) The PP shall submit reason for withdrawing the proposal.</p>
13.	Proposed Rough Stone and Gravel quarry lease over an extent of 1.24.0 Ha in S.F.No. 171/3 (P) & 172/7B(P) of Irukkanthurai Part -II Village, Radhapuram	9537	<p>SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed discussion, SEIAA decided to grant</p>


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	<p>Taluk, Tirunelveli District, Tamil Nadu by M/s.Venus Blue Metals - for Environmental Clearance.</p>	<p>Environmental Clearance for the quantity as per the mine plan for a period of 5 years approved by the Department of Geology & Mining subject to the conditions as recommended by SEAC in addition to the following condition & conditions stated vide Annexure A.</p> <ol style="list-style-type: none"> 1. The mining should have no impact on biodiversity, agriculture and horticulture around the mining area and adjacent lands. There should not be any loss and change of land use. 2. Mining should not result in water imbalances and disrupt the underground water table. The activity should not result in GHG emission, rise in temperature nor cause dust and air pollution impacting the livelihood in the surrounding areas. 3. Water should be effectively utilized. Opencast mining should not result in emission of SO₂, NO₂ and other obnoxious fumes and affect the health. The EMP should be strictly adhered and the mine closure plan shall be implemented. 4. The mining shall not cause disturbances to local villages, agricultural fields nor disturb the livelihood of the neighbouring areas. 5. As per the MoEF& CC office memorandum F.No.22-65/2017-
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			<p>IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs.5 lakhs and the amount shall be spent for the activities detailed in the SEAC minutes before obtaining CTO from TNPCB.</p>
14.	<p>Proposed Punganthurai Magnesite & Dunite Mine Project over an extent of 3.63.5 ha in S.F.No. 527/B1 at Punganthurai Village, Dharapuram Taluk, Tiruppur District, Tamil Nadu by Er. A. S. Shankar Ganesan – For Terms of Reference.</p>	7589	<p>The authority noted that this proposal was placed for appraisal in this 333rd meeting of SEAC held on 01.12.2022 and the SEAC noted that during the meeting the PP has requested for additional time to furnish the point wise clarification asked by the SEAC. Therefore, SEAC decided to defer the proposal.</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 01.12.2022.</p>
15.	<p>Proposed Rough stone and Gravel quarry lease over an extent of 1.69.4 Ha in S.F.No: 140/1 (P), 140/2A(P), 140/3A(P), 141/1A(P), 141/2A(P) & 141/3A(P) Athipalayam Village, Pugalur Taluk, Karur District, Tamil Nadu by Thiru.K.Manisekaran- For Environmental Clearance.</p>	8717	<p>SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed discussion, SEIAA decided to grant Environmental Clearance for the reduced quantity of 1,58,750 cu.m of Rough Stone & 2,976 Cu.m of Gravel restricting the ultimate depth of mining upto 42m BGL considering the safety aspects with the annual peak production capacity shall not exceed 37,030 cu.m of Rough Stone & 992 Cu.m of Gravel for a period of 5 years</p>


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			<p>approved by the Department of Geology & Mining subject to the conditions as recommended by SEAC in addition to the following conditions& conditions stated vide Annexure A.</p> <p>1. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 as accepted by the Project proponent the revised CER cost is Rs. 5 lakhs and the amount shall be spent for the Panchayat Union Middle School, Athipalayam village, Karur District as committed, before obtaining CTO from TNPCB.</p>
16.	<p>Proposed Rough stone and Gravel quarry lease over an extent of 0.67.5 Ha in S.F.No: 839/1A2 of Thulaiyanur Village, Thirumayam Taluk, Pudukkottai District, Tamil Nadu by Thiru.S.Kalaiselvan- For Environmental Clearance.</p>	9179	<p>The authority noted that this proposal was placed for appraisal in this 333rd meeting of SEAC held on 01.12.2022 and during the meeting the PP has requested for additional time to produce the said details in 293rd meeting of SEAC held on 23.06.2022. Therefore, SEAC decided to defer the proposal.</p> <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 01.12.2022.</p>


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17.	Proposed Gravel quarry lease area over an extent of 0.56.50 Ha at S.F. No. 522/2 Karungal Village, Killioor Taluk, Kanniyakumari District, Tamil Nadu by Thiru K. Siva - For Environmental Clearance.	8838	<p>The authority noted that the subject was appraised in 333rd SEAC meeting held on 01.12.2022.</p> <p>From the presentation made and documents submitted by the PP, the SEAC after having the detailed discussions and in view of the additional information now made available, decided to reverse its earlier decision and not to recommend the proposal for Environmental Clearance.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary, SEIAA-TN to grant rejection letter to proponent as per the 327th SEAC minutes.</p>
18.	Proposed Sand quarry over an extent of 4.98.0 Ha in Agniyaru & Nariyur river located at S.F.Nos. 1/4 (P), Echanviduthui Village, Karambakudi Taluk, Pudukkottai District Tamil Nadu by the Executive Engineer, PWD/WRD- Amendment for Environmental Clearance.	9297	<p>The Authority after detailed discussion accepts the recommendation of 33rd SEAC meeting held on Dt: 01.12.2022 and the Authority has decided to grant of Amendment for the Environmental Clearance issued vide EC. Lr.No. SEIAA-TN/F.No.9297/EC No.5256/2022, dt: 30.08.2022 for the latitude and longitude coordinates of all corners of the proposed sand quarry site as per mining plan submitted and subject to all the conditions stipulated vide EC Lr.No. SEIAA-TN/F.No.9297/EC No.5256/2022, dt: 30.08.2022 which remains unchanged & unaltered.</p>
19.	Proposed Sand quarry over an extent of 4.90.0 Ha located at S.F.No: 333 (Part), Echambadi	9553	<p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance for</p>


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	<p>Village, Pallipattu Taluk, Tiruvallur District, Tamil Nadu by the Executive Engineer, PWD/WRD- For Environmental Clearance.</p>	<p>the quantity as per the mine plan for a period of 1 year approved by the Department of Geology & Mining subject to the conditions as recommended by SEAC in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. The proponent shall ensure that the activities should in no way result in disturbance to forest and trees in vicinity. 2. The proponent shall ensure that the operations shall not result in loss of soil biological properties and nutrients. 3. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations. 4. The river area restoration protocols should be strictly adhered with appropriate sand soil rehabilitation measures to ensure ecological stability of the area maintain flow of river. 5. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. 6. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. 7. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and ground water, nor cause any pollution, to water sources in the area.
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		<p>8. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.</p> <p>9. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.</p> <p>10. The proponent shall ensure that the activities shall not disturb the agro biodiversity and agro farms all agriculture activities in the village around.</p> <p>11. The proponent shall ensure that the activity shall not result in invasion by invasive alien species.</p> <p>12. The proponent shall ensure that activity shall not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soils and water.</p> <p>13. 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.</p> <p>14. The proponent shall ensure that the activities should not impact the water bodies/wells in the neighbouring open wells and bore wells nor impact the water table and levels.</p>
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		<p>15. The proponent shall ensure that the activities should not disturb the resident and migratory birds.</p> <p>16. The proponent shall ensure that the activities should not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.</p> <p>17. The proponent shall ensure that the activities should not disturb the vegetation and wildlife in the adjoin reserve forests and areas around.</p> <p>18. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands and reserve forests. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.</p> <p>19. Activities and operations should not deteriorate the physical, chemical biological constituents of the river eco system and the water quality should not be affected.</p> <p>20. All efforts should be taken for eco restoration and maintain of the river and the river embankment for sustainable management of the river eco system.</p> <p>21. Activities should not pollute the water in the river by garbage and dumping of wasted and the Riparian vegetation</p>
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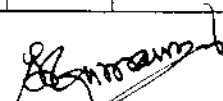

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		<p>should not be affected waste water should not be released into the river.</p> <p>22. Activities should not affect the human health in the area, particularly causing pandemics and disease.</p> <p>23. There should be no disturbance to the river ecosystem due to any irrational human use during the sand mining activities.</p> <p>24. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.</p> <p>25. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.</p> <p>26. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.</p>
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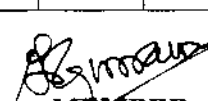

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		<p>27. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.</p> <p>28. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project Proponent shall ensure that the road may not be damaged due to transportation of the quarried sand; and transport of sand will be as per IRC Guidelines with respect to complying with traffic congestion and density.</p> <p>29. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.</p> <p>30. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure</p>
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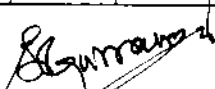

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			<p>and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.</p> <p>31. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.</p> <p>32. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent liable for legal action in accordance with Environment and Mining Laws.</p> <p>33. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.</p> <p>34. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the</p>
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			<p>Precise area communication letter issued by concerned District Collector should be strictly followed.</p> <p>35. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the of this minute.</p> <p>36. The project proponent shall strictly adhere to Standard Environmental Conditions for Sand Mining Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 by MoEF & CC.</p>
20.	Proposed Limestone Mine Lease over an extent of 4.67.0 Ha at S.F.NoS.F. Nos. 6/4, 8/3, 8/4A, 8/4B, 8/5A, 8/5B, 8/5C, 8/5E, 8/6A, 8/6B, 8/6C, 8/7 & 8/8 Karuppursenapathy Village, Ariyalur Taluk & District, Tamil Nadu by Thiru. S.Saravanan – For Environmental Clearance under violation category.	6230	<p>SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed discussion, SEIAA decided to obtain the following details from the PP.</p> <p>1. The amount prescribed for Ecological remediation (Rs.3.00 Lakhs), natural resource augmentation (Rs.2.40 lakhs) & community resource augmentation (Rs.2.40 Lakhs), totaling Rs. 7.80 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 7.80 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN.</p>


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			<p>2. The amount committed by the Project proponent for CER (Rs. 5.00 Lakhs) shall be remitted in the form of DD to the beneficiaries (Rs. 2.50 lakhs each to the school) for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.</p> <p>3. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.</p> <p>4. The company shall obtain 'No Dues Certificate' from State Government i.e. Department of Geology & Mining within a period of two weeks if it is not already obtained and submit the same to SEAC before grant of EC.</p>
21.	Proposed Rough stone quarry over an extent of in S.F.No. 245/2(part) of Irukkandurai Part – II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by M/s.Hi-Tech Rock Products & Aggregates Limited -For Environmental Clearance.	9503	The Authority noted that the subject was placed in the 333 rd meeting of SEAC held on 23.11.2022. SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. After detailed discussion, the Authority with reference to specific condition (1) of SEAC, SEIAA decided to grant Environmental Clearance as per the mine plan period for 5 year as approved by


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			<p>the Department of Geology & Mining subject to the standard conditions as per Annexure - (I) & all other specific conditions as recommended by SEAC & other normal conditions stipulated by MOEF&CC in addition to the following conditions & Conditions stated vide Annexure 'A':</p> <p>4. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 accepted by the Project proponent, the revised CER cost is Rs.5 Lakh and the amount shall be spent for the activities committed during appraisal in SEAC before obtaining CTO from TNPCB.</p>
22.	Proposed Construction of Hotel / Serviced Residences/ Apart-Hotel / Office Cum Retail & EWS Apartment in T.S. No:1/1, 1/2, 1/3, 1/4, 1/12, 1/13 and 1/16 In Block:16 of Vadagaram Village, Aminjikarai Taluk Chennai District, Tamil Nadu by Thiru AP. Arunachalam Represented By AMPA Housing Development Private Limited - For Environmental Clearance	7536	<p>After detailed deliberations, the Authority accepted the recommendations of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC in addition to the following conditions and conditions stated therein vide Annexure 'C':</p> <p>1. All the replies given for the queries raised shall be adhered in letter and spirit.</p>
23.	Proposed construction of High rise building for residential purposes in S.No. 127/1, 127/2, 127/3, 131, 132/2, 132/1A.	7312	<p>After detailed deliberations, the Authority accepted the recommendations of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by</p>


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	132/1B, 132/3, 133, 130/1A, 130/1B, 134/1A2, 134/1C, 134/1D & 134/2B of Siruseri Village, Tiruporur Taluk, Kanchipuram district, Tamil Nadu by M/s. L&T South City Projects Pvt. Ltd. Eden Park Township Phase 2 - For Environmental Clearance		SEAC in addition to the following conditions and conditions stated therein vide Annexure 'C': 1. All the replies given for the queries raised shall be adhered in letter and spirit.
24.	Proposal seeking Environment Clearance for the Proposed Construction of Group Development by M/s Hiliving Royal Hommes LLP at Old S.No. 1014 part, 1015 Part, 1016 part , Old T.S.Nos.1/1 part (New T.S No. 1/9) & Old S.No. 1014/1 part Old T.S.No 1/3 part (New T.S.No 1/11), Ward B, Block No 24 of Madhavaram Village, Madhavaram Taluk, Tiruvallur District, Tamil Nadu.	9451	The Authority after detailed discussion and decided to get the following details from the PP. 1. From the KML it seems that there are lot of trees and green patches are there, hence the PP shall furnish the details/types of Vegetation located in the project site. 2. The details of impact on the vegetation by the project proposal. 3. The PP shall furnish the details of impact on soil erosion, Ground water table and letting out of excess sewage and change in Temperature pattern. 4. The traffic study analysis report shall be furnished. 5. The PP shall revise the EMP to cover the above said points. Based on the reply furnished by the PP it was again been placed in 578 th SEIAA meeting held on 17.12.2022. Authority after detailed discussion and decided to refer back to SEAC


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			for the necessary recommendation on the PP's reply.
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Annexure-'A'

1. 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.
2. 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.
3. 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.
4. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.
5. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.
6. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and ground water, nor cause any pollution, to water sources in the area.
7. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.
8. 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.


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9. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agro forestry, mixed plants to support biodiversity conservation in the mine restoration effort.
10. 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.
11. 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
12. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.
13. 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.
14. 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.
15. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) to be planted.
16. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).
17. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.
18. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.
19. 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.
20. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.
21. 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.
22. 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.


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Directions for Reclamation of mine sites

1. 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.
2. 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.
3. 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.
4. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
5. 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.
6. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
7. 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.
8. 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.


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9. 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.
10. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemical, 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.
11. 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 reestablishing 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 ecofriendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
12. Efforts should to taken to aesthetically improve the mine site. Generally there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be resorted to restore the site by adding soil humas and mycorrhiza.
13. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

Annexure-'C'

1. 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.
2. 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.


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3. The proponent shall periodically test the treated sewage through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB.
4. 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.
5. All the construction of Buildings shall be energy efficient and conform to the green building norms. The PP shall ensure that carbon neutral building.
6. The project proponent shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.
7. The proponent shall ensure that no form of municipal solid waste shall be disposed outside the proposed project site at any time.
8. All bio-safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.
9. The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
10. The project proponent shall adhere to height of the buildings as committed.
11. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
12. 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.
13. 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.
14. The proponent shall ensure that provision should be given for proper utilization of recycled water.
15. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
16. All the Buildings shall be energy efficient and confirm to the green building norms.
17. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.
18. The proponent shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.


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19. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.
20. The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
21. 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.
22. 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.
23. The proponent shall provide the emergency exit in the buildings.
24. The proponent shall provide elevator as per rules CMDA/DTCP.
25. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as to ensure continuous and efficient operation.
26. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
27. The project proponent shall adhere to storm water management plan as committed.



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