

MINUTES

627th MEETING

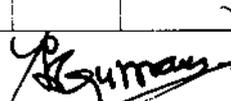
**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMIL NADU**

Date: 06.06.2023

MINUTES OF THE 627th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HELD ON 06.06.2023.

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 626 th meeting of the Authority held on 05.06.2023.		The minutes of the 626 th meeting of the Authority held on 05.06.2023 was confirmed.
b)	The Action taken on the decisions of the 626 th meeting of the Authority held on 05.06.2023.		The Member Secretary informed that 626 th Minutes uploaded in Parivesh website and action taken report will be putup ensuing meeting.
1.	Proposed Establishment of Common Bio-Medical Waste Treatment Facility at S.F.No. 58/1, 58/2, 59/1A(Pt) & 59/1B (Pt) of Melpakkam Village, Uthiramerur Taluk, Kanchipuram District. Tamil Nadu by M/s. S Growth Alliances LLP- For Terms of Reference.	9744	<p>The authority noted that the subject was appraised in the 380th SEAC meeting held on 17.05.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing for undertaking the Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions:</p> <p>i) The impact of the proposed project on humans and animals, especially on those located in the vicinity of the project site shall be studied in detail.</p> <p>ii) The impact of the project activity on natural resources such as water, soil, etc., shall be studied.</p> <p>iii) The impact of the project activity on the health of the staff & the safety measures adopted shall be discussed in detail.</p> <p>iv) A detailed plan including operation, maintenance, storage, transport and disposal</p>

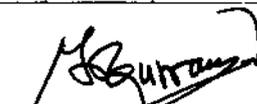

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			involved in the proposed project activity shall be furnished. v) The proponent shall furnish a detailed action plan for training of manpower for handling bio-medical waste.
2.	Proposed Expansion of Residential Apartment at R.S.No. 273/48(p), & 274/49(p) Block- No. 17, Purasaiwakkam Village, Purasaiwakkam- Perambur Taluk, Chennai District, Tamil Nadu by M/s. Sanklecha Infra projects Private Limited- For Environmental Clearance under violation	8556	The Authority noted that the subject was appraised in the 380 th SEAC meeting held on 17.05.2023. Based on the presentation made and documents furnished by the project proponent. SEAC decided to make on-the spot site-inspection by the sub-committee constituted by SEAC to assess the present status of the project and environmental settings as the proposal falls under violation category. Further the sub- committee will assess the ecological damage and also to check the Remedial Plan & Community Augmentation Plan submitted by the Project Proponent during the inspection. 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 17.05.2023.
3.	Proposed Expansion of Existing Special Economic Zone over an area of 63.03 Ha & Total Builtup area > 1,50,000 Sq.m at SIPCOT Industrial Park, Phase -II, Sunguvachatram Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu by M/s. FIH India Developer Pvt Ltd - For Terms of Reference (ToR) Under Violation	10001	The authority noted that the subject was appraised in 380 th SEAC meeting held on 17.05.2023 and SEAC has recommended for granting Terms of Reference (ToR) under violation category, subject to the certain ToRs stated therein in addition to the standard terms of reference for EIA study and details issued by the MoEF & CC to be included in EIA/EMP report. Further, this ToR granted will be legally subject to the outcome of the case W.P (MD). No. 11757 of 2021 pending before Hon'ble Madurai Bench of the High Court of Madras.


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		<p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category for undertaking the Environment Impact Assessment Study and preparation of Environment Management Plan subject to the standard terms of reference in addition to the conditions as recommended by SEAC & following conditions in addition to the conditions in 'Annexure D' of this minute. Further, this ToR granted will be legally subject to the outcome of the case W.P (MD). No. 11757 of 2021 pending before Hon'ble Madurai Bench of the High Court of Madras.</p> <ol style="list-style-type: none">1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants within a period of one year from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
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4.	<p>Recommendations for releasing the Bank guarantee for the value of Rs. 4.83 Crores remitted towards Ecological remediation, Natural resources Augmentation and Community resources Augmentation under EIA Notifications dated 14.3.2017 & 08.03.2018 (violation category) for Proposed Expansion of IT Park and Change in Concept from IT building, Hotel, Residential Complex & Retail Shop (Built up area 3,75,328 Sq.m) to IT Park comprising Block A-F and Utility Block, Serviced Apartment & Conventional Centre (Built Up area 6,65,940 Sq.m) at Block No. 6, T.S. Nos. 2/3 & 3/2, Kanagam Village of Guindy-Mambalam Taluk & Block No. 4, T.S. No. 2/1, Thiruvanmiyur Village of Mylapore-Triplicane Taluk, Chennai District, Tamil Nadu by M/s. TRIL Info Park Limited.</p>	7268	<p>This proposal was placed in the 380th meeting of SEAC held on 17.05.2023. The SEAC accepted the documents & details furnished by the Project Proponent and decided to recommend the release of Bank Guarantee to SEIAA.</p> <p>The Authority noted that the spent amount for ecological damage remediation plan & Natural resource augmentation plan is lesser than the amount prescribed by SEAC and the authority felt that the details furnished by the PP during the 380th meeting of SEAC held on 17.05.2023 are not adequate for releasing the Bank Guarantee.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary SEIAA-TN to obtain the following details from the PP,</p> <ol style="list-style-type: none"> 1. The proof of providing Computer lab, readymade Toilets, CCTV to the Chennai Hr. Sec. School, Tharamani shall be obtained from the Head Master/Head Mistress. 2. The Proof of spending the CER cost (Rs. 3.75 Crores) shall be submitted. 3. Is the Project Management Consultant cost included in the spent amount for ecological damage remediation plan & Natural resource augmentation plan expenses? If so, how can this cost be added against the ecological damage remediation plan & Natural resource augmentation plan expenses?
5.	<p>Construction of new multi-storeyed "C" type quarters at Todhunter Nagar, Saidapet, Chennai" at Survey No: Block No. 27 – T.S No. : 1-13 of Todhunter Nagar Village,</p>	9866	<p>The Authority noted that the subject was appraised in 380th meeting of SEAC held on 17.05.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p>

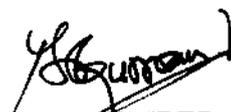

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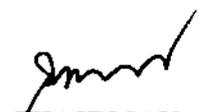

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<p>Saidapet Taluk and Chennai District by the proponent, M/s. Public Works Department—for Environmental Clearance</p>	<p>After detailed discussions, the Authority accepted the recommendations of SEAC and decided to grant Environmental Clearance as recommended by the SEAC subject to the conditions stated therein & the normal conditions stated in Annexure C in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. The survey numbers of this project exclude the S.F.Nos. pertaining to the existing “B” type quarters for which ToR under violation category has been issued vide T.O Lr. No SEIAA-TN/F.No. 9477/Violation/ToR-1381/2023 dated 27.02.2023. 2. The proponent shall provide dedicated cycling track for the children. 3. The proponent shall provide individual energy meter and flow meter for the water pipeline in each dwelling unit so as to conserve water. 4. The proponent shall deploy cost-effective technology to reduce GHG emissions. 5. The proponent shall adopt strategies to develop carbon-neutral or zero-carbon building. 6. The proponent shall adopt strategies to reduce emissions during operation (operational phase and building materials). 7. The proponent shall adopt strategies to decarbonize the building. 8. The proponent shall adopt strategies to maintain the health of the inhabitants. 9. The proponent shall adopt strategies to reduce electricity demand and consumption. 10. The proponent shall provide provisions for automated energy efficiency.
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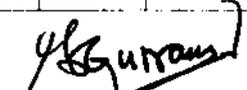

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		<p>11. The proponent shall provide provisions for controlled ventilation and lighting systems.</p> <p>12. The proponent shall adopt strategies to reduce temperature including the Building Façade.</p> <p>13. The proponent shall adopt methodologies 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.</p> <p>14. The proponent shall provide solar panels and contribute to the grid from the solar panel as proposed.</p> <p>15. The proponent shall adopt methodology to control thermal environment and other shocks in the building.</p> <p>16. The proponent shall adopt strategies to reduce anthropogenic GHGs such as CO₂, CH₄, nitrous oxide, etc., resulting from human activities.</p> <p>17. The database record of environmental conditions of all the events from pre-construction, construction and post-construction should be maintained in digitized format.</p> <p>18. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,</p>
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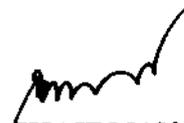

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		<p>19. The proponent should develop an emergency response plan in addition to the disaster management plan.</p> <p>20. The proponent should maintain environmental audits to measure and mitigate environmental concerns.</p> <p>21. The proponent shall develop building-friendly pest control strategies by using non chemical measures so as to control the pest population thereby not losing beneficial organisms.</p> <p>22. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.</p> <p>23. 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.</p> <p>24. The proponent shall develop detailed plan to reduce carbon footprints and also develop strategies for climate proofing and climate mitigation.</p> <p>25. The proponent shall adopt strategies to ensure that the buildings in blocks do not trap heat and become local urban heat islands.</p> <p>26. 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.</p> <p>27. The proponent shall adopt strategies to prevent bird hits.</p>
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			<p>28. The proponent shall ensure that the building does not create artificial wind tunnels creating cold water and uncomfortable living conditions resulting in health issues.</p> <p>29. The proponent shall develop detailed evacuation plan for disabled people and a safety evacuation plan in emergencies.</p>
6.	Proposed Modernization and Upgradation of Chennai Fishing Harbour, Kasimedu at SF.No. 3483, 3482, 3514, 3515, 3522, 3524, 4321, 4342, 4343, 3457, 3485, 3464, 3527, 3518 Kasimedu Village Chennai Taluk Chennai District Tamil Nadu by M/s Chennai Port Authority-for Amendment to Terms of Reference.	9798	<p>The Authority noted that the subject was appraised in 380th meeting of SEAC held on 17.05.2023. SEAC has furnished its recommendations for granting amendment to the Terms of Reference issued vide T.O letter dated 07.03.2023 subject to the conditions stated therein.</p> <p>The Authority after detailed discussions accepted the recommendations of the SEAC and decided to grant amendment to the Terms of Reference issued vide T.O letter dated 07.03.2023 along with the following additional ToR:</p> <ol style="list-style-type: none"> 1. Enlist all the species of fish handled/to be handled in the port. 2. The study proposal shall include impact due to toxic compounds like paints, packaging material, shredded ice etc 3. To elaborate the impact of proposed construction on the population of sea crustaceans such as crabs, molluscs and other life forms. 4. Impact on fresh water quality, underground water and soil environment. 5. To detail the strategy to be adopted for waste reduction at the port.

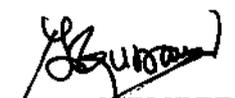

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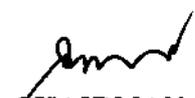

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			<ol style="list-style-type: none"> 6. The study proposal shall address the impact of the construction activity on the food cycle/food chain. 7. The study proposal shall include impacts such as sea warming and acidification including deoxygenation due to the proposed and post construction activity. 8. Steps taken to combat pollution caused by plastics, pesticide etc 9. To detail the safety measures taken to prevent over fishing 10. Impact on invasive species shall be detailed. 11. Study shall include impact on the rights of the local community living near the coastal area. 12. Study shall include impact on the terrestrial, coastal and and marine biodiversity, flora and fauna. 13. To detail how the proposed project will influence the blue economy. 14. Strategy to be adopted for raising conservation awareness among local community. 15. To study the impact due to increase in the footfall (fish vendors, public and employees). 16. To detail the method adopted for disposal of biological waste, blood waste, etc 17. To elaborate the measures taken to ensure the safety standard and the health of people working in the area. 18. Implications of construction activities on the local ecology shall be detailed.
7.	Proposed Construction of Multi Super Specialty Hospital Building	10033	The authority noted that the subject was appraised in the 380 th SEAC meeting held on 17.05.2023. SEAC


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	in Government Pentland Hospital at Survey Nos. 693, 961 & Block.No.13, 16 of Vellore Taluk, Vellore District, Tamil Nadu by M/s. Public Works Department - For Environmental Clearance		<p>has furnished its recommendations to the authority for granting environmental clearance subject to the conditions stated therein.</p> <p>The Authority, after detailed deliberations decided to consider the proposal after obtaining the following details from the project proponent:</p> <ul style="list-style-type: none"> a) The proponent shall upload the Presentation presented before the Committee during the 380th SEAC meeting in the PARIVESH Portal. b) From the KML file uploaded in the PARIVESH Portal, it is ascertained that structures/buildings are located within the project area. Hence, the proponent shall furnish the details of the structures/buildings located within the proposed project area including the nature & purpose of the buildings, their built-up area, details of EC obtained earlier, if any, etc. c) From the details furnished by the proponent, it is ascertained that the Permissible FAR for the proposed site is 0.8 whereas the proposed FAR is 1.87. The proponent shall furnish justification and also the approval obtained from the competent authority for the same.
8.	Existing New Building for Collectorate and other offices located at S.F.No. 191 Ward B, Block 4, T.S no.36 and others Tenkasi village, Tenkasi Taluk, Tirunelveli District, Tamil Nadu by M/s. Executive Engineer, PWD,	9321	<p>The authority noted that the subject was appraised in 380th SEAC meeting held on 17.05.2023.</p> <p>Based on the presentation made by the proponent, SEAC decided to constitute a sub-committee to make on-site inspection to examine the present status of the proposed project, environmental settings besides assessing the ecological damage assessment, remediation plan, natural resource</p>

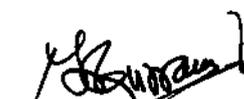

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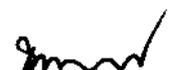

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	Buildings (C&M) Division- For Environmental Clearance		<p>augmentation and community resource augmentation furnished by the sub-committee.</p> <p>After the receipt of the site evaluation and ecological assessment report by the Sub-committee, the SEAC will deliberate on the issue of Environmental Clearance under violation category.</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 380th SEAC held on 17.05.2023 to the project proponent.</p>
9.	Proposed Black Granite (Dolerite) lease area over an extent of 1.91.0 Ha in S.F.No. 530/1, 530/2 at Puligunda Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Bannari Amman Sugars Limited- For Extension of validity of Environmental Clearance	3776	<p>The Authority noted that the subject was appraised in 380th meeting of SEAC held on 17.05.2023. 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 recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the restricted excavation quantity of RoM: 21,756m³, Grey Granite (Product@35% recovery) – 7,615 m³, Granite Waste (65%)- 14,141 m³ and to the restricted depth of 17m in 3 years (2023-2026) as per the approved mining plan. This is also subject to the standard conditions as per Annexure - (I) of SEAC minutes, other normal conditions stipulated by MOEF&CC & all other specific conditions as recommended by SEAC in addition to the following conditions and the conditions in Annexure 'A' of this minutes.</p> <p>I. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O.</p>


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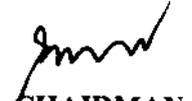

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		<p>1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of mine 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 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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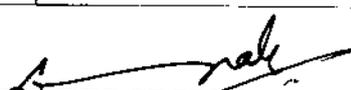
			<p>should be brought to the notice of concerned authorities during inspections.</p> <p>7. The project proponent shall store/dump Top soil, Weathered Rock & Granite Waste generated within the earmarked area of the project site and the utilize the same for mine closure as per the approved mine closure plan.</p>
10.	<p>Existing Black Granite quarry over an extent of 3.68.5 Ha in S.F.No. 781(Part), 744(Part), 526/2A, 526/2B, 526/3A, 526/3B, 529/2(Part), 529/3(Part), 529/4(Part), 531/1(Part), 531/2(Part) and 531/3(P) at Puligunda Village, Bargur (Formerly Krishnagiri) Taluk, Krishnagiri District, Tamil Nadu by M/s. Bannari Amman Sugars Limited - For Environmental Clearance.</p>	7844	<p>The authority noted that the subject was appraised in 380th SEAC meeting held on 17.05.2023.</p> <p>Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance. 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 quantity of RoM – 47,957 m³, Black Granite quarry @ 20% recovery – 9592 m³ & Granite waste – 38,365 m³ for the depth of mining up to 49.5m (below ground level) as per the mine plan approved by the Department of Geology & Mining for a period 2023-24 to 2027-28. 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> <p>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</p>


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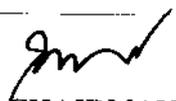

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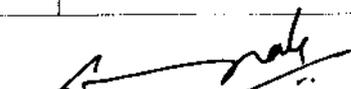
		<p>Clearance is valid as per the approved mine plan period.</p> <ol style="list-style-type: none"> 2. The EC granted is valid only for Black Granite @ 20% Recovery. 3. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. 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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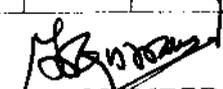

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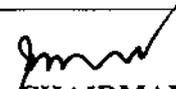

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			should be brought to the notice of concerned authorities during inspections.
11.	Dalmia Bharat Sugar and Industries Ltd at Chettichavadi Jaghir Magnesite and Dunite Mines, to an extent of 449.364 Ha in Chettichavadi village, Salem Taluk and District, Tamilnadu. Salem District Survey Report for Dunite to be approved by SEIAA, Tamilnadu as per Minutes of Meeting of EAC, MOEF, New Delhi dated 17.01.2023- Reg	C: No. 6013/2013	<p>The authority noted that this proposal was placed for appraisal in 380th meeting of SEAC held on 17.05.2023. Based on the recommendation of the sub-committee, SEAC decided to endorse District Survey Report prepared for the mineral - Dunite by the Dept of Geology & Mining and approved by the District Administration, which establish that the mineral resource of Dunite is existing along with the magnesite in the mine lease hold area of an extent of 449.364 Ha in Chettichavadi Village, Salem District, Tamil Nadu owned by Dalmia Bharat Sugar and Industries Ltd and therefore SEIAA may send a suitable reply to MoEF.</p> <p>After detailed discussions, the Authority accepted the recommendation of SEAC and decided to request the Member Secretary, SEIAA to send the letter to MoEF & CC, New Delhi in this regard.</p>
12.	Existing Black Granite Quarry lease over an extent of 1.09.0 Ha at S.F.No.1/12, 2/3A, 4/1B & 123/9B2, Semangalam & Kunnam Villages, Vanur Taluk, Villupuram District, Tamil Nadu by M/s. Karthik Raja Exports for Environmental Clearance under violation	6216	<p>The authority noted that this proposal was placed for appraisal in 380th meeting of SEAC held on 17.05.2023 and the SEAC decided to recommend the issue of Environmental Clearance under violation subject to certain conditions stated therein.</p> <p>In view of the above, the authority after detailed discussion decided to refer back the proposal to SEAC for following clarification.</p> <p>1. The SEAC shall furnish the specific recommendation on the quantity of the products.</p>
13.	Proposed Environmental Clearance for the Existing Black Granite	1193	The Authority noted that the subject was appraised in 380 th meeting of SEAC held on 17.05.2023. SEAC


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	Quarry over an extent of 6.59.91 Ha. at S.F. Nos. 83 (Part) of Jamanahalli Village, Pappireddipatti Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For Environmental Clearance under violation.		has furnished its recommendations for granting Environmental Clearance under violation category subject to the conditions stated therein. The Authority decided to refer back the subject to SEAC for furnishing the recommended quantity of RoM, Black Granite and the depth of mining permitted along with mine plan period so as to grant Environmental Clearance under violation category for the project.
14.	Proposed Colour Granite Quarry lease over an extent of 22.88.5Ha at S.F.No. 55A/1B1 (Part) at Sengunam Village, Polur Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For Environmental Clearance.	4045	<p>The authority noted that this proposal was placed for appraisal in 380th meeting of SEAC held on 17.05.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>After detailed discussion, the Authority decided to request the Member Secretary, SEIAA to inform the proponent to furnish the following particulars as recommended by SEAC in the Minutes of 380th SEAC Meeting held on 17.05.2023.</p> <ol style="list-style-type: none"> 1. The amount prescribed for Ecological remediation (Rs. 9,15,400), natural resource augmentation (Rs. 11,44,250) & community resource augmentation (Rs. 16,01,950), totaling Rs. 36,61,600. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 36,61,600 in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

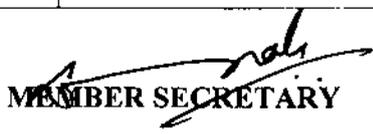

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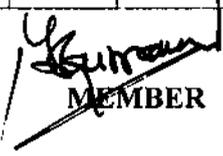

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2. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
3. The amount committed by the Project proponent for CER (Rs.9,15,400) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN. However, the PP shall supervise the work and submit the status of the work complied pertaining to the CER within a period of one year to the DEE/TNPCB and the SEIAA.
4. The PP shall furnish NOC from DFO regarding movement of wild animals/birds for the proposed mining activity before grant of EC.
5. The PP shall conduct and submit report on exposure survey for parameters such as silica/PM2.5 & PM10 to the nearby residents & employees before grant of EC.
6. The company shall obtain 'No Dues Certificate' from State Government i.e. Department of Geology & Mining within a period of two weeks and submit the same to SEAC before grant of EC, if not produced earlier.

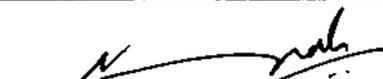
On receipt of above details, the Member Secretary is requested to place the proposal before the Authority for further course of action.

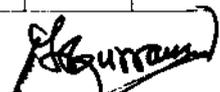

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15.	Proposed Development of Industrial Park in an area of 425.55 ha (1051.10 Acres) at E.Kumaralingapuram Village SF.Nos.134/1, 134/2, 134/3, 134/4, 134/5, 154/1, 154/2, 154/4A, 154/3, 154/4B, 155/1, 155/2, 155/3, 155/4, 155/5, 155/6, 155/7, 156/1, 156/2, 156/3, 156/4, 156/5, 156/6, 156/7, 156/8, 219/1, 219/2, 219/3, 220/1, 220/2, 220/3, 228/1, 228/2, 215/1A, 215/1B, 215/2, 215/3, 216, 217, 234/1, 234/4, 234/2, 234/3, 235/1, 235/2, 235/3, 235/4, 235/5A, 235/5B, 231/1, 231/2, 231/3, 231/4, 231/5, 231/6, 232/1, 232/5, 232/2, 232/3, 232/4, 232/6A, 232/6B1, 232/6B2, 229/1, 229/2, 229/3, 229/4, 226/6A, 227/1, 227/2, 227/3, 227/4, 227/5, 222/1, 222/2A, 222/2B1, 223, 224, 225/1, 225/2A, 225/3, 225/4, 225/5, 225/6A1, 225/6B1A, 225/6B1B, 221/1, 221/2, 221/3, 230/1, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 206, 207, 233/1, 233/2A, 233/2B, 233/2C, 233/2D, 233/2E, 233/2F, 233/3, 235/6, 236, 237, 238/1, 238/2, 238/3, 238/4, 239/1A, 239/1B, 239/2, 239/3, 239/4, 239/5, 240, 263/1, 263/2, 263/3, 263/4A1, 263/4A2, 263/4B, 263/5A1,	9262	<p>The authority noted that the subject was appraised in 380th SEAC meeting held on 17.05.2023 and SEAC has recommended for grant of Environmental Clearance (EC), subject to the certain conditions stated therein.</p> <p>After detailed discussions, the Authority decided to defer the proposal and directs the PP to furnish following additional particulars</p> <ul style="list-style-type: none"> i) Details of revised breakup of total plot area including plot area allotted for proposed industrial housing complex with in the proposed SIPCOT. ii) Details of tower wise breakup of total built-up area for the proposed industrial housing complex with in the proposed SIPCOT. iii) Details of technology adopted for the proposed STP, Solid Waste Management along its design details for the proposed industrial housing complex with in the proposed SIPCOT. iv) Emergency evacuation plan for the proposed industrial housing complex with in the proposed SIPCOT. v) To furnish proposal conforming energy efficient and green building norms adhering to any one of the IGBC rating for the proposed industrial housing complex with in the proposed SIPCOT. vi) The proponent is requested to submit the cost-effective technology deployed to reduce GHG emissions. vii) The proponent is requested to submit the strategies that will be adopted to make it carbon neutral or zero carbon building.
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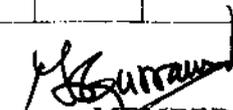

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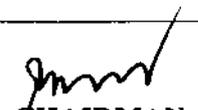

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<p>263/5A2, 263/5A3, 263/6A1, 263/6B1, 263/6C1, 263/7, 263/8A, 263/9A, 263/10A, 263/11, 263/12A, 264/1, 264/2, 264/3, 264/4, 264/5, 264/6, 264/7, 265/2, 265/3, 265/4, 265/5, 266/1, 266/2, 266/3, 266/4, 266/5, 266/6, 266/8, 266/7, 266/9, 266/10, 266/11, 266/12, 266/13, 266/14, 266/15, 267/1, 267/2, 267/3, 267/4, 267/5, 268/1A, 268/1B, 268/1C, 268/1D, 268/2, 268/3, 268/4, 269/1, 269/2, 269/3, 269/4, 269/5, 269/6, 269/7, 270/1, 270/2, 270/3, 270/4, 270/5, 270/6, 270/7, 270/8, 271/1, 271/2, 271/3, 271/4A, 271/4B, 271/5, 271/6, 271/7, 271/8, 271/9, 271/10, 272/1, 272/2, 272/3, 272/4, 272/5, 272/6, 272/7, 272/8, 272/9, 273/1, 273/2, 273/3, 273/4, 273/5, 273/6, 273/7, 273/8, 273/9, 273/10, 274/1, 274/2A, 274/2B, 274/3, 274/4, 275/1, 275/2, 275/3, 276/1, 276/2, 276/3, 276/4, 276/5, 277/1, 277/2A, 277/2B, 277/3, 277/4, 278/1, 278/2A, 278/2B, 278/3, 278/4, 278/5, 279/1, 279/2, 279/3, 279/4, 279/5A, 279/5B, 279/6, 279/7, 279/8, 279/9, 280/1, 280/2A, 280/2B, 280/3, 280/4, 280/5, 280/6, 280/7, 280/8, 281/1, 281/2, 281/3, 281/4, 281/5A, 281/5B, 281/6, 281/7, 281/8, 281/9, 281/10, 282/1,</p>	<p>viii) The proponent is requested to submit the strategies that will be adopted to reduce emissions during operation (operational phase and building materials)</p> <p>ix) The proponent is requested to submit the strategies that will be adopted to decarbonize the building.</p> <p>x) The proponent is requested to submit the strategies that will be adopted to maintain the health of the inhabitants.</p> <p>xi) The proponent is requested to submit the strategies that will be adopted to reduce electricity demand and consumption.</p> <p>xii) The proponent is requested to submit the details regarding the provisions for automated energy efficiency.</p> <p>xiii) The proponent is requested to submit the details regarding the provisions for controlled ventilation and lighting systems.</p> <p>xiv) The proponent is requested to submit the strategies that will be adopted to reduce temperature including the Building Façade.</p> <p>xv) The proponent is requested to submit the details regarding the methodology that will be adopted to effectively implement the SWM 2016, Plastic Waste Management 2016, and E – Waste 2016.</p> <p>xvi) The proponent is requested to furnish the details regarding the area coverage of solar panels and contribution to the grid from the solar panel proposed.</p> <p>xvii) The proponent is requested to submit the details regarding the methodology adopted to control</p>
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<p>282/2A, 282/2B, 282/2C, 283/1, 283/2A1, 283/2C1, 283/3A, 283/4A, 283/5, 283/6A, 80/1, 80/2A, 80/2B, 81/1, 81/2, 81/3, 81/4, 81/5A, 81/5B, 81/6, 81/7, 82/1, 82/2, 82/3, 82/4, 82/5, 82/6, 82/7, 82/8, 82/9, 83/1, 83/2, 83/3, 83/4, 83/5, 83/6, 83/7A, 83/7B, 83/8, 84/1, 84/2, 84/3, 84/4, 84/5A, 84/5B, 84/6, 84/7, 85/1, 85/2, 85/3, 85/4, 86/2, 86/3, 86/4, 86/5, 86/6, 99/1A, 99/1B, 99/1C, 99/1D, 99/1E, 99/2A, 99/2B, 99/2C, 99/3, 99/4, 99/5, 99/6, 99/7, 100/1, 100/2, 101/1, 101/2, 101/3, 101/4, 101/5, 101/6A, 101/6B, 101/6C, 101/6D, 101/6E, 101/6F, 171, 172, 173/1, 173/2, 173/3, 173/4, 173/5, 173/6, 173/7, 173/8, 173/9, 174/1, 174/2, 174/3, 174/4, 174/5, 174/6, 174/7, 174/8, 175/1, 175/2, 175/3, 175/4, 175/5A, 175/5B, 175/6, 176/1, 176/2, 176/3A, 176/3B, 176/4, 177/1, 177/2, 177/3, 177/4, 177/5, 177/6, 177/7, 177/8, 177/9, 178/1, 178/2, 178/3, 178/4, 178/5A, 178/5B, 179/1, 179/2, 179/3A, 179/3B, 179/4, 179/5, 179/6, 202/1, 202/2A, 202/2B, 202/3, 202/4, 202/5A, 202/5B, 202/6A, 202/6B, 203/1, 203/2, 203/3A1, 203/3A2, 203/3B, 203/4, 204/1, 204/2, 204/3, 204/4, 205/1,</p>	<p>thermal environment and other shocks in the building.</p>
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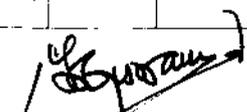
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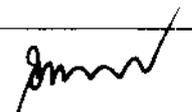
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MEMBER SECRETARY


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CHAIRMAN
SEIAA-TN

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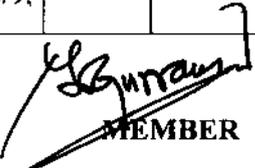
E.Muthulingapuram Village

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Thulukapatty Village SF.Nos.

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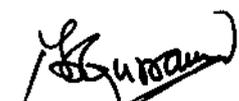

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	250/10, 250/11, 250/12, 250/13, 250/14, 250/15, 250/16, 250/17 Sattur & Virudhunagar Taluks, Virudhunagar District Tamil Nadu By M/s. State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) – For Environmental Clearance.		
16.	Proposed Construction of Teaching Hospital Building at S.F. No: 24/5, 24/6(pt), 24/7, 24/8, 24/9, 24/10, 24/11, 24/12, 24/13, 24/14, 24/16, 24/17, 24/18, 24/19, 25/11, 25/12, 25/13, 25/14, 25/15, 25/16, 25/17, 25/18, 26/6, 26/7,26/8, 26/14, 26/15, 26/19, 108/1, 108/2, 108/3, 108/4, 108/5, 108/6, 108/7, 108/8, 108/10, 108/12A2, 108/13 in Ongur Village/Panchayat Union at Tindivanam Taluk, Villupuram District, Tamil Nadu by M/s. Mailam Subramaniya Swamy Foundation at Takshashila University – For Environmental Clearance	9573	<p>Authority noted that this proposal was placed for appraisal in the 358th meeting of SEAC held on 24.02.2023 and SEAC has furnished its recommendation to the Authority for granting Environmental Clearance to the project subject to the conditions stated therein. Subsequently, the proposal was placed in the 604th Authority meeting held on 27.03.2023. After detailed discussions, the Authority decided to obtain following details from the PP.</p> <ol style="list-style-type: none"> 1. The Proponent shall furnish the detailed report on emission, noise and vibration due to the operations of DG sets as proposed. 2. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD. 3. The PP shall furnish an affidavit stating that we will not do any construction activity before obtaining EC. 4. The PP shall furnish an agreement made with HCFs/CBWTFs to reduce illegal dumping of BMW. 5. The PP shall furnish the gap-analysis studies undertaken by the concerned SPCBs/PCCs duly highlighting the difference in the BMW generated


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			<p>vis-à-vis the treatment capacity available.</p> <p>6. The PP shall furnish detailed Traffic analysis report.</p> <p>7. The PP shall study impact on Ongur lake, Water table and agricultural activities around the project site.</p> <p>8. The PP shall furnish detailed green belt plan covering more species like fruit bearing trees etc.,</p> <p>9. The project proponent shall submit STP and ETP Adequacy Report from reputed institutions.</p> <p>Subsequently, the proponent had furnished the details called for to this O/o SEIAA on 30.05.2023. Based on the above reply furnished by the proponent, the subject was placed in 627th Authority meeting held on 06.06.2023.</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 condition:</p> <p>1. The project proponent shall submit STP and ETP Adequacy Report from reputed institutions to TNPCB before obtaining CTO.</p>
17.	Proposed earth quarry lease over an extent of 1.42.0 Ha at S.F.Nos 411/1A, 411/1B, 412/16 and 412/17A Potturam Villahge, Uthamapalaym Taluk, Theni District, Tamil Nadu by Thiru. K Kathiravan - For Environmental Clearance.	9378	SEAC has furnished its recommendations to the Authority for granting Environmental Clearance to the Project subject to the conditions stated therein. Subsequently it was placed in 605 th SEIAA meeting held on 28.03.2023 and the authority after detailed discussion, decided to obtain the following additional details from the PP.


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1. Based on the G.O.(Ms).No.244, Industries, Investment Promotion & Commerce (MMC.1) Department, Dated: 14.12.2022, the project proponent shall furnish the amendment in the mining plan from 'Earth' to 'Ordinary Earth' obtained from the competent authority.

Based on the proponent's reply furnished by the PP on 30.05.2023, this subject has again been placed in the Authority meeting. **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 16,778 m³ of Ordinary Earth with an ultimate 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 addition to the following conditions and the conditions in Annexure 'A' of this minutes.**

1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every 5 years till the project life. They should also review the EC conditions to ensure that they have all been adhered to and implemented.

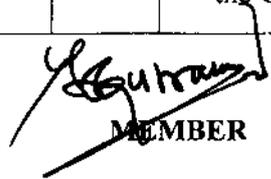

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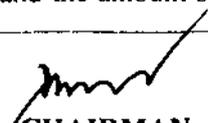

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		<ol style="list-style-type: none"> 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including 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 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. 8. 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 CER cost is Rs. 1.5 lakh and the amount shall
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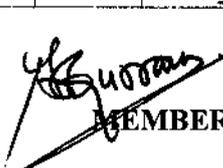

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			be spent towards the Govt. Kallar Hr. Sec. School, Muthaiyanchettipatti Village, Theni District for the activities as committed, before obtaining CTO from TNPCB.								
18.	<p>File No: 9437</p> <p>Proposed Rough Stone and Gravel quarry lease over an extent of 1.62.0Ha SF.No.181/2 & 182/1 (Part) of Kalangal Village, Sulur Taluk, Coimbatore District by Thiru.N.Manickaraj – for Environmental Clearance Amendment</p> <p>The authority noted that the PP has requested for Amendment of Environmental Clearance issued vide Lr. No. SEIAA-TN/F.No.9437/EC.No:5624/2022, dt:15.04.2023 in regard to correction in Latitude & Longitude details mentioned in point No.8 of page no. 3 of said EC as follows.</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>EC issued detail</th> <th>Page no.</th> <th>Amendment requested</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Point No.8 – Latitude & Longitude 10°58'42.36"N to 10°58'46.40"N 79°06'46.16"E to 79°06'52.53"E</td> <td>3</td> <td>Point No.8 – Latitude & Longitude 10°58'42.36"N to 10°58'46.40"N 77°06'46.16"E to 77°06'52.53"E</td> </tr> </tbody> </table> <p>In this connection, the authority after detailed discussion has decided to grant amendment of Environmental Clearance in regard to Latitude & Longitude that is the point No.8 of page no. 3 of said EC in regard to Latitude & Longitude shall be amended and substituted/read as requested above subject to all the conditions stipulated and validity for the EC issued vide Lr. No. SEIAA-TN/F.No.9437/EC. No:5624/2022, dt:15.04.2023 remains unchanged and unaltered.</p>	S.No.	EC issued detail	Page no.	Amendment requested	1.	Point No.8 – Latitude & Longitude 10°58'42.36"N to 10°58'46.40"N 79°06'46.16"E to 79°06'52.53"E	3	Point No.8 – Latitude & Longitude 10°58'42.36"N to 10°58'46.40"N 77°06'46.16"E to 77°06'52.53"E		
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19.	<p>Proposed development of Multi-Modal Logistics Park (MMLP) at SF.No. 1059/3)-(1059/7), 1060, 1055/1, 1055/2, 1054, 1061/3, 1052/1, 1048A/1, 1066/9B3, 1066/9B6, 1066//9A3, 1066/9B2, 1053, 1048/A1, 1048/A6, 1048/A3, 1051, 1050/1, 1050/2, 1067/2, 1351, 1048B, 1049/1, 1049/2, 1101/1, 1101/2, 1051/2, 1048/A1, 1048/A3, 1048/A6, 1048/B,</p>	8688	<p>The authority noted that the subject was appraised in 343rd SEAC meeting held on 05.01.2023 & 357th SEAC meeting held on 23.02.2023 and SEAC has recommended for grant of Environmental Clearance subject to the certain conditions stated therein.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Environmental Clearance subject to all the specific conditions as recommended by SEAC and other normal conditions stipulated by MOEF&CC in</p>								

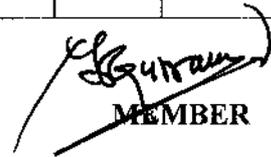

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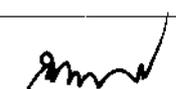

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<p>1049/1,1049/2, 1050/1,1050/2, 1051, 1052/1, 1053, 1061/3, 1060, 1054, 1055/1, 1055/2, 1059/3, 1059/7, 1066/9B3, 1066/9B6, 1066/9A3, 1066/9B2, 1067/2, 1103, 1104, 1105, 1351, 1355, 1356, 1357, 1358, 1361/3, 1362,1363, 1376, 1375, 1228, 1230, 1229 of Mappedu, Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by M/s. National Highway Authority of India - for Environmental Clearance</p>	<p>addition to the following conditions as well as the conditions in Annexure 'C' of this minutes.</p> <ol style="list-style-type: none"> 1. The project proponent shall start establishment only after complete alienation and Acquisition of Private lands, &Govt. lands with prior approval from the competent authority for the proposed phase wise development of the project site as committed before obtaining CTE from TNPCB. 2. The project proponent shall adhere to the final order of the Hon'ble Court in regard to litigation filed for enhanced compensation in regard to private lands as committed. 3. The proponent shall maintain & transplant the existing trees (2185 Nos. of existing trees) as committed for the proposed phase wise development of the project before obtaining CTO from TNPCB. 4. The proponent shall carryout phase wise compensatory afforestation in the (1:10) ratio before cutting of each existing trees (5107 Nos. of existing trees) i.e 51070 Nos. of trees sapling to be planted and maintained within and along the boundary of the proposed project site including avenue plantation on highway roads & railway corridors as committed before obtaining CTO from TNPCB. 5. The proposed activities related to the logistic park attracting prior consent shall be obtained as and when from the competent authority as per proposed phase wise development of the project. 6. As accepted by the Project proponent, the CER cost is Rs.2 Crores to DFO, concerned District (Rs.1 Crore Each) as conservation measures
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			/development of Pulicat Lake & Karaivetti Bird Sanctuary before obtaining CTO from TNPCB.
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Annexure-'A'

EC Compliance

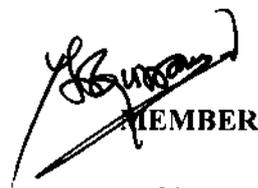
1. The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental Impact Assessment/ Environment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


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CHAIRMAN
SEIAA-TN

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

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.


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SEIAA-TN

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.
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.


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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 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.


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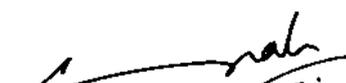
33. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
34. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

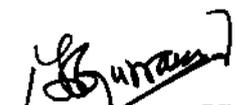
Climate Change

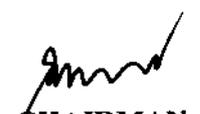
35. The project activity should not in any way impact the climate and lead to a rise in temperature.
36. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
37. Intensive mining activity should not add to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


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SEIAA-TN

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

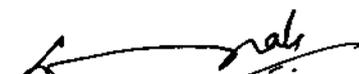
52. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.
53. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).

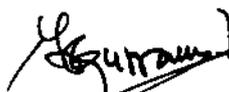
Workers and their protection

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


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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

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


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SEIAA-TN

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.
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


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SEIAA-TN

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 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.


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9. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.

Health

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

Energy

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

Regulatory Frameworks

17. The proponent shall adopt methodologies to effectively implement the Solid Waste Management Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 as amended, Bio-Medical Waste Management Rules, 2016 as amended, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended, Construction and Demolition Waste Management Rules, 2016, & Batteries (Management and Handling) Rules, 2001.
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.


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SEIAA-TN

21. The proponent should maintain environmental audits to measure and mitigate environmental concerns.

Biodiversity

22. There should not be any impact due to the modification of the habitat on critically endangered species, biodiversity, etc.,

23. The proponent shall ensure that the proposed activities in no way result in the spread of invasive species.

24. The proponent shall adopt sustainability criteria to protect the micro environment from wind turbulences and change in aerodynamics since high rise buildings may stagnate air movements.

25. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.

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

27. The proponent shall adopt strategies to prevent bird hits.

Safety measures

28. The proponent should develop an emergency response plan in addition to the disaster management plan.

29. The proponent shall develop detailed evacuation plan for disabled people and safety evacuation plan in emergencies.

30. All bio-safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.

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.

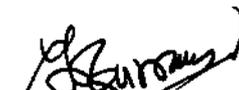
33. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.

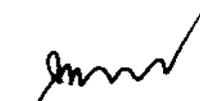
Water/Sewage

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.


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36. The proponent shall periodically test the treated sewage the through TNPCB lab /NABL accredited laboratory and submit report to the TNPCB.
37. The proponent shall periodically test the water sample for the general water quality core parameters including fecal coliform within the proposed project site through TNPCB lab /NABL accredited laboratory and submit report to the concerned authorities.
38. The proponent shall ensure that provision should be given for proper utilization of recycled water.
39. The project proponent shall adhere to storm water management plan as committed.

Parking

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

Solid waste Management

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

EMP

43. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
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.

Annexure - 'D'

1. Impacts on Energy requirement.
2. Impacts on living System (air ,water ,soil & micro organism).


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3. Impacts on terrestrial & aquatic within and surrounding areas.
4. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the CER activities as committed with the action plan.
5. All the construction of Buildings shall be energy efficient and confirm to the green building norms.
6. The proponent shall provide adequate parking facility for vehicles of all the workers & visitors.
7. The proponent shall ensure that no treated or untreated trade effluent/sewage discharged outside the premises under any circumstances.
8. The disaster management and disaster mitigation standards to be seriously adhered to avoid of calamities.
9. The proponent shall provide the action taken for reduction of green house gas emissions to support the climatic action to make it sustainable buildings.
10. The project proponent shall furnish the action taken to provide adequate parking space for visitors of all inmates including clean traffic plan.
11. The project proponent shall furnish the action taken to improve water usage efficiency in the building.
12. The project proponent shall conduct detailed study of biodiversity flora & fauna including invasives /endemic vulnerable species.
13. The project proponent shall furnish NOC obtained from competent authority that there is no encroachment of water bodies (including canals).
14. The project proponent shall furnish impact of Green House Gases emissions and climate change likely due to activities.
15. The project proponent shall conduct detailed soil investigation including microflora /fauna.
16. The project proponent shall study impact on livelihoods of locals.
17. The project proponent shall furnish List of trees available in the area.
18. The project proponent shall study impact of activities on water bodies/wetlands.
19. The project proponent shall conduct studies on invasive and alien species


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