



## SIPCOT

EC/Mambakkam/HYC/June/2025

Date: 30.05.2025

To,  
The Member Secretary,  
State Level Environment Impact Assessment Authority,  
Chennai Metro Rail Limited (Head office),  
No.327, Anna Salai, Nandanam,  
Chennai - 600 035.

Sir/Madam,

Sub: SIPCOT Industrial Park at Mambakkam - Submission of Half Yearly Compliance Report for June 2025 (i.e., for the period of October 2024 to March 2025) - Reg.

Ref: EC vide Letter No. SEIAA-TN/F.No/7652/EC8 (a)/852/2022 dt.01.07.2022

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We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu for June 2025 (i.e., for the period of October 2024 to March 2025) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,

CONSULTANT (PROJECT MANAGEMENT)

Encl: As above.

Copy to:

1. The Director,  
The Ministry of Environment and Forest & Climate Change,  
Integrated Regional Office,  
1st Floor, Additional Office Block for GPOA,  
Shastri Bhawan, Haddows Road,  
Nungambakkam, Chennai - 600 006
2. The Director,  
CPCB Zonal Office,  
77-A, South Avenue Road,  
Ambattur Industrial Estate,  
Ambattur Taluk, Thiruvallur District,  
Chennai - 600 058.

P.T.O.

**State Industries Promotion Corporation of Tamil Nadu Limited**

**(A Government of Tamil Nadu Undertaking)**

CIN I U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No. 7223, Egmore, Chennai - 600 008.

Phone : 4526 1777, Fax : 4526 1796 Website : www.sipcot.tn.gov.in

3. The Chairman,  
Tamil Nadu Pollution Control Board,  
No-76, Mount Road, Guindy,  
Chennai-600 032
4. The Project Officer  
SIPCOT Industrial Park,  
Sriperumbudur.

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# **HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT**

**For the Period of October 2024 - March 2025**

*For*

**“Development of Industrial Park at Mambakkam Village,  
Kancheepuram District, Tamil Nadu”**

**EC OBTAINED Vide Letter No. SEIAA – TN/F.No.7652/EC /8(a)/852/2022 dated:  
01.07.2022**

*Submitted by*



**M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD**

**19/A, Rukmani Lakshmipathy Road,  
Egmore, Chennai - 600008.**

*Prepared by*



**HUBERT ENVIRO CARE SYSTEMS (P) LTD  
CHENNAI  
(ENVIRONMENTAL CONSULTANT)**

**MAY 2025**

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## 1.0 PROJECT DETAILS

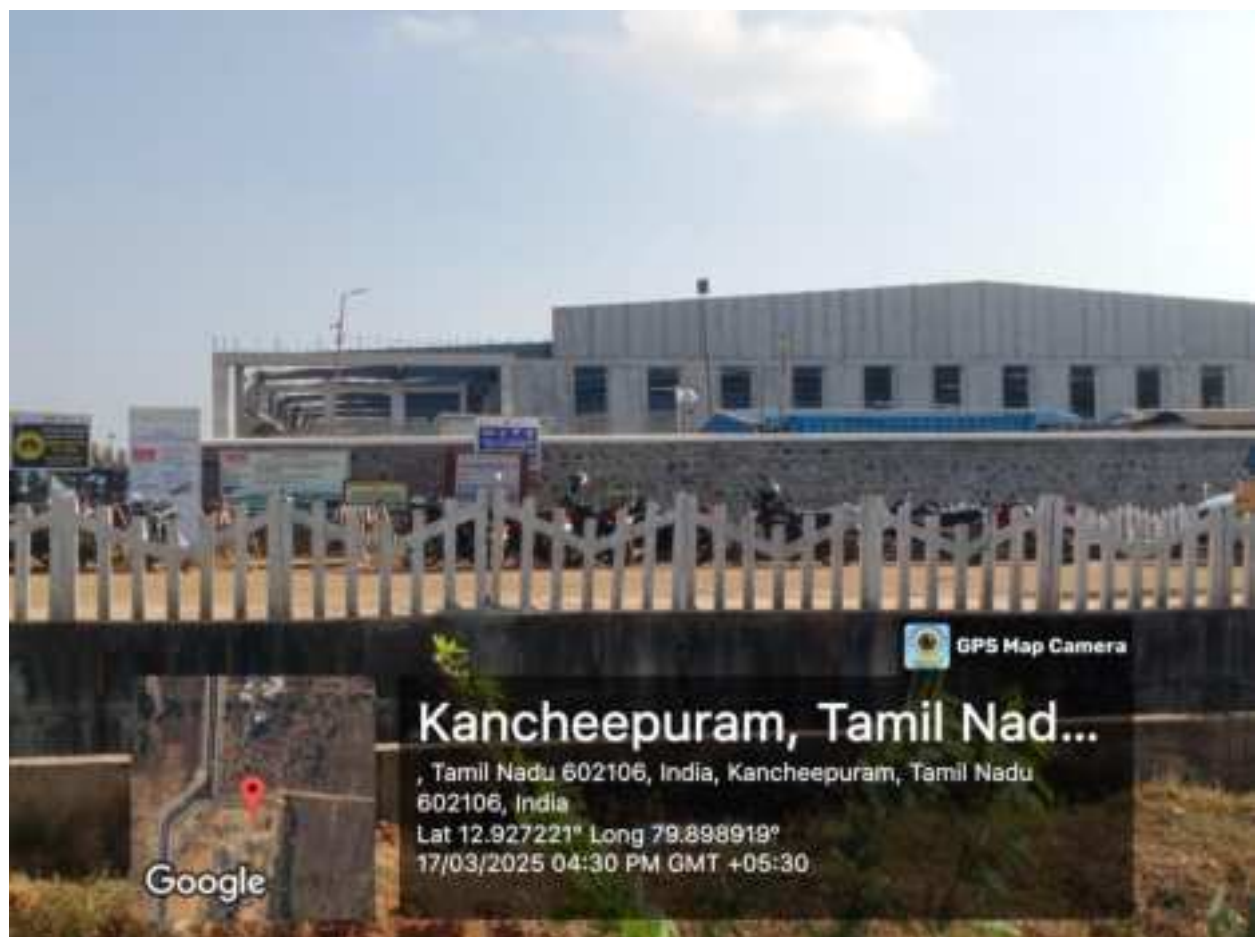
Name of the Project	Development of Industrial Park at Mambakkam
Name of the Proponent	M/S. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)
Location	Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
EC. No	EC22B039TN156655 dt. 22.07.2022 SEIAA Letter No. SEIAA-TN/F.No/7652/EC8(a)/852/2022 dt.01.07.2022 (Enclosed as <b>Annexure 1</b> )
Total Extent	74.76 Hectares (184.66 acres)
Water Requirements	Total water requirement: 1637 KLD Fresh water – 168 KLD, TTRO water – 870 KLD and Recycled water – 599 KLD Source: CMWSSB (Fresh water: Chembarambakkam Lake, Tertiary Treated water: Koyambedu 45 MLD TTRO Plant)
Project Cost	Rs.242 Crores

## 2.0 LOCATION MAP





### 3.0 SITE PHOTOGRAPHS





#### 4.0 SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

##### **SEAC Specific conditions:**

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project proponent shall continuously operate and maintain the Sewage treatment plant & Grey Water Treatment Plant to achieve the standards prescribed by the TNPCB/CPCB.	STP is not proposed by SIPCOT. All the member units will be instructed to have their own STP and to reuse the treated water as per the norms.
2.	The project proponent shall inform DISH about development of SIPCOT near gas pipeline and mock drill shall be conducted along with SIPCOT agency and report of the same shall be submitted to SEIAA before obtaining CTO from TNPCB.	SIPCOT has requested DISH to conduct the mock drill. The acknowledgement letter is enclosed as <b>Annexure – 11.</b>
3.	The project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in the certificate.	Condition Noted
4.	The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to TNPCB.	Condition Noted.
5.	The height of the stacks of DG sets shall be provided as per the CPCB norms.	The SIPCOT has not proposed any DG set's within project site.  All the member units will be instructed to follow CPCB norms for DG stack.

6.	The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.	Condition Noted. All the member units will be instructed to follow applicable rules and guidelines.
7.	The proponent shall make proper arrangements for the disposal of the treated water from the proposed site for Toilet flushing. Green belt development & OSR and no treated water be let out of the premises.	STP is not proposed by SIPCOT. Individual industries will be instructed have their own STP as per their requirement and reuse the treated wastewater as per norms.
8.	The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.	<b>Condition will be complied.</b> All the member units will be instructed to have their own STP as per the requirement and to reuse the treated water as per the norms.
9.	The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.	<b>Not applicable.</b> Individual industries will have their own STP. OSR area will be utilized for greenbelt development as mentioned in EC.
10.	The purpose of Green belt around the Project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University and local school/college authorities. The plant species with dense/ moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.	Condition will be complied. Greenbelt will be developed in minimum of 33% of total developable area with native and indigenous species. Greenbelt photographs is enclosed as <b>annexure - 15</b>

11	Taller/one year old Saplings raised inappropriate size of bags, preferably eco-friendly bags should be planted in proper spacing as per the advice of local forest authorities botanist/Horticulturist with regard to site specific choices. The Proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in all organized manner.	Condition noted.
12.	The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed.	<b>Condition Noted.</b> Separate entry and exit points will be provided for the OSR area.
13.	The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.	Condition will be complied.
14.	The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016. as amended for the generation of Hazardous waste within the premises.	All the member units will be instructed to obtain necessary approvals / clearances and to follow applicable rules and guidelines.
15.	No waste of any type to be disposed off in any other way other than the approved one.	<b>Condition noted.</b> All the member units will be instructed to comply with.
16.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.	<b>Condition Noted.</b>

17.	All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	Condition Noted.
18.	The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.	Condition Noted.
19.	The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post – COVID period.	Condition Noted.
20.	Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting	Condition noted.
21.	As per the MoEF&CC Office Memorandum F.No. 22-6512017-1A.1 Dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER shall be furnished before placing the subject to	<b>Condition Complied.</b> The detailed EMP and revised CER were submitted to SEIAA before placing the subject to SEIAA. The letter is enclosed as <b>Annexure – 8.</b>

22.	As accepted by the PP the revised CER cost of Rs.5 crore shall be spent with activities particularly creation of Environmental Website and also creation of Environment center in school, revamping school building construction/Maintenance of school building construction of Girls toilet with 4/7 water facility, providing sanitary napkin along with Incinerator for the disposal (if applicable) tree plantation in consultation with concerned Government school HM located in Mambakkam Village before obtaining CTO from TNPCB.	Condition will be complied.
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**SEIAA Additional Conditions:**

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project proponent shall in-house Only non - EIA attracting industries alone (Electronics & Electrical parts manufacturing and assembling industries falling under Red, Orange, Green, & white category industries) as per EIA notification as amended for the proposed 24 nos of plots.	Condition Noted.
2.	The project proponent shall start establishment only after complete alienation of Patta lands. Govt. Poramboke lands & water bodies within the proposed site in concurrence with the competent authority before obtaining consent from TNPCB.	Condition Noted.

3.	The project proponent shall obtain necessary permission for water bodies within/around the proposed site from the Competent Authority before obtaining CTE from TNPCB.	Government of Tamil Nadu has issued Administrative sanction for acquisition of lands. The water bodies will be maintained as is where is condition. Water body photographs is enclosed as <b>annexure- 20</b>
4.	The project proponent (SIPCOT) shall ensure that IOCL pipeline within the proposed project site shall not be disturb at any time and the SIPCOT shall provide & maintain adequate safety distance at all times as per recommendation of competent authority. Also, the proponent shall ensure that prior intimation from the IOCL & competent authorities are obtained every time for carrying out any development activities/maintenance activities around the said IOCL Pipeline within around the proposed project site and such development activities /maintenance activities shall be carded out under the supervision of IOCL & competent authorities.	Condition Noted. IOCL pipeline photographs is enclosed as <b>annexure - 17</b>
5.	The project proponent (SIPCOT) shall earmark in & around the IOCL pipeline area & HT line area within/around the project site & declare the said area as non- development area /prohibited area for any form of public access including parking of any type vehicles as a safety precautionary measures.	Condition Noted. IOCL pipeline photographs is enclosed as <b>annexure - 17</b>
6.	The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.	<b>Condition complied.</b> The water requirement will be met from the TTRO plant (Koyambedu) and Chembarambakkam Lake through CMWSSB. CMWSSB allotment letter is enclosed as <b>Annexure - 9.</b>



7.	The project proponent shall ensure that non – EIA attracting Industries to be in-housed shall treat the effluent generated by providing adequacy individual ETP with ZLD Followed by reject management system and shall reuse the treated effluent for the process activity.	Condition will be complied. All the member units will be mandated to adopt ZLD & reject management system for reuse of treated water for their process and utilities as per the norms.
8.	The project proponent shall ensure that Non – EIA attracting industries to be in housed shall treat the Sewage generated by providing adequate individual STP and shall reuse the treated sewage for the toilet flushing & greenbelt/gardening as committed.	All the member units will be mandated to have individual STP. The treated water will be used for greenbelt as per the norms.
9.	The project proponent shall ensure that non - EIA attracting Industries to be in- housed shall provide adequate elevated closed area earmarked for collection, segregation, storage & disposal of waste 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.	All the member units will be instructed to follow all applicable rules and guidelines.

10.	The project proponent shall ensure that non – EIA attracting industries to be in- housed shall provide elevated STP/ETP of adequate capacity & its utilities above the ground level with adequate height considering highest rainfall & flood level /inundation point of view as recommended by the competent authority) for the proposed project site.	All the member units will be instructed to follow all applicable rules and guidelines.
11.	The project proponent shall ensure that the industries to be in – housed shall adhere that no treated or untreated trade effluents/sewage is discharged outside the premises under any circumstances.	Condition noted. All the member units will be instructed have STP/ETP for treatment of wastewater and reuse the treated water as per the norms without discharging outside the premises.
12.	The project proponent and the non- EIA attracting Industries to be in-housed shall provide the utilities / arrangement for fresh water supply, Storm/rain water management, and for reuse of treated sewage / effluent as proposed.	Condition will be complied. All the member units shall comply with.
13.	The project proponent shall provide & maintain adequate storm water management & rain water harvesting structure as committed for the project site.	Condition Noted.
14.	The project proponent shall obtain necessary permission for disposal of storm water, to nearby storm water drain from competent authority, before obtaining CTO.	<b>Condition Noted.</b> Storm water photograph is enclosed as <b>annexure - 14</b>
15.	The project proponent shall ensure that industries to be in housed shall operate and maintain the proposed individual STP/ ETP efficiently and continuously to bring the quality of treated sewage/ effluent to satisfy the discharge standards prescribed by the CPCB at all times.	All the member units will be mandated to provide individual STP/ETP to treat the wastewater. The Treated water will meet discharge standards & reused for their process / utilities / greenbelt as per the norms.

16.	The proponent & the Industries to be in-housed shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
17.	The recommendation for the issue of Environmental Clearance is subject to outcome of Hon'ble High Court of Madras in W.P Nos.207632017 & 27850/2019.	<b>Condition noted.</b>
18.	The project proponent & the Industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green buildings norms.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
19.	The project proponent shall ensure Industries to be in-housed shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.	Condition will be complied. All the member units shall comply with.
20.	The project proponent shall adhere to the approval obtained for the source of fresh Water supply from the competent Authority.	<b>Condition Complied.</b> The water requirement will be met from the TTRO plant (Koyambedu) and Chembarambakkam Lake through CMWSSB. CMWSSB allotment letter is enclosed as <b>Annexure - 9.</b>

21.	The proponent & the industries to be in-housed shall strictly adhere to all bio safety standards, hygienic standards and safety norms of working staff and patients to be strictly form time to time as Guidance of competent authority	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
22.	The proponent & the Industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
23.	The proponent & the Industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.	Condition noted. All the member units shall Comply with condition.
24.	The activities should in no way cause emission and build-up Green House Gases. All actions to be ecofriendly and support sustainable management of the natural resources within and outside the campus premises.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
25.	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).	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
26.	The proponent & the industries to be in-housed shall ensure proper arrangement &utilization of recycled water.	All the member units will be mandated to provide individual STP/ETP to treat the wastewater. The Treated water will be used for their process / utilities / greenbelt with proper provisions.
27.	The proponent & the Industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.	Condition noted.
28.	The proponent & the industries to be in-housed shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.

29.	All the Buildings shall be energy efficient and confirm to the green building norms.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
30.	The proponent & the Industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.	Condition Noted.
31.	The proponent & the Industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
32.	The proponent & the Industries to be in-housed shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
33.	The proponent & the Industries to be in-housed shall ensure that the buildings and activities should not result in Environmental damages nor result in temperature rise.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
34.	The proponent & the Industries to be in housed 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.	Condition will be complied. Greenbelt photographs is enclosed as <b>annexure - 15</b>
35.	The proponent & the industries to be in-housed shall ensure to provide the emergency exit in the buildings.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
36.	The proponent & the Industries to be in-housed shall ensure to provide elevator as per rule CMDA/DTCP	Not applicable. It is an Infrastructure project. All the member industries will be instructed to follow all applicable rules and guidelines.

37.	The proponent & the industries to be in-housed shall ensure to provide adequate capacity of DG set capacity (standby) for the proposed STP so as to ensure continuous and effective operation.	Not applicable. STP is not proposed by SIPCOT.
38.	The proponent & the industries to be in-housed shall adhere to the provision and norms regard to fire safety Prescribed by competent authority.	Condition will be complied.
39.	The project proponent & the Industries to be in-housed shall adhere to storm water management plan as committed.	Storm Water drain shall be provided all along the internal roads.  Storm water drain photographs is enclosed as <b>annexure - 14</b>

**PART A - Common condition applicable for Pre-construction.**

**Construction and Operational Phase:**

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	Any appeal against this environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	No appeal lies against this Environmental Clearance.
2.	The Construction of STP, ETP, Solid Waste Management facility, E-waste management facility, DG sets, etc, should be made in the earmarked area only. In any case, the location of these utilities should not be changed later.	Condition noted.  Construction shall be carried out as per the DTCP Approved Layout.



3.	The Environmental safeguards contained in the application of the proponent/ mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.	<b>Condition noted.</b>
4.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) A, 1972, State/Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.	<b>Condition noted.</b>  All the member industries will be instructed to obtain all necessary statutory clearances and approvals. Consent to Establish obtained from TNPCB and the copy of CTE is attached as <b>Annexure-2.</b>
5.	The SEIAA reserves the right to add additional safeguard measures subsequently. if non-compliance of any of the EC conditions is found and to take action, including revoking of his Environmental Clearance as the case may be.	<b>Condition noted.</b>
6.	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	<b>Condition noted.</b>

7.	The environmental statement for each Financial year ending 31 <sup>st</sup> March in Form V as is mandated to be submitted by the project proponent to the concerned Pollution Control Board as prescribed under the Environment (protection) Rules 1986. as amended Subsequently. Shall also be put on the website of the company. The status of compliance of environmental Clearance conditions and shall also be, sent to the Regional Office of the Ministry of Environment and Forests. Chennai by e-mail.	<b>Condition complied.</b> The Form V Acknowledgement copy is attached as <b>Annexure –13.</b>
8.	The Regional Office of the Ministry Located at Chennai shall monitor Compliance of the stipulated conditions. The project authorities Should extend full cooperation to the Officer (s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	<b>Condition noted.</b>
9.	Consent For Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA. Tamil Nadu.	<b>Conditions complied.</b> CTE obtained from TNPCB and the copy of CTE is attached as <b>Annexure-2.</b>
10.	In the case of any changes in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.	<b>Condition noted.</b> There is no change in the scope of project.

11.	The conditions will be enforced inter- alia. Under the provisions of the Water (Prevention & Control Of pollution) Act, 1974, the Air (prevention Pollution) Act, 1981, the Environment (protection) Act, 1986. The public Liability Insurance Act, 1991, along with their amendments, draft minor mineral Conservation & Development Rules Sale & Control of Act. 1986, the public ,draft Minor Mineral 2010 framed Under MMDR Act 1957,National Commission for protection Of Child Right Rules,2006 and rules Made there under and also any other order passed by the Hon'ble Supreme Court of India ,/Hon'ble High Court of Madras and Any other Courts of Law. Including the Hon'ble National Green Tribunal relating to the subject matter.	<b>Condition noted.</b> CTE copy is enclosed as <b>annexure - 2</b>
12.	The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.	<b>Condition noted.</b>
13.	Failure to comply with any of the condition mentioned above may result in withdrawal of this clearance and attract action under the provision of the Environment (Protection) Act, 1986.	SIPCOT shall comply with all applicable conditions specified in the EC.

14.	The proponent shall upload the status of compliance of the stipulated EC condition, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bangalore and the TNPCB. The Criteria pollutant levels namely PM 10, PM 2.5, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectional parameters' indicated for the project shall be monitored.	<b>Condition is being complied.</b> Compliance of EC conditions uploaded in website is enclosed as <b>Annexure – 12.</b>
15.	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of if it is found or if it comes to the Knowledge of this SEIAA. TN that the project proponent has deliberately concealed and/or this environmental clearance. Submitted false or misleading Information or inadequate data for obtaining the environmental clearance.	<b>Condition noted.</b>
16.	The Environmental Clearance does not imply that the other statutory administrative clearances shall be granted to the project by the concerned Authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.	<b>Condition noted.</b>
17.	The SEIAA, TN may alter/modify the above condition or stipulate any further condition in the interest of environmental protection, even during the subsequent period.	<b>Condition noted.</b>

18.	The Environmental Clearance does not absolve the applicant/ proponent of his obligation/ requirement to obtain other statutory and administration clearances from other statutory and administrative authorities.	<b>Condition noted.</b>
19.	Where the trees need to be cut, compensation plantation in the ratio of 1:10 (planting of 10 trees for every one tree that is cut) should be done with the obligation to continuous maintenance.	Condition noted.
20.	A separate environmental management cell with suitable qualified personnel should be set – up under the control of a senior Executive who will report directly to the head of the organization and the shortfall shall be strictly reviewed and addressed	<b>Condition complied.</b> Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as <b>Annexure - 3.</b>
21.	The EMP cost shall be deposited in a Nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	Condition noted.
22.	The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition will be complied.

24.	The project activity should not Impact the water bodies. A detailed inventory of the water bodies forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.	Condition will be complied. Surface water quality monitored enclosed as <b>Annexure-4.</b>
25.	All the assessed flora & fauna should be conserved and protected.	Condition noted.
26.	The proponent should strictly comply with. Tamil Nadu Government Order (Ms) No. 84 Environment and forests (EC.2) Department dated 25.06.2018 regarding Ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
27.	Necessary permission shall be obtained from the competent authority for the drawl /outsourcing of fresh water before obtaining consent from TNPCB.	Condition complied. The water requirement will be met from the TTRO plant (Koyambedu) and Chembarambakkam Lake through CMWSSB. CMWSSB allotment letter is enclosed as <b>Annexure - 9.</b>
28.	The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment plant).	STP is not proposed by SIPCOT.
29.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.	Condition will be complied.



30.	All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	Condition noted.
31.	No waste of any type to be displayed of in any watercourse including drains, canals and the surrounding environment.	Condition noted.
32.	Traffic congestion near the entry and exist points from the roads adjoining the proposed project site must be avoided.	Condition will be complied.
33.	The safety measures proposed in the report should be strictly followed.	Condition will be complied.

**Part- B – Specific Conditions – Pre Construction Phase:**

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA- TN.	<b>Condition complied.</b> Newspaper advertisement copy is enclosed as <b>Annexure - 5.</b> The copy of the press release has been forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA- TN. Acknowledgement copy of the same is enclosed as <b>Annexure -6.</b>
2.	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation	<b>Condition noted.</b> There is no change in the scope of project.

3.	A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.	<b>Condition complied.</b> The Screenshot of EC copy uploaded in the website is attached as <b>Annexure - 7.</b>
4.	The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightening etc before commencement of the work.	Condition noted. Individual member units will be instructed to obtain all necessary statutory clearances and approvals.
5.	All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.	Condition Noted. Necessary sanitary and hygienic measures will be provided.
6.	Design of building should be in conformity with the Seismic Zone Classifications.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
7.	The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.	Condition Noted. All the member industries will be instructed to follow all applicable rules and guidelines.
8.	No construction activity of any kind shall be taken up in the OSR area.	Condition noted.
9.	Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.	STP is not proposed by SIPCOT. Individual industries will be instructed have their own STP as per their requirement and to reuse the treated wastewater as per norms.

10.	The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.	Condition is not applicable. Site does not fall in CRZ area.
11.	The Project Proponent shall provide car parking exclusively for the visiting guest In the proposed residential apartments as per CMDA norms.	Condition is not applicable. Proposed project is development of Industrial Park.
12.	The project proponent shall ensure the level of basement shall be above maximum flood level.	Condition noted.
13.	<p>The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details</p> <ul style="list-style-type: none"> <li>i. Location of STP,compost system, underground sewer line</li> <li>ii. Pipe Line conveying the treated effluent for green belt development</li> <li>iii. Pipe Line conveying the treated effluent for toilet flushing</li> <li>iv. Water supply pipeline</li> <li>v. Gas supply pipe line, if proposed</li> <li>vi. Telephone cable</li> <li>vii. Power cable</li> <li>viii. Storm water drains, and</li> <li>ix. Rain water harvesting system, etc.,</li> </ul> <p>and it shall be made available to the owners.</p>	Conditions applicable will be complied.
14.	A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.	Condition will be complied. All the member units shall comply with.

15.	The present land use surrounding the project site shall not be disturbed at any point of time.	Condition noted. Project development activity is site specific and will not disturb the surrounding sites.
16.	The green belt area shall be planted With indigenous native trees.	Condition will be complied. Greenbelt will be developed with indigenous native species. Greenbelt photographs is enclosed as <b>annexure - 15</b>
17.	Natural vegetation listed particularly the trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.	Condition Noted.
18.	During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.	Condition will be complied. During construction and operation phase there will be no disturbance to the aquatic eco – system.
19.	The Provisions of Forest Conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.	Not applicable.
20.	There should be Fire fighting plan an all required safety plan.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
21.	Regular fire drills should be held to create awareness among owners/ residents.	Condition will be complied. All the member units shall comply with.

**Part - C – Specific Condition – Construction phase:**

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	<b>Construction Schedule:</b>	
	i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.	<b>Condition noted.</b>
2.	<b>Labour Welfare:</b>	

	i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.	Condition noted. All the member units will be instructed to comply with.
	ii) Personnel working In dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health Surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
	iii) Periodical medical examination of the workers engaged in the project shall be carried out and maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots, etc.	Condition noted. All the member units will be instructed to comply with.
3.	<b>Water Supply:</b>	
	i) The entire water requirement during construction phase may be met from private tankers.	Condition noted.
	ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Condition not applicable. Local labours will be employed for the project. There will not be any housing for labour.

	iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.	Condition noted and will be complied. All the member units will be instructed to comply with.
	iv) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices prevalent.	Condition noted. All the member units shall comply with.
	v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.	Condition noted. All the member units shall comply with.
4.	<b>Solid Waste Management:</b>	
	i) In the solid waste management plan, the STP sludge management plan for direct use as manure, gardens is not acceptable; it must be co-composted with biodegradables.	Condition noted. All the member units shall comply with. Solid waste management area is enclosed as <b>annexure -19</b>
	ii) Hazardous wastes such as batteries, small electronics, CFL bulbs expired medicines and used cleaning solvent bottles should be segregated at source, in a month from residences and disposed as per the SWM rules 2016.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
	iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and solid waste management rules 2016.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.

	iv) No waste of any type disposed of in any watercourse including drains, canals and the surrounding environment.	Condition Noted. All the member units will be instructed to comply with.
	v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.	Condition Noted. All the member units will be instructed to follow applicable rules and guidelines.
5.	<b>Top Soil Management:</b>	
	i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Condition Noted. All the member units will be instructed to comply with.
6.	<b>Construction Debris disposal:</b>	
	i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people, The construction and demolition waste shall be managed as per Construction & Demolition Waste Management rules, 2016.	Condition Noted. All the member units will be instructed to follow applicable rules and guidelines.
	ii) Construction spoils, including bituminous materials and other hazardous materials must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/lake/ stream etc.	Condition Noted. All the member units will be instructed to comply with.  Water bodies photograph is enclosed as <b>annexure - 20</b>
7.	<b>Diesel Generator sets:</b>	

	i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.	Condition Noted. All the member units will be instructed to follow applicable rules and guidelines.
	ii) The diesel required for stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of explosives shall be taken.	Condition Noted. All the member units shall be instructed to obtain necessary approvals.
	iii) The acoustic enclosures installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.	Condition Noted. All the member units will be instructed to comply with.
8.	<b>Air &amp; Noise Pollution Control:</b>	
	i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.	Condition Noted. All the member units will be instructed to follow applicable rules and guidelines. Ambient air and Noise quality monitoring report is enclosed as <b>annexure -4</b>
	ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.	Condition noted. Individual industries will be instructed to comply with their statutory approvals / clearances. Ambient Air and Noise Monitoring Reports are enclosed as <b>Annexure - 4.</b>



	iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per DTCP norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be meet before commissioning	Condition Noted.
	iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.	Condition Noted. All the member units shall comply with.
	v) The project proponent should ensure that adequate Air pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.	Condition noted. All the member units will be instructed to comply with.
9.	<b>Building material:</b>	
	i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.	Condition Noted. All the member units will be instructed to follow applicable rules and guidelines.
	ii) Ready-mix concrete used in building construction and necessary cube tests should be conducted ascertain their quality.	Condition will be complied.

	iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.	All the member units shall comply with.
10.	<b>Storm Water Drainage:</b>	
	i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.	Storm water will be provided all along the internal road. All the member industries will be instructed to follow applicable rules and guidelines.  Storm water photographs is enclosed as <b>annexure -14</b>
	ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.	Condition noted.
11.	<b>Energy Conservation Measures:</b>	
	i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.	All the member units will be instructed to follow applicable rules and guidelines.
	ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.	All the member units will be instructed to follow applicable rules and guidelines.
	iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.	All the member units will be instructed to follow applicable rules and guidelines.

	iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.	Condition noted. All the member units will be advised to comply with.  LED lights photographs is enclosed as <b>annexure - 16</b>
	v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.	The proposed project is an establishment of industrial park which involves provision of roads, storm water drains, greenbelt, Power supply, water supply, etc. The member units will be instructed to follow applicable rules and guidelines.
	vi) Energy conservation installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.	Condition will be complied. All the member units shall comply with.
12.	<b>Fire Safety:</b>	
	i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.	Condition noted and will be complied. All the member units will be instructed to comply with.
	ii) Proper and free approach road for fire-fighting vehicles up to the buildings and for rescue in the event of emergency shall be made.	Condition noted and will be complied. All the member units will be instructed to comply with
13.	<b>Green Belt Development:</b>	

	i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.	Condition will be complied.
	ii) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/ DTCP approval.	Condition will be complied. Greenbelt will be developed as per the Layout Approval. Greenbelt photograph is enclosed as <b>annexure - 15</b>
	iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.	Condition noted. Overall greenbelt of minimum 33% will be developed as per the layout approval. Greenbelt photograph is enclosed as <b>annexure - 15</b>
14.	<b>Sewage Treatment Plant:</b>	
	i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation, Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.	SIPCOT did not propose STP. All the member units will be instructed to comply with.
	ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.	SIPCOT did not propose STP. All the member units will be instructed to comply with.

	iii) The project proponent shall operate and maintain the Sewage treatment Plant effectively to meet out the standards prescribed by the CPCB.	All the member units will be instructed to comply with.
	iv)The project proponent shall continuously operate and maintain the Sewage treatment plant and Effluent treatment plant to achieve the standards prescribed by the CPCB.	All the member units will be instructed to comply with.
	v) The project proponent has to ensure the complete recycling of treated sewage after achieving the standards prescribed by the CPCB	All the member units will be instructed to comply with.
	vi) The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP in case of power failure.	All the member units will be instructed to comply with.
15.	<b>Rain Water Harvesting:</b>	
	i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.	Condition noted. All the member units will be instructed to comply with.
	ii) Rain water harvesting for surface run- off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.	Condition noted. All the member units will be instructed to comply with.

	iii) The project proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.	Condition noted. All the member units will be instructed to comply with.
	i) The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition noted.
16.	<b>Building Safety:</b>	
	Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.	All the member units will be instructed to follow applicable rules and guidelines.

**Part – D Specific Condition – Operational Phase/ Post constructional phase/ Entire life of the project:**

Not Applicable – Since the project is under construction phase.

## **5.0 ENVIRONMENTAL MONITORING DETAILS**

It is mandatory to submit six monthly compliance report (Half Yearly Compliance) to MoEF & CC Regional Office by the proponent. For the purpose of submitting Six-Monthly Compliance report, environmental monitoring was carried out at site by M/s. Hubert Enviro Care Systems Pvt. Ltd. an NABL accredited laboratory for the period of October 2024 to March 2025.

### **5.1 Ambient Air Quality Monitoring**

The Ambient Air Quality parameters such as suspended particulate matter (PM<sub>10</sub>), Respirable matter (PM<sub>2.5</sub>), Sulphur dioxide, Oxides of Nitrogen (NO<sub>x</sub>) and Carbon monoxide were monitored during the period of October 2024 to March 2025. The test report of ambient air quality is attached as **Annexure-4**.

### **5.2 Ambient Noise Level Monitoring**

Ambient noise level was monitored during the period of October 2024 to March 2025 and the test report of ambient noise recorded is attached as **Annexure - 4**.

### **5.3 Soil Quality Monitoring**

The soil samples were collected during the period of October 2024 to March 2025 and analyzed for nutrients and heavy metals. The test report of soil samples collected is attached as **Annexure -4**.

### **5.4 Ground Water Quality Monitoring**

The ground water samples were collected during the period of October 2024 to March 2025. The test report of ground water samples collected is attached as **Annexure -4**.

### **5.5 Surface Water Quality Monitoring**

The surface water samples were collected during the period of October 2024 to March 2025. The test report of surface water samples collected is attached as **Annexure -4**.

## **6.0 CONCLUSION**

1. The environmental monitoring was carried out at site during the period of October 2024 to March 2025.
2. All the conditions stipulated in Environmental Clearance are being complied / will be complied.



**Dr. RAJKUMAR SAMUEL**  
Director Technical

**Name: Dr. Rajkumar Samuel**

**Designation: Director Technical**

**Company Name: Hubert Enviro Care  
Systems Private Limited**



ENVIRONMENTAL  
CLEARANCE

**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(Issued by the State Environment Impact Assessment**  
**Authority(SEIAA), Tamil Nadu)**

To,

The Managing Director  
 STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU  
 LIMITED (SIPCOT)  
 19-A,Rukmani Lakshmipathy Road, Egmore,Chennai -600008

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity  
 under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)  
 in respect of project submitted to the SEIAA vide proposal number  
 SIA/TN/MIS/67813/2020 dated 23 Sep 2021. The particulars of the environmental  
 clearance granted to the project are as below.

- |   |   |
|---|---|
| 1. EC Identification No.                      | <b>EC22B039TN156655</b>   |
| 2. File No.                                   | 7652/2020   |
| 3. Project Type                               | New   |
| 4. Category                                   | B1  |
| 5. Project/Activity including<br>Schedule No. | 8(b) Townships and Area Development<br>projects.  |
| 6. Name of Project                            | Development of Industrial Park at<br>Mambakkam Village in an area of 74.76<br>Ha (184.66 Acres) |
| 7. Name of Company/Organization               | STATE INDUSTRIES PROMOTION<br>CORPORATION OF TAMILNADU<br>LIMITED (SIPCOT)                      |
| 8. Location of Project                        | Tamil Nadu  |
| 9. TOR Date                                   | 23 Sep 2020   |

The project details along with terms and conditions are appended herewith from page  
 no 2 onwards.

Date: 22/07/2022

(e-signed)  
**Thiru.Deepak S.Bilgi**  
**Member Secretary**  
**SEIAA - (Tamil Nadu)**

*Note: A valid environmental clearance shall be one that has EC identification  
 number & E-Sign generated from PARIVESH.Please quote identification  
 number in all future correspondence.*

*This is a computer generated cover page.*

PARIVESH

*(Pro-Active and Responsive Facilitation by Interactive,  
 and Virtuous Environmental Single-Window Hub)*





**THIRU.DEEPAK S.BILGI, I.F.S.  
MEMBER SECRETARY**

**STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY-TAMILNADU**

3<sup>rd</sup> Floor, Panagal Maaligai,  
No.1, Jeenis Road, Saidapet,  
Chennai - 600 015.  
Phone No. 044-24359973  
Fax No. 044-24359975

**ENVIRONMENTAL CLEARANCE (EC)**

**Letter No. SEIAA-TN/F.No:7652/EC/8(a)/852/2022 dated: 01.07.2022**

**Sir/Madam,**

Sub: SEIAA, TN - Environmental Clearance – Proposed Development of Industrial Park at Mambakkam Village in an area of 74.76 Ha (184.66 Acres) at S.F. Nos. 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-

**MEMBER SECRETARY  
SEIAA-TN**

6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D of Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu under Schedule B - 8(b)-Townships and Area Development Projects – for Environmental Clearance by M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) SIPCOT Limited Tamil Nadu - under 8(b) Township And Area Development Projects as per the EIA Notification 2006 as Amended - Issued - Regarding.

Ref: 1. TOR vide Lr No. Lr No.SEIAA-TN/F.No. 7652/ SEAC/8(b)/ToR-766/2021 dated:23.09.2020

2. Online Proposal No. SIA/TN/MIS/67813/2022, dated 23.09.2021

3. Your application for Environmental Clearance dated: 24.09.2021

4. Minutes of the 242<sup>nd</sup> meeting of SEAC held on 03.02.2022

5. Minutes of the 485<sup>th</sup> meeting of Authority held on 15.02.2022

6. Minutes of the 282<sup>nd</sup> meeting of SEAC held on 04.06.2022

7. Minutes of the 527<sup>th</sup> meeting of Authority held on 01.07.2022

\*\*\*\*\*

This has reference to your application 2<sup>nd</sup> & 3<sup>rd</sup> cited, for the Proposed Development of Industrial Park by M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) under 8(b) Township And Area Development Projects as per the EIA Notification 2006 as Amended.

The Competent Authority and Authorized Signatory furnished the detailed information in Form 1, Form 1A, Conceptual plan and liquidate enclosures are as Annexures:

  
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**Annexure 1**


S. No	Description	Details
1.	Name of the Project	State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) SIPCOT Limited Tamil Nadu under Sl. No 8 (b) of the Schedule.
2.	Location	119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8,

  
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		206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207- 9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211- 8B, 211-9A, 211-9B, 211-9C, 211-9D of Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu																																				
3.	Type of Project	Townships and area development Projects Schedule 8 (b): >1,50,000 sq.																																				
4.	Total Area (in sq. m) Total Plot area : <b>74.76 Ha (184.66 Acres)</b> <table border="1"> <thead> <tr> <th>Description</th><th>Acres</th><th>Ha</th></tr> </thead> <tbody> <tr> <td>Plot area</td><td>125.52</td><td>50.81</td></tr> <tr> <td>Common amenities</td><td>3.46</td><td>1.41</td></tr> <tr> <td>Commercial activities</td><td>5.20</td><td>2.11</td></tr> <tr> <td>Solid Waste Management</td><td>1.50*</td><td>0.61</td></tr> <tr> <td>Road, Storm Water drain</td><td>13.75</td><td>5.57</td></tr> <tr> <td>OSR Area (10 m along periphery of site and water body)</td><td>15.95</td><td>6.46</td></tr> <tr> <td>Greenbelt area</td><td>7.84**</td><td>3.17</td></tr> <tr> <td><b>Total Developable Area</b></td><td><b>173.22</b></td><td><b>70.14</b></td></tr> <tr> <td>HT line with 22m ROW</td><td>0.18</td><td>0.07</td></tr> <tr> <td>IOCL pipeline with 18 m ROW</td><td>5.89</td><td>2.38</td></tr> <tr> <td>Water Bodies</td><td>5.37</td><td>2.17</td></tr> </tbody> </table>		Description	Acres	Ha	Plot area	125.52	50.81	Common amenities	3.46	1.41	Commercial activities	5.20	2.11	Solid Waste Management	1.50*	0.61	Road, Storm Water drain	13.75	5.57	OSR Area (10 m along periphery of site and water body)	15.95	6.46	Greenbelt area	7.84**	3.17	<b>Total Developable Area</b>	<b>173.22</b>	<b>70.14</b>	HT line with 22m ROW	0.18	0.07	IOCL pipeline with 18 m ROW	5.89	2.38	Water Bodies	5.37	2.17
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<b>Total Area of the Industrial Park</b>		<b>184.66</b>	<b>74.76</b>																																			
<p>*Including E waste storage area</p> <p>** Greenbelt in 3m along road side – 2.77 acres and Additional 5.07 acres of Peripheral green belt apart from OSR area.</p> <p>Total green belt proposed for the IP is 65.21 Acres (26.40 Ha) which is 37.65% of the developable area of 173.22 Acres (70.14 Ha)</p>																																						
5.	Brief description of the project	<table border="1"> <tr> <th>Industry sector</th> <th>% of plotted area</th> <th>Plot nos.</th> <th>Area (Acres)</th> <th>Area (Ha)</th> </tr> <tr> <td>Electronics &amp; Electrical Industries</td> <td>100</td> <td>1 to 24</td> <td>125.52</td> <td>50.81</td> </tr> <tr> <td colspan="3">100</td> <td>125.52</td> <td>50.81</td> </tr> </table>	Industry sector	% of plotted area	Plot nos.	Area (Acres)	Area (Ha)	Electronics & Electrical Industries	100	1 to 24	125.52	50.81	100			125.52	50.81																					
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100			125.52	50.81																																		
6.	Cost of Project	Rs.242 Crores																																				
7.	<p>a) Water requirement:</p> <p>Total water requirement is expected to be 1637 KLD. <u>Fresh water requirement</u> is estimated at 168 KLD, CMWSSB <u>TTRO water requirement</u> is estimated to be 870 KLD. Balance 599 KLD of water will be met from recycling of treated wastewater.</p> <table border="1"> <thead> <tr> <th>Water Usage</th> <th>Fresh water (KLD)</th> <th>TTRO water (KLD)</th> <th>Recycled water (KLD)</th> <th>Total water(KLD)</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td>168</td> <td>0</td> <td>0</td> <td>168</td> </tr> <tr> <td>Flushing</td> <td>0</td> <td>84</td> <td>0</td> <td>84</td> </tr> <tr> <td>HVAC</td> <td>0</td> <td>0</td> <td>119</td> <td>119</td> </tr> <tr> <td>Process</td> <td>0</td> <td>97</td> <td>245</td> <td>342</td> </tr> <tr> <td>Green belt development</td> <td>0</td> <td>689</td> <td>235</td> <td>924</td> </tr> <tr> <td><b>Total</b></td> <td><b>168</b></td> <td><b>870</b></td> <td><b>599</b></td> <td><b>1637</b></td> </tr> </tbody> </table> <p>b) Source : Fresh water requirement will be met from Chembarambakkam Lake through</p>			Water Usage	Fresh water (KLD)	TTRO water (KLD)	Recycled water (KLD)	Total water(KLD)	Domestic	168	0	0	168	Flushing	0	84	0	84	HVAC	0	0	119	119	Process	0	97	245	342	Green belt development	0	689	235	924	<b>Total</b>	<b>168</b>	<b>870</b>	<b>599</b>	<b>1637</b>
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		metro water pipelines. Tertiary Treated water: Koyambedu 45MLD (TTRO plant)		
8.	Waste Water management :			
	Sewage from industries	235	Will be treated by individual industries and reused for flushing green belt development.	
	Effluent from individual industries	368	Will be treated by individual industries and reused for process and utilities. ZLD will be maintained by individual industries.	
9.	Solid Waste Generation and Management			
	Component	Construction phase (Kg/day)	Operation phase(Kg/day)	Disposal Method
	MSW Organic waste	30	1512	SIPCOT shall mandate all the industries to manage the Municipal Solid generated by them within their premises as per norms till the industries are allotted.  Municipal Solid wastes shall be segregated by individual industries as organic and inorganic wastes. Organic wastes shall be composted by individual industries and used for green belt development. Inorganic wastes shall be sold to TNPCB authorized recyclers by the industries.
	MSW Inorganic waste	20	1003	SIPCOT shall earmarked 1.5 Acres of land for establishment of Solid Waste Management facility. SIPCOT shall provide land for the establishment of Municipal Solid Waste Management facility on BOOT basis for all the industries. Inorganic wastes shall be sent to TNPCB authorised recyclers.
10.	Power	7.5 MVA from TANGEDCO		

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	requirement																									
11.	Manpower (Nos)	Construction phase: 100nos Operation phase: 5600nos																								
12.	Details of Green Belt Area																									
	<table><tr><th>Green belt break up</th><th>Area (Acres)</th><th>Area (Ha)</th><th>Area (%)</th></tr><tr><td>OSR Area (10 m along periphery of site and water body)</td><td>15.95</td><td>6.46</td><td>9.2</td></tr><tr><td>33% green belt in industrial plots</td><td>41.42</td><td>16.77</td><td>23.91</td></tr><tr><td>Green belt 3 m along road side</td><td>2.77</td><td>1.12</td><td>1.59</td></tr><tr><td>Green belt along periphery apart from OSR</td><td>5.07</td><td>2.05</td><td>2.92</td></tr><tr><td><b>Total</b></td><td><b>65.21</b></td><td><b>26.4</b></td><td><b>37.65</b></td></tr></table>	Green belt break up	Area (Acres)	Area (Ha)	Area (%)	OSR Area (10 m along periphery of site and water body)	15.95	6.46	9.2	33% green belt in industrial plots	41.42	16.77	23.91	Green belt 3 m along road side	2.77	1.12	1.59	Green belt along periphery apart from OSR	5.07	2.05	2.92	<b>Total</b>	<b>65.21</b>	<b>26.4</b>	<b>37.65</b>	
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<b>Total</b>	<b>65.21</b>	<b>26.4</b>	<b>37.65</b>																							
13.	EMP Cost	Capital Cost- Rs. 8.54 Crores Recurring Cost: Rs.20.2Lakhs																								
14.	CER cost	Rs. 5 crores as per SEAC minutes																								

### **AFFIDAVIT**

I, Tmt. E. Sundaravaili L.A.S., Managing Director, Authorized Signatory, representing M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) having registered office at 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai – 600008, for proposed “Development of Industrial Park over an extent of 74.76 Ha (184.66 Acres) at S.F Nos. 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-

  
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1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D of Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu, hereby take oath and state as under in this affidavit:

- I. The total water requirement of the park is estimated at 1637 KLD (Fresh water:168 KLD, TTRO water:870 KLD and Recycled water:599 KLD). Fresh water requirement for the Industrial Park is proposed to be sourced from Chembarambakkam Lake and TTRO water from Koyambedu Tertiary Treatment Reverse Osmosis plant (TTRO) through Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB).

  
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- II. Power Supply (7.5 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member industries. The Individual industries will avail power supply from TANGEDCO and may have backup DG sets as per their requirement.
- III. All member industries will be instructed to provide rain water harvesting structures as per norms. SIPCOT will construct Rainwater harvesting pits along the storm water drain for recharging ground water.
- IV. Storm water drainage will be provided as open concrete channels along the road ensuring proper collection of storm water and the same will be used for charging the rain water harvesting structures. We affirm that the storm water drain would not carry any untreated (or) treated sewage.
- V. All member industries will be instructed to have their own solid waste and hazardous storage facility within their Plot. Inorganic waste will be sold to TNPCB authorized recyclers by member units. SIPCOT has earmarked 1.5 Acres of land for establishment of Solid Waste Management facility (including E waste shed).
- VI. All member industries will be mandated to store and dispose the hazardous waste generated within their premises as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- VII. Individual industries will be mandated to provide STP/ETP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system.
- VIII. Overall Greenbelt area of the park would be 26.4 Ha (i.e. 37.65% of developable area i.e., 70.14 Ha).
- IX. The Tentative EMP cost of the park is INR 854 Lakhs. Details are given below:

SLNo	Project Components	Tentative Capital Cost (Rs. in lakhs)
1	Storm Water drains	395.00
2	Solar Street Lights	40.00
3	Green Belt Development	65.00

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4	Rain Water Harvesting	35.00
5	Solid Waste Management	25.00
6	Medical Dispensary	25.00
7	E waste shed	269.00
8	Environmental Monitoring	0
	<b>Total EMP Cost</b>	<b>854.00</b>

X. As per Minutes of 282<sup>nd</sup> SEAC meeting, we commit to spend Rs.5 Crores towards CER activities before obtaining CTO from TNPCB. The following CER activities will be undertaken through the District Administration concerned:

- Creation of Environment website and creation of environmental centre in school,
- Revamping school building/ construction/ maintenance of school building,
- Construction of Girls toilet with 24/7 water facility,
- Providing sanitary napkin along with incinerator for the disposal (if applicable),
- Tree plantation in consultation with respective Government School HM, located in Mambakkam village and other such CER activities.

#### Declaration

I, Tmt. E. Sundaravalli, I.A.S., do hereby declare that the statement made by me under para (I) to (X) are true and correct to the best of my knowledge and belief. Nothing is false and nothing is concealed in it.

#### SEAC Recommendations:

Proposed Development of Industrial Park at Mambakkam Village in an area of 74.76 Ha (184.66 Acres) at S.F. Nos. 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-


  
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2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D of Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu under Schedule B - 8(b)-Townships and Area Development Projects – for Environmental Clearance (SIA/TN/MIS/67813/2020, Dated: 23.09.2021)

The proposal was placed for appraisal in this 282<sup>nd</sup> SEAC meeting held on 4.6.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent M/s. State Industries Promotion Corporation of Tamil Nadu Limited, has applied for seeking Environmental Clearance for the Proposed Development of Industrial Park over an extent of 74.76 Ha (184.66 Acres) at S.F. Nos. 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9,

  
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123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D of Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Schedule B - 8(b)- Townships and Area Development Projects - Tamil Nadu over an extent of 74.76 Ha (184.66 Acres).

2. Earlier proponent has applied for ToR and the project was taken for appraisal during 168<sup>th</sup> SEAC meeting for ToR on 05/08/2020 and 397<sup>th</sup> SEIAA meeting held on 21/09/2020. The project was recommended for ToR as per the MoM of 397<sup>th</sup> meeting vide Letter No.

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SEIAA-TN/F.No 7652/SEAC/8(b)/ToR-766/2020 dated.23/09/2020, ToR was obtained by the proponent vide Lr.No.SEIAA-TN/F.No.7652/SEAC/ 8(b)/ToR-766/2020 dated:23.09.2020.

3. The proposed project is under schedule 8(b) – category B1 as per the EIA Notification 2006 and its amendments. Public Hearing is not applicable for the project. The same is mentioned in the ToR dated 23rd September, 2020.
4. As per ToR application the total land area was 87.51 Ha (216.14 Acres). Now during EIA stage, the area is reduced to 74.76 Ha (184.66 acres). The project area was reduced due to the deletion of 0.225 ha of Poramboke land (Salai at SF.No.120/2B) from GO (Ms) No.138 dated 08.07.2008 and also by deletion of 12.52 ha of additional lands due to administrative reasons. Accordingly, in the EIA report the land extent was considered as 74.76 ha (71.585 ha of patta land and 3.175 ha of poramboke land).
5. On perusal of survey numbers mentioned in the ToR issued it was noticed that the following survey numbers 120/2B, 131/1, 216-1, 216-2, 216-3, 216-6, 216-7, 216-8, 216-9, 216-10, 216-11A, 216-11B, 216-12, 216-13, 216-14, 216-15, 217-1, 217-2, 217-3, 217-4, 217-5, 217-6, 217-7, 217-8, 217-9, 217-10, 217-11, 218-1 Pt, 218-2A, 218-2B Pt, 219-1 Pt, 219-2A Pt, 219-2B Pt, 219-15 Pt, 219-16, 219-17 Pt, 219-18 Pt, 219-19, 219-20, 221-2 Pt, 221-3, 211-4A, 221-4B, 221-5, 221-6 Pt, 221-7 Pt, 221-9, 222-4 Pt, 222-5, 222-6 Pt, 222-7, 222-8, 222-9, 222-11B Pt, 222-11C Pt, 222-11D Pt, 222-12A, 222-12B, 222-13A, 222-13B, 227-4 Pt, 227-5 Pt, 227-6 Pt, 227-7 Pt, 227-9Pt, 227-10, 227-11A, 227-11B, 228-4A, 228-4B, 228-5 were found to be removed and S.F.No.132/1 was added in the EC application.
6. Now the proponent has applied for EC through online vide proposal No. SIA/TN/MIS/67813/2020 Dated: 23.09.2021 .PP has submitted the compliance of the conditions stipulated in the Terms of Reference along with the EIA/EMP report with revised water balance and sewage quantity and solid wastes quantity.
7. As per the EIA Notification 2006 and its amendments the project is termed under Schedule 8 (b), Category B, since the area of Industrial Park is< 500 hectare and not housing any industry of Category A or B. As reported ,the Industrial Park is proposed to accommodate only Electronics/Electrical Industries which do not fall under the purview of EIA Notification 2006 and its subsequent amendments.

  
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8. 100% of the plotted area 125.52 Acres (50.81 Ha) is proposed to be allotted for Electronics & Electrical parts manufacturing and assembling industries falling under Red, Orange, Green & White category industries. Total number of plots proposed for the Industrial Park is 24.
9. As per the land documents, administrative sanction was accorded by the Government for the following :
- (i) Acquisition of 38.54.0 hectares of patta dry lands and alienation of 2.02.5 hectares of poramboke lands (totaling 40.56.5 hectares) at Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide G.O. (Ms.) No.138 Industries (SIPCOT-LA) Department dated:08.07.2008.
  - (ii) Acquisition of 34.00.0 hectares of patta dry lands and alienation of 1.37.5 hectares of grazing ground poramboke and Vaikkal poramboke land (totaling 35.37.5 hectares) at Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide G.O. (Ms.) No.1 Industries (SIPCOT-LA) Department dated: 02.01.2009.
  - (iii) Acquisition of 9.06.5 hectares of dry land at Mambakkam Village Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu vide G.O. (Ms.) No.148 Industries (SIPCOT-LA) Department dated:07.12.2016.
  - (iv) PP has also furnished acknowledgment letter obtained from Special Tahsildar vide letter dated 07.11.2008 for reduction of 0.39.5 hectares of land from G.O. (Ms.) No.138 Industries (SIPCOT-LA) Department dated: 08.07.2008.
10. The centre coordinates lies at Latitude: 12°55'30.69"N & Longitude: 79°53'52.66"E
11. As per ToR application during Operation phase, Total water requirement was 2831 KLD. Fresh water requirement -200 KLD, TTRO water requirement - 1127.5 KLD and recycled water - 1503.5 KLD. The reduction in water requirement is due to reduction in 31.48 Acres of land for the project.
12. During operational phase, total water requirement is about 1637 kLD. Out of which, Fresh water requirement is 168 kLD , 870 kLD is TTRO water and 599 kLD is Recycled water. PP has furnished letter obtained from the Government vide G.O.(Ms) No. 134 dated 31.03.1997 for the fresh water supply of 5 million cubic feet per day from Chembarambakkam Lake. PP has also furnished letter obtained from CMWSSB vide letter dated 13.04.2020 for supply of 45 MLD TTRO water.

  
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13. Effluent Generation – 368 kLD, Sewage Generation – 235 kLD. (Effluent Treatment Plant – 450 kLD, Sewage Treatment Plant – 275 kLD)

14. The Treated Effluent (364 kLD) will be treated by individual industries and reused for Process and Utilities. The Treated Sewage (235 kLD) will be treated by individual industries and reused for Greenbelt Development. Further TTRO water (870 kLD) will be used for Greenbelt Development (689 kLD), Flushing (84 kLD) and Process (97 kLD).

15. Greenbelt area – 65.21 acres (26.40 Ha with 37.65% of developable area)

16. Government of Tamil Nadu has permitted SIPCOT to use OSR as Green Belt vide G.O. (Ms).No.157 Housing and Urban Development [UD4(3)] Department dated: 28.08.2017.

Earlier, this proposal was placed before 242<sup>nd</sup> meeting of SEAC held on 03.02.2022, based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the certain conditions as stated therein.

This proposal has placed before 485<sup>th</sup> SEIAA meeting held on 15.2.2022 and 500<sup>th</sup> SEIAA meeting held on 18.4.2022. Authority decided call for the following details from the PP.

1. The project proponent shall furnish agreement between IOCL and SIPCOT to SEIAA before obtaining EC.
2. The project proponent shall inform DISH about development of SIPCOT near gas pipeline and mock drill shall be conducted along with SIPCOT agency and report of the same shall be submitted to SEIAA before obtaining EC.
3. Since gas pipeline is crossing, the project proponent shall submit NOC obtained from PESO to SEIAA before obtaining EC.
4. The project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in the certificate.
5. As per the MoEF&CC Office Memorandum F.No. 22-65/2017 -[A.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP and revised CER shall be furnished before placing the subject to SEIAA.
6. The project proponent shall furnish the details of Patta/ Govt.Land/other acquired taken over covering 184.66Ha proposed.

Based on the reply furnished by the PP, this subject has again been placed before 282<sup>nd</sup> SEAC

  
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meeting held on 4.6.2022. The PP has made the representation along with said details as sought by SEIAA. Based on the presentation & documents furnished by the PP, SEAC decided to **recommend the proposal for the grant of Environmental Clearance**, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions.

1. The project proponent shall continuously operate and maintain the Sewage treatment plant & Grey Water Treatment Plant to achieve the standards prescribed by the TNPCB/CPCB.
2. The project proponent shall inform DISH about development of SIPCOT near gas pipeline and mock drill shall be conducted along with SIPCOT agency and report of the same shall be submitted to SEIAA before obtaining CTO from TNPCB.
3. The project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in the certificate.
4. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB.
5. The height of the stacks of DG sets shall be provided as per the CPCB norms.
6. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
7. The proponent shall make proper arrangements for the disposal of the treated water from the proposed site for Toilet flushing, green belt development & OSR and no treated water be let out of the premises.
8. The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
9. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
10. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be

  
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chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

11. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
12. The project proponent shall provide entry and exit points for the OSR area, play area as per the norms for the public usage and as committed.
13. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
14. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
15. No waste of any type to be disposed off in any other way other than the approved one.
16. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
17. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
18. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
19. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
20. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
21. 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 and revised CER shall be furnished before placing the subject to SEIAA.

  
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22. As accepted by the PP the revised CER cost of Rs.5 crore shall be spent with activities, particularly creation of Environmental Website and also creation of Environment centre in school, revamping School building/Construction/Maintenance of School building, construction of Girls toilet with 24/7 water facility, providing sanitary napkin along with Incinerator for the disposal (if applicable), tree plantation in consultation with concerned Government School HM located in Mambakkam Village before obtaining CTO from TNPCB.

**Appendix -I**  
**List of Native Trees Suggested for Planting**

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விவரம்
2	<i>Adenanthera pavonina</i>	Marjadi	மஞ்சள், ஆனந்தகுன்றம்
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Uai	உ.சா
5	<i>Bauhinia purpurea</i>	Manthara	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவாத்தி
8	<i>Buchanania axillaris</i>	Kathuna	காடகூர்
9	<i>Borassus flabellifer</i>	Parai	பனை
10	<i>Butea monosperma</i>	Murakkamaram	முருகமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Purrai	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரகண்டிரை
14	<i>Cassia roxburghii</i>	Seegondrai	செங்கண்டிரை
15	<i>Chloroxylon swietenia</i>	Puracamarum	புரக மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naravuli	நரவூர்
18	<i>Cratogeomys</i>	Mavalangum	மாவலங்கம்
19	<i>Dillenia indica</i>	Uva, Uruva	உ.சா
20	<i>Dillenia pentagyna</i>	SiruUva, SiruUruva	சீரு உ.சா
21	<i>Diospyros schomburgkii</i>	Karungali	கருங்காளி
22	<i>Diospyros schloroxylon</i>	Vaganai	வாகை
23	<i>Ficus amplissima</i>	Kalitchi	கை இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupooraradu	ஆத்ரூபூராத்
25	<i>Hartwegia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayib	ஆயிப் மரம், ஆயிப்
27	<i>Lamnea coromandelica</i>	Odham	ஒதம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கோட்டை மரம்
30	<i>Limonia acidissima</i>	Vila naram	விலா மரம்
31	<i>Litsea glutinosa</i>	Pisinpattai	பிளிப்பை, பிளிப்பை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPalai	உலக்கை பழை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadamba	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுனா
38	<i>Phoenix sylvestris</i>	Eachai	ஈசை
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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40	<i>Premna mollissima</i>	Murrai	முன்னை
41	<i>Premna serratifolia</i>	Narumurai	நறு முன்னை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Vanni maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	புலவு
47	<i>Putranjiva roxburghii</i>	Karipala	கறிபலா
48	<i>Salvadora persica</i>	Ugai Maram	வகா மரம்
49	<i>Sapindus emarginatus</i>	Manipurigan, Soapukai	மனிப்புங்கன் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Piray maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வெண் மருது
57	<i>Toona ciliata</i>	Sandhana vembu	சந்தன வேம்பு
58	<i>Thesperia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratriplata</i>	valsura	வாலசுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலை
61	<i>Pithecollobium dulce</i>	Kodukkapuli	கொடுக்காப்பூளி


### **SEIAA Recommendations:**

The proposal was placed in the 527<sup>th</sup> Authority meeting held on 01.07.2022. The Authority after detailed discussions accepted the recommendation of SEAC and decided to grant of Environmental Clearance subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions:

1. The project proponent shall in-house only non - EIA attracting industries alone (Electronics & Electrical parts manufacturing and assembling industries falling under Red, Orange, Green & White category industries) as per EIA notification as amended for the proposed 24 nos. of plots.
2. The project proponent shall start establishment only after complete alienation of Patta lands, Govt. Poramboke lands & water bodies within the proposed site in concurrence with the competent authority before obtaining consent from TNPCB.


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3. The project proponent shall obtain necessary permission for water bodies within/around the proposed site from the Competent Authority before obtaining CTE from TNPCB.
4. The project proponent (SIPCOT) shall ensure that IOCL pipeline within the proposed project site shall not be disturb at any time and the SIPCOT shall provide & maintain adequate safety distance at all times as per recommendation of competent authority. Also, the proponent shall ensure that prior intimation from the IOCL & competent authorities are obtained every time for carrying out any development activities /maintenance activities around the said IOCL Pipeline within/around the proposed project site and such development activities /maintenance activities shall be carried out under the supervision of IOCL & competent authorities.
5. The project proponent (SIPCOT) shall earmark in & around the IOCL pipeline area & HT line area within/around the project site & declare the said area as non- development area /prohibited area for any form of public access including parking of any type vehicles as a safety precautionary measure.
6. The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.
7. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the effluent generated by providing adequate individual ZLD followed by reject management system and shall reuse the treated effluent for the process activity.
8. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall treat the Sewage generated by providing adequate individual STP and shall reuse the treated sewage for the toilet flushing & green belt/gardening as committed.
9. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall 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.

  
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10. The project proponent shall ensure that non - EIA attracting Industries to be in-housed shall provide elevated STP/ETP of adequate capacity & its utilities above the ground level with adequate height considering highest rainfall & flood level /inundation point of view as recommended by the competent authority for the proposed project site.
11. The project proponent shall ensure that the industries to be in-housed shall adhere that no treated or untreated trade effluent/sewage is discharged outside the premises under any circumstances.
12. The project proponent and the non - EIA attracting Industries to be in-housed shall provide & ensure that the utilities/ arrangements for fresh water supply, Storm/rain water management, and for reuse of treated sewage/effluent as proposed.
13. The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.
14. The project proponent shall obtain necessary permission for disposal of excess storm water from the competent authority before obtaining CTO.
15. The project proponent shall ensure that industries to be in-housed shall operate and maintain the proposed STP / ETP efficiently and continuously to bring the quality of treated sewage/effluent to satisfy the discharge standards prescribed by the CPCB at all times.
16. The proponent & the Industries to be in-housed shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/ equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
17. The recommendation for the issue of Environmental Clearance is subject to outcome of Hon'ble High Court of Madras in W.P Nos. 20763/2017 & 27850/2019.
18. The project proponent & the Industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.

  
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19. The project proponent shall ensure Industries to be in-housed shall adhere to provide adequate parking space for visitors of all inmates including clean traffic plan as committed.
20. The project proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.
21. The proponent & the Industries to be in-housed shall strictly adhere to all biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly from time to time as guidance of competent authority.
22. The proponent & the Industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.
23. The proponent & the Industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.
24. 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.
25. 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.
26. The proponent & the Industries to be in-housed shall ensure proper arrangement & utilization of recycled water.
27. The proponent & the Industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
28. The proponent & the Industries to be in-housed shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
29. All the Buildings shall be energy efficient and confirm to the green building norms.
30. The proponent & the Industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.
31. The proponent & the Industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.
32. The proponent & the Industries to be in-housed shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.

  
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33. The proponent & the Industries to be in-housed shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
34. The proponent & the Industries to be in-housed 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.
35. The proponent & the Industries to be in-housed shall ensure to provide the emergency exit in the buildings.
36. The proponent & the Industries to be in-housed shall ensure to provide elevator as per rules CMDA/DTCP.
37. The proponent & the Industries to be in-housed shall ensure to provide adequate capacity of DG set (standby) for the proposed STP so as ensure continues and efficient operation.
38. The proponent & the Industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
39. The project proponent & the Industries to be in-housed shall adhere to storm water management plan as committed..

Environmental Clearance along with the conditions containing four parts namely

Part - A – Common conditions applicable for Pre-construction, Construction and Operational Phases

Part - B – Specific Conditions – Pre construction phase

Part - C – Specific Conditions – Construction phase

Part - D – Specific Conditions – Operational Phase/Post constructional Phase / Entire life of the project.

**Validity:**

**The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 as amended, with validity for Seven years from the date of issue of EC, subject to the compliance of the terms and conditions stipulated below:**

**Part - A – Common conditions applicable for Pre-construction, Construction and Operational Phases:**

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1. Any appeal against this Environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
2. The construction of STP, ETP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.
3. The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.
4. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
5. The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
6. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
7. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
8. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

  
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9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
11. The conditions will be enforced inter-alia, under the provisions of the 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, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 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, including the Hon'ble National Green Tribunal relating to the subject matter.
12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
13. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.
15. The SEIAA, TN may cancel the Environmental Clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the Environmental Clearance.
16. The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities

  
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would be considering the project on merits and be taking decisions independently of the Environmental Clearance.

17. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
18. The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
19. Where the trees need to be cut, compensation plantation in the ratio of 1:10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.
20. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
21. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.
22. The Project Proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
23. The project activity should not cause any disturbance & deterioration of the local bio diversity.
24. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
25. All the assessed flora & fauna should be conserved and protected.
26. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
27. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
28. The proponent shall appoint an Environmental Engineer with necessary qualification for


  
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the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)

29. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
30. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
31. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
33. The safety measures proposed in the report should be strictly followed.

**Part - B – Specific Conditions – Pre construction phase:**

1. The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
3. A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.
4. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of firefighting equipments, etc. as per National Building Code including protection measures from lightning etc. before commencement of the work.
5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
6. Design of buildings should be in conformity with the Seismic Zone Classifications.

  
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7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
8. No construction activity of any kind shall be taken up in the OSR area.
9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
11. The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.
12. The project proponent shall ensure the entry of basement shall be above maximum flood level.
13. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details
  - i. Location of STP, compost system, underground sewer line.
  - ii. Pipe Line conveying the treated effluent for green belt development.
  - iii. Pipe Line conveying the treated effluent for toilet flushing
  - iv. Water supply pipeline
  - v. Gas supply pipe line, if proposed
  - vi. Telephone cable
  - vii. Power cable
  - viii. Storm water drains, and
  - ix. Rain water harvesting system, etc. and it shall be made available to the owners
14. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
15. The present land use surrounding the project site shall not be disturbed at any point of time.
16. The green belt area shall be planted with indigenous native trees.
17. Natural vegetation listed particularly the trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.

  
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18. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
19. The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
20. There should be Firefighting plan and all required safety plan.
21. Regular fire drills should be held to create awareness among owners/ residents.

**Part - C - Specific Conditions – Construction phase:**

**1. Construction Schedule:**

- i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.

**2. Labour Welfare:**

- i) All the laborers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
- ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.
- iii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

**3. Water Supply:**

- i) The entire water requirement during construction phase may be met from private tankers
- ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through

  
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dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.

- iv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.

#### **4. Solid Waste Management:**


- i) In the solid waste management plan, the STP sludge management plan for direct use as manure for gardens is not acceptable; it must be co-composted with biodegradables.
- ii) Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM Rules 2016.
- iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.
- iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.

#### **5. Top Soil Management:**

- i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.

#### **6. Construction Debris disposal:**

- i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people. The construction and demolition waste shall be managed as per Construction & Demolition Waste Management Rules, 2016.
- ii) Construction spoils, including bituminous materials and other hazardous materials, must not be allowed to contaminate watercourses. The dump sites for such materials

  
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must be secured so that they should not leach into the adjacent land/ lake/ stream etc.

**7. Diesel Generator sets:**

- i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.
- ii) The diesel required for operating stand by DG sets shall be stored in barrels fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.
- iii) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.

**8. Air & Noise Pollution Control:**

- i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.
- iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per CMDA norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.
- iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.
- v) The project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.

  
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#### **9. Building material:**

- i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.
- ii) Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.
- iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.

#### **10. Storm Water Drainage:**

- i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.
- ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.

#### **11. Energy Conservation Measures:**

- i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.
- ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.
- iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.
- iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.
- v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.

  
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- vi) Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

#### **12. Fire Safety:**

- i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.
- ii) Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.

#### **13. Green Belt Development:**

- i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.
- ii) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.
- iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.

#### **14. Sewage Treatment Plant:**

- i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed Academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.
- ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.
- iii) The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.

  
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- iv) The project proponent shall continuously operate and maintain the Sewage treatment plant and Effluent treatment plant to achieve the standards prescribed by the CPCB.
- v) The project proponent has to ensure the complete recycling of treated Sewage & Effluent water after achieving the standards prescribed by the CPCB.
- vi) The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP in case of power failure.

**15. Rain Water Harvesting:**

- i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.
- ii) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.
- iii) The Project Proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
- i) The project activity should not cause any disturbance & deterioration of the local bio diversity.

**16. Building Safety:**

Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.

**Part – D - Specific Conditions – Operational Phase/Post constructional phase/Entire life of the project:**

- 1. There should be Firefighting plan and all required safety plan.
- 2. Regular fire drills should be held to create awareness among owners/ residents.
- 3. Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM Rules 2016.
- 4. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
- 5. Solar energy saving shall be increased to atleast 10% of total energy utilization.


  
**MEMBER SECRETARY**  
**SEIAA-TN**




6. The Project proponent has to spend the CER as committed in the affidavit. The above activity shall be carried out before obtaining CTO from TNPCB.
7. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually
8. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
9. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
10. The Project proponent should discuss with the wet land Authority, Tamil Nadu Forest Department, PWD and support lake restoration cum improvement, awareness and conservation programs.
11. The project activities should in no way disturb the manmade structures.
12. The Proponent shall do afforestation/ restoration programme contemplated to strengthen the open spaces shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
13. "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.
14. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
15. The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage treatment and disposal, solid waste disposal and environmental monitoring including terrace gardening for a period of 3 years. Within one year after handing over the flats to all allottees a viable society or an association among the allottees shall be formed to take responsibility of continuous maintenance of all facilities with required agreements for compliance of all conditions furnished in Environment Clearance (EC) order issued by the SEIAA-TN or the Proponent himself shall maintain all the above facilities for the entire period. The copy of MOU between the buyers Association and proponent shall be communicated to SEIAA-TN.

  
**MEMBER SECRETARY**  
**SEIAA-TN**

16. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
17. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. The treated sewage shall conform to the norms and standards for bathing quality laid down by CPCB irrespective of any use. Necessary measures should be made to mitigate the odour and mosquito problem from STP.
18. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
19. It is the sole responsibility of the proponent that the treated sewage water disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc
20. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
21. The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016 as amended.
22. Diesel power generating sets proposed as source of back-up power during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.
23. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
24. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
25. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
26. The proponent shall ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.

  
MEMBER SECRETARY  
SEIAA-TN

27. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
28. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
29. The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect/not in order at a later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.

  
**MEMBER SECRETARY**  
**SEIAA-TN**

**Copy to:**

1. The Additional Chief Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ), 34, HEPC Building, 1<sup>st</sup> & 2<sup>nd</sup> Floor, Cathedral Garden Road, Nungambakkam, Chennai - 34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. The Corporation of Kancheepuram, Kancheepuram District.
7. Stock File.





# TAMILNADU POLLUTION CONTROL BOARD

Category of the Industry :

RED



CONSENT ORDER NO. 2201248057277

DATED: 28/12/2022.

PROCEEDINGS NO.T4/TNPCB/F.3099SPR/RL/SPR/A/2022 DATED: 28/12/2022



**SUB:** TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK AT MAMBAKKAM, S.F. No. SF No.s 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, MAMBAKKAM village, Sriperumbudur Taluk and Kancheepuram District - for the establishment or take steps to establish the industry under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987(Central Act. 14 of 1981)-Issued -Reg.

**REF:** 1. Unit's application for CTE on 27.09.2022/ 03.12.2022  
2. IR.No : F.3099SPR/RL/AEE/SPR/2022 dated 21/11/2022  
3. Minutes of TSC Resolution No. 208-02 dated 22.12.2022

Consent to establish or take steps to establish is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act,1981, as amended in 1987 and the Rules and Orders made there under to

The Managing Director,

M/s. SIPCOT INDUSTRIAL PARK AT MAMBAKKAM

S.F No.SF No.s 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-





## TAMILNADU POLLUTION CONTROL BOARD

3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District.

MAMBAKKAM Village,  
Sriperumbudur Taluk,  
Kancheepuram District.

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F No. SF No.s 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District.

MAMBAKKAM Village,  
Sriperumbudur Taluk,



## TAMILNADU POLLUTION CONTROL BOARD

Kancheepuram District.

This Consent to establish is valid upto **June 30, 2029**, or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

Digitally signed by  
**RAGUPATHI SANGANAN**  
Date: 2022.12.29  
12:05:47 +05'30'  
For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

To  
The Managing Director,  
M/s.SIPCOT INDUSTRIAL PARK AT MAMBAKKAM,  
STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD (SIPCOT),  
19-A, RUKMANI LAKSHMIPATHY ROAD,  
EGMORE, CHENNAI.,  
Pin: 600008

**Copy to:**

1. The Commissioner, SRIPERUMBUDUR-Panchayat Union, Sriperumbudur Taluk, Kancheepuram District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, SRIPERUMBUDUR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
4. File





## TAMILNADU POLLUTION CONTROL BOARD

### SPECIAL CONDITIONS

1. This consent to establish is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	The Industrial Park is an infrastructure development project proposed in 74.76 Ha (184.66 Acres) which involves development and maintenance of roads, storm water drains, water supply, power supply through TANGEDCO, street lights, green belt development and other such amenities to accommodate Electrical, Electronics & any other industries that will not fall under A or B Category as per EIA notification, 2006 and amendments.	74.76	Hectares

2. This consent to establish is valid for establishing the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

<b>I Point source emission with stack :</b>				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm <sup>3</sup> /hr
<b>II Fugitive/Noise emission :</b>				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	

### 3. Special Additional Conditions:

- i. The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.
- ii. The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

### 4. Additional Conditions:

1. The SIPCOT shall ensure to comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Lr.No.SEIAA-TN/F.No.7652/EC(a)/852/2022 dated 01.07.2022.
2. The SIPCOT shall ensure that no process emission is let out from its activity.
3. The SIPCOT shall conduct Ambient Noise level survey report and Ambient Air Quality survey report for base line data to assess the quality of Ambient Air and Ambient Noise level and submit the report.
4. The SIPCOT shall ensure that the allotted industries provide adequate APC/ acoustic/ odour control measures, so as to ensure that the emission satisfy the AAQ/SM/ANL standards prescribed by the Board and for containment of odour emanating from the industries.
5. The SIPCOT shall initiate action to develop green belt in 33% of total area with native species.
6. The SIPCOT shall remit consent fee in case of revision by the Government.

# TAMILNADU POLLUTION CONTROL BOARD



Digitally signed by  
RAGUPATHI  
SANGANAN  
Date: 2022.12.29  
12:06:15 +05'30'  
For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai



## TAMILNADU POLLUTION CONTROL BOARD

### GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

**RAGUPATHI  
SANGANAN**

Digitally signed by

RAGUPATHI

SANGANAN

Date: 2022.12.29

12:06:45 +05'30'

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai





## TAMILNADU POLLUTION CONTROL BOARD

Receipt No: 850/2023



Category of the Industry :

RED

**CONSENT ORDER NO. 2201148057277**

**DATED: 28/12/2022.**

**PROCEEDINGS NO.T4/TNPCB/F.3099SPR/RL//SPR/W/2022 DATED: 28/12/2022**



**SUB:** TNPC Board-Consent for Establishment-M/S SIPCOT INDUSTRIAL PARK AT MAMBAKKAM S.F No. SF No.s 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6, 123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, MAMBAKKAM Village, Sriperumbudur Taluk, Kancheepuram District - for the establishment or take steps to establish the industry under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 (Central Act 6 of 1974)- Issued-Reg.

**REF:** 1. Unit's application for CTE on 27.09.2022/ 03.12.2022  
2. IR.No : F.3099SPR/RL/AEE/SPR/2022 dated 21/11/2022  
3. Minutes of TSC Resolution No. 208-02 dated 22.12.2022

Consent to establish or take steps to establish is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 (Central Act 6 of 1974) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The Managing Director,

SIPCOT INDUSTRIAL PARK AT MAMBAKKAM

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F. No. SF No.s 119-1, 119-2A, 119-3A1A, 119-4, 119-5, 119-7A1, 119-8, 119-9, 119-10, 120-1, 120-2A1A, 120-2A2A, 120-2A3, 120-3, 120-4, 120-5, 121-1, 121-2, 121-3, 121-4, 121-5, 121-6A, 121-6B, 121-6C, 121-6D, 121-6E, 121-6F, 122-1, 122-2A, 122-2B, 122-2C, 122-3, 122-4A, 122-4B, 122-5, 123-1, 123-2, 123-3A, 123-3B, 123-4, 123-5A, 123-5B, 123-5C, 123-6,



## TAMILNADU POLLUTION CONTROL BOARD

123-7A, 123-7B, 123-8, 123-9, 123-10, 123-11, 123-12, 123-13, 123-14, 123-15, 123-16, 123-17, 123-18, 124-1, 124-2, 124-3A, 124-3B, 124-3C, 124-4, 124-5, 124-6, 124-7, 124-8, 124-9A, 124-9B, 124-10, 124-11, 124-12, 124-13, 124-14A, 124-14B, 124-15, 124-16, 124-17, 125-1A, 125-1B, 125-2, 125-3, 125-4, 125-5, 126-1, 126-2, 126-3, 126-4, 126-5, 126-6, 126-7, 126-8, 126-9, 126-10, 126-11A, 126-11B, 126-12, 127-1A1, 127-1A2, 127-1B, 127-2, 127-3, 127-4, 127-5, 127-6, 127-7, 127-8, 127-9, 127-10, 128-1, 128-2, 128-3, 128-4, 128-5, 128-6, 128-7, 128-8, 129-1, 129-2, 129-3, 129-4, 129-5, 129-6, 129-7, 129-8, 129-9A, 129-9B, 129-9C, 130, 132-1, 132-2A, 132-2B, 132-2C, 132-2D, 132-2E, 132-3, 132-6, 132-7A, 132-7B, 132-8, 132-9, 149-1, 149-2, 149-3A, 149-3B, 198-1, 198-2, 198-3, 198-4, 198-5, 198-6, 198-7A, 198-8A, 198-8B, 198-9, 198-10, 199-2, 199-4, 199-6, 200-1, 200-2B, 200-3, 200-4, 200-5, 200-6, 200-7, 200-8, 200-9, 200-10A, 200-10B, 200-11, 200-12, 200-13, 200-14, 200-15, 200-16, 201-1, 201-2, 201-3A, 201-3B, 201-3C, 201-3D, 201-4A, 201-4B, 201-5, 201-6, 201-9, 201-10, 201-11, 201-12, 201-13, 201-14A, 201-14B, 202-1A, 202-1B, 202-2A, 202-2B, 202-3A, 202-3B, 202-4, 202-5, 202-6A, 202-6B, 202-7, 202-8A, 202-8B, 202-9, 202-10, 202-11, 202-12A, 202-13, 202-14, 202-15, 202-16A, 202-16B, 202-17, 202-18, 204-1, 204-2, 204-3, 204-4, 204-5, 204-6, 204-7, 204-8, 204-9, 204-11, 204-12, 204-13A, 204-13B, 204-13C, 204-13D, 204-14, 204-15, 204-16A, 204-16B, 204-17, 205-1, 205-2, 205-3, 205-4, 205-5A, 205-5B, 205-6, 205-7, 205-8, 205-9, 205-10A, 205-10C, 206-1, 206-2, 206-3, 206-4, 206-5, 206-7, 206-8, 206-9, 206-11, 207-1, 207-2, 207-3, 207-4, 207-5, 207-6, 207-7, 207-8, 207-9A, 207-9B, 207-10, 207-11, 207-12, 207-13, 207-14, 208-1, 208-2, 208-3, 208-4, 208-6, 208-7, 208-8, 208-9, 208-10, 208-11, 208-12, 208-13, 208-14, 208-15, 208-16, 208-17, 208-18, 208-19, 208-20, 209-1, 209-2, 209-3, 209-4C, 209-4E, 209-5, 209-6, 209-7A, 209-7B, 210-1, 210-2, 210-3, 210-4, 210-5A, 210-5B, 210-5C, 210-5D, 210-6, 210-7A, 210-7B, 210-8, 210-9, 210-10, 211-1A, 211-1B, 211-2, 211-3A, 211-3B, 211-3C, 211-5A, 211-5B, 211-5C, 211-5D, 211-6, 211-7A, 211-7B, 211-7C, 211-7D, 211-7E, 211-7F, 211-8A, 211-8B, 211-9A, 211-9B, 211-9C, 211-9D at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District,

MAMBAKKAM Village,

Sriperumbudur Taluk,

Kancheepuram District.

This Consent to establish is valid upto **June 30, 2029**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

Digitally signed by  
**RAGUPATHI SANGANAN**  
Date: 2022.12.29  
12:03:14 +05'30'  
For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

To  
The Managing Director,  
M/s. SIPCOT INDUSTRIAL PARK AT MAMBAKKAM,  
STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD (SIPCOT),  
19-A, RUKMANI LAKSHMIPATHY ROAD,  
EGMORE, CHENNAI,  
Pin: 600008

**Copy to:**

1. The Commissioner, SRIPERUMBUDUR-Panchayat Union, Sriperumbudur Taluk, Kancheepuram District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, SRIPERUMBUDUR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
4. File





## TAMILNADU POLLUTION CONTROL BOARD

### SPECIAL CONDITIONS

- This consent to establish is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	The Industrial Park is an infrastructure development project proposed in 74.76 Ha (184.66 Acres) which involves development and maintenance of roads, storm water drains, water supply, power supply through TANGEDCO, street lights, green belt development and other such amenities to accommodate Electrical, Electronics & any other industries that will not fall under A or B Category as per EIA notification, 2006 and amendments.	74.76	Hectares

- The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.

<b>a Sewage Treatment Plant:</b>			
Treatment status: Septic Tank and SP/DT			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Septic Tank	1	4.2 m x 2.3 m x 1.9
2.	Soak Pit	1	1.0 m dia x 2.5 m Ht
<b>b Effluent Treatment Plant:</b>			
Treatment status: No trade effluent and hence does not arise			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.			

- This consent to establish is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
<b>Effluent Type : Sewage</b>			
1.	Sewage 1(From SIPCOT Project office)	0.85	On Industrys own land
2.	Sewage 2 (From Individual industries)	235.0	Will be treated by Individual industries and reused for flushing and green belt development
<b>Effluent Type : Trade Effluent</b>			
1.	Effluent from Individual Industries	368.0	Will be treated by Individual industries and reused for process and utilities. ZLD will be maintained by individual industries.

- Special Additional Conditions:



The unit shall obtain prior permission from the National Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

5. **Additional Conditions:**





## TAMILNADU POLLUTION CONTROL BOARD

1. The SIPCOT shall ensure to comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Lr.No.SEIAA-TN/F.No.7652/EC(a)/852/2022 dated 01.07.2022.
2. The issue of CTE to the project shall not be construed as CTO and shall not commission the project without obtaining CTO from the Board.
3. The SIPCOT shall start its establishment activities only after getting the necessary project/building approvals from the competent authorities.
4. In accordance with Item No.9 of the EIA Notification, 2006, the SIPCOT shall possess valid EC while applying for CTO of the Board.
5. In accordance with Item No.11 of the EIA Notification, 2006, SIPCOT shall obtain NOC from MoEF/ SEIAA in the event of transfer of original EC in a different name.
6. This consent order does not absolve from obtaining necessary permission / Clearance from other Authority or under other statutes as applicable.
7. The SIPCOT shall obtain and furnish the approved planning permission from the Competent Authority while applying for CTO of the Board.
8. The unit shall furnish land delivery receipt for all the proposed survey numbers of Mambakkam Village, while applying for CTO of the Board.
9. The stability of the entire building does not falls under the purview of the TNPC Board.
10. The SIPCOT shall allow only the industries that do not attract the provisions of EIA notification 2006 as amended in the industrial park as per the EC obtained.
11. The SIPCOT shall ensure that the allotted industrial units obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
12. The SIPCOT shall provide Septic Tank followed by Soak Pit to treat the Sewage generated from SIPCOT Administrative Building, so as to achieve the standards prescribed by the Board.
13. The SIPCOT shall submit baseline data for ground water to assess the quality of ground water around 1 KM radius outside the boundary of the project and also from available open wells inside the premises within a month's time.
14. The SIPCOT shall monitor the ground water in and around the unit premises periodically, so as to assess its quality and submit the ROA of the same to the Board.
15. The SIPCOT shall ensure that all the individual industries manage the Municipal Solid Waste generated by them within their premises as per Solid waste Management Rules 2006 as amended.
16. The SIPCOT shall provide a common solid waste treatment and disposal facility for the disposal of solid wastes (bio degradable wastes).
17. The bio degradable solid waste, non bio degradable solid waste, STP sludge, etc., shall be properly collected, segregated and disposed as per the provision of Solid waste(Management and Handling) Rules, 2016.
18. The SIPCOT shall allot 5% of the total plot area for Solid Waste Management as per the Solid waste Management Rules, 2016 as amended.
19. The SIPCOT shall earmark the area allotted for Greenbelt development and 5% for Solid Waste Management in a layout plan and furnish the same while applying for CTO of the Board.
20. The SIPCOT shall provide Rain Water Harvesting pits so as to recharge the ground water table.
21. The SIPCOT shall ensure that the plastic wastes are segregated and disposed as per the provisions of Plastic Waste (Management and Handling) Rules, 2016.
22. The SIPCOT shall properly develop the common amenities like road, Storm water drain, street lights, water supply pipelines and avenue plantation in OSR area.
23. The SIPCOT shall earmark the buffer zone all around the periphery of the layout.
24. The SIPCOT shall provide solar powered lights for illumination of common areas, lighting for gardens and street lighting.
25. The SIPCOT shall ensure that all the allotted industries implement ZLD system for treating the trade effluent and shall ensure that no treated/ untreated sewage or trade effluent gain access outside the unit premises on land/water sources under any circumstance.
26. The SIPCOT shall ensure that the allotted units not dig any well or bore well inside their premises for drawing of ground water.
27. The SIPCOT shall comply with the E- waste Management Rules, 2016. E-waste as listed in Schedule - I if generated, shall be channelized through collection centre or dealer of authorized producer or dismantler or recycler or through the designated take back service provider of the producer to authorized dismantler or recycler. The unit shall maintain records of e- waste generation in Form - 2 and make such records available for scrutiny by the TNPCB.
28. The SIPCOT shall ensure that the Industries housed in the Industrial Estate treat and dispose the sewage, trade effluent, solid waste, hazardous waste & E-waste disposal in compliance with the respective Acts.
29. The SIPCOT shall remit consent fee in case of revision by the Government.



**TAMILNADU POLLUTION CONTROL BOARD**

Digitally signed  
by RAGUPATHI  
SANGANAN  
Date: 2022.12.29  
12:04:10 +05'30'

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai



## TAMILNADU POLLUTION CONTROL BOARD

### GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

Digitally signed by  
**RAGUPATHI SANGANAN**  
Date: 2022.12.29  
12:04:49 +05'30'  
For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai



ON I.G.S. ONLY

பிளாஸ்டிக் மாசில்லா தமிழகத்தை உருவாக்குவோம் !



To

The Managing Director,

MAMCOT INDUSTRIAL PARK AT MAMBAKKAM,

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD (SIPCOT),

19-A RUKMANI LAKSHMIPATHY ROAD,

EGMORE, CHENNAI.

Pin - 60008



### Tamil Nadu Pollution Control Board

No.76, Mount Salai, Guindy, Chennai - 600 032.

Telephone : 22353134 to 141

Telegram : 'CONPOL' Fax : 044 - 22353068

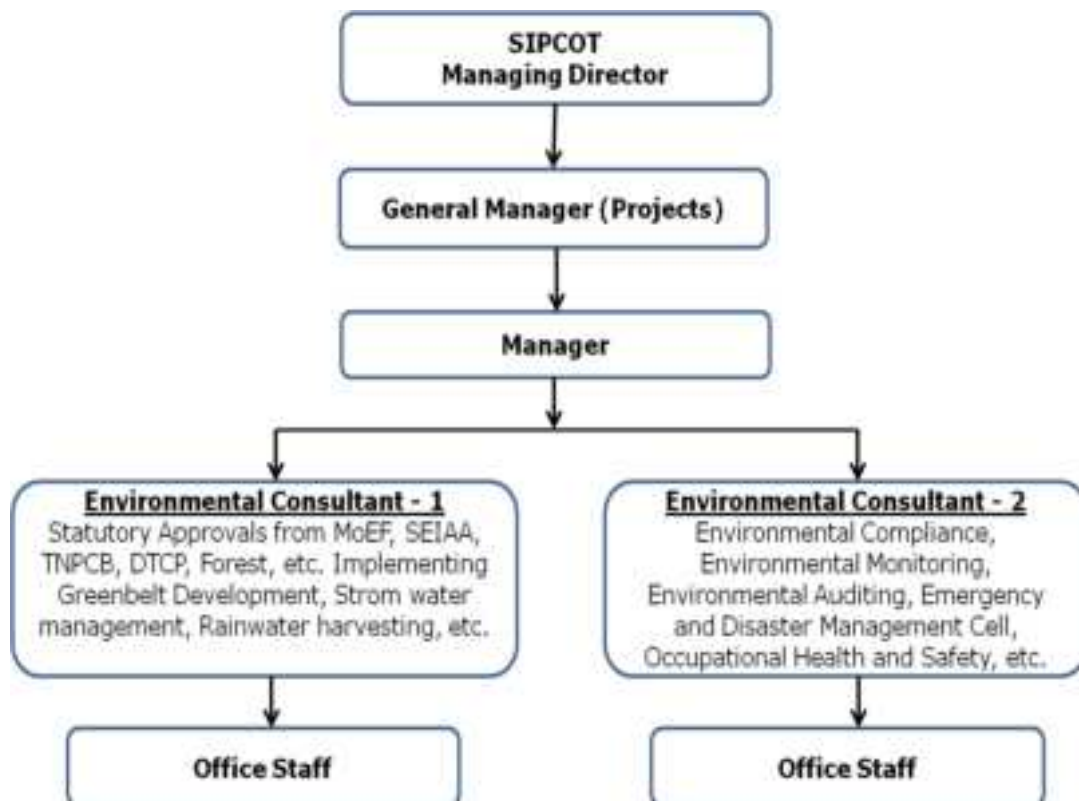
E-mail : tnpqb-chn@gov.in

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## **ENVIRONMENTAL MANAGEMENT CELL**

### **1. INTRODUCTION:**

- 1.1. For effective implementation and monitoring of environmental management system, it is necessary to have a permanent organizational set-up as Environmental Management Cell (EMC). This is done by assigning responsibility to the concerned personnel for implementation of environmental control measures.
- 1.2. SIPCOT Environmental Management Cell consist of 7 team members headed by SIPCOT Managing Director, General Manager (Projects), Manager and two Environmental Consultants assisted by two Office Staffs which will enforce and implement the Environmental Plan.
- 1.3. The Organization of Environmental Management Cell (EMC) proposed is given in **Figure - 1**.



**Figure - 1 Organogram for Environmental Management Cell**

## **2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:**

- 2.1. Environmental Management Cell (EMC) shall obtain all applicable statutory clearances and approvals as mandated by the regulatory authorities and maintain the Industrial Parks in compliance with all applicable rules and regulations.
- 2.2. Other responsibilities of the cell will include:
  - a) Review the progress of regulatory compliance of SIPCOT and initiate necessary action for the compliance of the same.
  - b) The EMC will review, implement, update, and comply with the Environment Policy to ensure the effective implementation of environmental safeguard measures.
  - c) Keeping the Board updated on regular basis about the activities carried out under environmental measures and suggests measures to improve environment preservation and protection.
  - d) Encourages allottee units to implement, adopt and use of green and sustainable technologies such as Solar, Wind, Thermal, Biomass, Electric & Hybrid vehicles, etc. to achieve more resource-efficient, clean and resilient growth towards reducing pollution during their process, manufacturing and transportation of goods and encourages energy recovery for self sustainability from their Industrial process.
  - e) Mandate industries to reduce the use of one time use plastics, Styrofoam, and other plastic material during the packing and delivery of goods.

**Table – 1: Roles and responsibilities of EMC**

<b>S.No.</b>	<b>Designation</b>	<b>Responsibilities</b>
1	Managing Director	<ul style="list-style-type: none"> <li>➤ Responsible for overall environmental management.</li> <li>➤ Regularly conduct meeting with EMC and take feedback regarding all the activities performed under Environmental Management and give directions to succeeding component.</li> <li>➤ Approval of funds for carrying out environmental management activities.</li> </ul>
2	GM – Projects	<ul style="list-style-type: none"> <li>➤ Keep aware about all the activities performed under EMC in the industrial parks.</li> <li>➤ Issuing direction to Project officers for implementing Greenbelt development, Storm water management, rain water harvesting, etc.</li> <li>➤ To deal with legal entity pertaining to environmental issues.</li> </ul>
3	Manager	<ul style="list-style-type: none"> <li>➤ To prepare and allocate budget for Environment Management Plan.</li> <li>➤ Ensuring compliance to the conditions prescribed by statutory authority.</li> <li>➤ Mandating member industries to comply with the conditions stipulated in the statutory approvals and non-compliance if any shall be reported to GM and immediately required action will be taken.</li> </ul>
4	Environmental Consultants (Two)	<ul style="list-style-type: none"> <li>➤ Obtaining Statutory Approvals from MoEF&amp;CC / SEIAA / TNPCB, etc.</li> <li>➤ Addressing the various queries received from statutory authorities on environmental front.</li> <li>➤ Submitting Environmental compliance report and coordinating with project officers for Environmental monitoring, audit, etc.</li> <li>➤ Compliance with the environmental laws and implications which dynamically changes from time to time due to the emerging challenges.</li> </ul>



# Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.  
Ph: 42985555 / 43635555 Fax : 42985500  
E-mail : labsales@hecs.in



## Laboratory Services Division

(Chemical & Biological Testing)  
Recognized by CPCB (MoEF & CC)  
BIS FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.



### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Area

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

U/LR : TC1231025000016289F

Report No : HECS/AP/073/170325

Sample ID No : 170325254

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	µg/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene	ng/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammونيا as NH3	µg/m <sup>3</sup>	6.83	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m <sup>3</sup>	21.01	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m <sup>3</sup>	15.10	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m <sup>3</sup>	75.32	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m <sup>3</sup>	32.35	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m <sup>3</sup>	12.50	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>- Milligrams per cubic meter, ng/m<sup>3</sup>- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

\*\*\*End of Report\*\*\*

D.Anusuya

Lab Manager

Authorized Signatory



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT  
Address of the Client : Mambakkam  
Group : Atmospheric Pollution  
Sample Name : Ambient Air  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : Project Area  
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No : HECS/AI/073/170325/N  
Sample ID No : 170325254  
Sampling Date : 16/03/2025  
Received Date : 17/03/2025  
Commenced Date : 17/03/2025  
Completed On : 04/04/2025  
Report Date : 04/04/2025  
Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No. 01 Issue Date: 02/07/2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

\*\*\*End of Report\*\*\*



D. Anusuya  
Lab Manager  
Authorized Signatory

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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Anakaputhur

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016290F

Report No. : HECS/AP/074/170325

Sample ID No : 170325255

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	ug/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benz (a) pyrene	ug/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Amonia as NH3	ug/m <sup>3</sup>	7.35	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	ug/m <sup>3</sup>	20.42	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	ug/m <sup>3</sup>	14.63	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	ug/m <sup>3</sup>	86.76	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	ug/m <sup>3</sup>	25.65	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	ug/m <sup>3</sup>	10.22	IS 5182 (Part 2) 2001	80 (24 bones)	50 (Annual)
12	Lead	ug/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ug/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>- Milligrams per cubic meter, ng/m<sup>3</sup>- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

\*\*\*End of Report\*\*\*

D.Anusuya  
Lab Manager  
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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT  
Address of the Client : Mambakkam  
Group : Atmospheric Pollution  
Sample Name : Ambient Air(All)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : Anakapothur  
Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No : HECS/AP/074/170325/N  
Sample ID No : 170325255  
Sampling Date : 16/03/2025  
Received Date : 17/03/2025  
Commenced Date : 17/03/2025  
Completed On : 04/04/2025  
Report Date : 04/04/2025  
Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No-01 Issue Date:02.07.2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

\*\*\*End of Report\*\*\*

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Santhavallore

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 56.0

Sampling Method &amp; Plan : IS 5182 Part 5 &amp; Part 14

ULR : TC1231025000016291F

Report No. : HECS/AP/075/170325

Sample ID No : 170325256

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	µg/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzene (a) pyrene	ng/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m <sup>3</sup>	BLQ(LOQ: 5)	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BLQ(LOQ: 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m <sup>3</sup>	13.42	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m <sup>3</sup>	BLQ(LOQ: 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m <sup>3</sup>	89.95	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m <sup>3</sup>	30.49	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m <sup>3</sup>	9.35	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>- Milligrams per cubic meter, ng/m<sup>3</sup>- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

\*\*\*End of Report\*\*\*

D.Anusuya  
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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT  
Address of the Client : Mambakkam  
Group : Atmospheric Pollution  
Sample Name : Ambient Air  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : Santhavellur  
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/075/170325/N  
Sample ID No : 170325256  
Sampling Date : 16/03/2025  
Received Date : 17/03/2025  
Commenced Date : 17/03/2025  
Completed On : 04/04/2025  
Report Date : 04/04/2025  
Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No. 01 Issue Date:02/07/2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

\*\*\*End of Report\*\*\*



D. Anusuya  
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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

U/LR : TC1231025000016292F

Report No. : HECS/AP/076/170325

Sample ID No : 170325257

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	µg/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene	ng/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	8.82	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BLQ(LOQ:0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO <sub>2</sub>	µg/m <sup>3</sup>	17.07	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	16.08	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m <sup>3</sup>	97.77	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m <sup>3</sup>	34.42	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	12.83	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>- Milligrams per cubic meter, ng/m<sup>3</sup>- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

\*\*\*End of Report\*\*\*

D.Anusuya  
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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT  
Address of the Client : Manbakkam  
Group : Atmospheric Pollution  
Sample Name : Ambient Air  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : Vallakottai  
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No : HECS/AP/076/170325/N  
Sample ID No : 170325257  
Sampling Date : 16/03/2025  
Received Date : 17/03/2025  
Commenced Date : 17/03/2025  
Completed On : 04/04/2025  
Report Date : 04/04/2025  
Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.01 Issue Date:02.07.2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

\*\*\*End of Report\*\*\*



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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 55.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231025000016293F

Report No : HECS/APP/077/170325

Sample ID No : 170325258

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene	µg/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benz (a) pyrene	ng/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m <sup>3</sup>	10.03	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxide as NO2	µg/m <sup>3</sup>	18.97	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m <sup>3</sup>	19.15	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m <sup>3</sup>	81.39	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m <sup>3</sup>	35.22	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m <sup>3</sup>	14.74	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>- Milligrams per cubic meter, ng/m<sup>3</sup>- Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

\*\*\*End of Report\*\*\*

D.Anusuya  
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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : IS 5182 Part 5 &amp; Part 14

Report No : HECS/AP/077/170325/N

Sample ID No : 170325258

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample Qty : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.01 Issue Date:02.07.2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

\*\*\*End of Report\*\*\*

D.Anusuya

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### TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Vallakottai

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016873F  
Report No : HECSL/WT/060/170325  
Sample ID No : 170325260  
Sampling Date : 16/03/2025

Received Date : 17/03/2025  
Commenced Date: 17/03/2025  
Completed On : 05/04/2025  
Report Date : 05/04/2025  
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	512.4	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 :Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	104.21	IS 3025 Part 40: 1991(EDTA titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 31 : 2001	NA	NA
5	Chloride as Cl	mg/l	262.28	IS 3025 Part 32: 1988 ( Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	1698.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.43	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.054	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	29.16	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	5.71	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Odour	-	Agreeable	IS 3025 (Part 5): 2018	Agreeable	Agreeable
13	pH at 25°C	-	7.81	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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Lab Manager  
Authorized Signatory

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## Laboratory Services Division

(Chemical & Biological Testing)  
Recognized by CPCB (MoEF & CC)  
BIS FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.



### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mamhakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Vallakottai

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016873F

Report No : HECSL/WT/060/170325

Sample ID No : 170325260

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	15.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	192.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	51.87	IS 3025 Part 24 Sec 1: 2022 ( Turbidity Method/ Turbidity Method)	200	400
17	Total dissolved solids	mg/l	930.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	2.0	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	0.110	IS 3025 Part 31 Sec 1: 2022 ( Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	380.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	0.9	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
24	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
25	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5
26	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation

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Lab Manager  
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### TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Vallakottai

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016873F

Report No : HECSI/WT/060/170325

Sample ID No : 170325260

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
28	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
29	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
30	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1 : 2022	0.001	0.002
31	Anionic Surface Active agents as MHAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
32	Percent Sodium	%	50.99	HECS/WT/SOP/002: 2019	NA	NA
33	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
34	Residual Sodium Carbonate	meq/l	BLQ (LOQ: 1.0)	IS 11624: 2019	0.2	1.0
35	Ammonia as NH <sub>3</sub>	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34 Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio (SAR)	Square root of (millimole/litre)	4.3	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.6	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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### TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Vallakottai

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016873F

Report No. : HECSL/WT/060/170325

Sample ID No : 170325260

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen Demand (BOD) <sub>@ 27°C for 3 days</sub>	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Phosphate as PO <sub>4</sub>	mg/l	0.110	IS 3025 Part 31 Sec 1: 2022	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relocation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO <sub>3</sub>	mg/l	420.0	IS 3025 (Part 23): 1986	200	600

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

\*\*\*End of Report\*\*\*



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Vallakottai

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method &amp; Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/060/170325/N

Sample ID No : 170325260

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
<b>Discipline : Chemical</b>				
1	Hexavalent Chromium as Cr <sup>6+</sup>	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

\*\*\*End of Report\*\*\*



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**TEST REPORT**

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Anakaputhur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method &amp; Plan : IS 17614(Part-1):2021

ULR : TC1231025000016887F

Report No. : HECSL/WT/061/170325

Sample ID No : 170325261

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	378.2	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	144.28	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	202.9	IS 3025 Part 32: 1988 ( Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	2910.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.45	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.039	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	53.46	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	7.12	APHA 23rd edition (Method-4500 NO3B): 2017	45	No relaxation
12	Odour	-	Agreeable	IS 3025 (Part 5): 2018	Agreeable	Agreeable
13	pH at 25°C	-	7.42	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Anakaputhur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TC1231025000016887F

Report No. : HECSL/WT/061/170325

Sample ID No : 170325261

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 18509 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	24.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	254.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	366.34	IS 3025 Part 24 Sec 1: 2022 ( Turbidity Method) ( Turbidity Method)	200	400
17	Total dissolved solids	mg/l	1666.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 ( Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	580.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
24	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
25	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5
26	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation



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### TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Anakaputhur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

UIJR : TC1231025000016887F

Report No : HECSI/WT/061/170325

Sample ID No : 170325261

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
28	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
29	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1	1.5
30	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 41 Sec 1 : 2022	0.001	0.002
31	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
32	Percent Sodium	%	40.09	HECS/WT/SOP/002: 2019	NA	NA
33	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
34	Residual Sodium Carbonate	meq/l	BLQ (LOQ: 1.0)	IS 11624: 2019	0.2	1.0
35	Ammonia as NH <sub>3</sub>	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34: Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio (SAR)	Square root of (millimole/litre)	3.9	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.5	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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### TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Anakaputhur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TC1231025000016887F  
Report No. : HECSL/WT/061/170325  
Sample ID No : 170325261  
Sampling Date : 16/03/2025

Received Date : 17/03/2025  
Commenced Date : 17/03/2025  
Completed On : 07/04/2025  
Report Date : 07/04/2025  
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen Demand (BOD) <sub>5</sub> @ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Phosphorus as PO <sub>4</sub>	mg/l	0.051	IS 3025 Part 34 Sec 1: 2022	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No reduction
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO <sub>3</sub>	mg/l	310.0	IS 3025 (Part 23): 1986	200	600

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

\*\*\*End of Report\*\*\*



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Anakaputhur

Environmental Condition : Temperature (°C) : 22.0 | Humidity (%) : 45.0

Sampling Method &amp; Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/061/170325/N

Sample ID No : 170325261

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

\*\*\*End of Report\*\*\*

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### TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Manibakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Kunnam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016888F

Report No. : HECSL/WT/062/170325

Sample ID No : 170325262

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	280.6	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ 0.1)	IS 3025 Part 57 -Carcunin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	68.14	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ 1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	123.72	IS 3025 Part 32: 1988 ( Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ 0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	1072.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.38	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.047	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	51.03	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	3.87	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Odour	-	Aggreable	IS 3025 (Part 5): 2018	Aggreable	Aggreable
13	pH at 25°C	-	8.03	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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Lab Manager  
Authorized Signatory



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## Laboratory Services Division

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### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Kunnam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.L.R. : TC1231025000016888F  
Report No. : HECSL/WT/062/170325  
Sample ID No : 170325262  
Sampling Date : 16/03/2025

Received Date : 17/03/2025  
Commenced Date: 17/03/2025  
Completed On : 07/04/2025  
Report Date : 07/04/2025  
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	6.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	55.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA
16	Sulphate as SO4	mg/l	85.72	IS 3025 Part 24 Sec 1: 2022 ( Turbidity Method) (Turbidity (nephelometry))	200	400
17	Total dissolved solids	mg/l	549.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 ( Stannous Chloride method)	NA	NA
20	Total hardness as CaCO3	mg/l	380.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
24	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
25	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5
26	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation



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### TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Kunnam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TC1231025000016888F  
Report No. : HECSL/WT/062/170325  
Sample ID No : 170325262  
Sampling Date : 16/03/2025

Received Date : 17/03/2025  
Commenced Date : 17/03/2025  
Completed On : 07/04/2025  
Report Date : 07/04/2025  
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
28	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
29	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	±	15
30	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
31	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
32	Percent Sodium	%	23.43	HECS/WT/SOP/002: 2019	NA	NA
33	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
34	Residual Sodium Carbonate	meq/l	BLQ (LOQ: 1.0)	IS 11624: 2019	0.2	1.0
35	Ammonia as NH <sub>3</sub>	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34: Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
36	Sodium Adsorption Ratio (SAR)	Square root of (millimole/litre)	1.2	IS 11624 : 2019	NA	NA
37	Dissolved oxygen	mg/l	6.5	IS 3025 (Part 38): 1989 (Timimetric Method)	NA	NA



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### TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Kunnam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016888F  
Report No : HEC51/WT/062/170325  
Sample ID No : 170325262  
Sampling Date : 16/03/2025

Received Date : 17/03/2025  
Commenced Date : 17/03/2025  
Completed On : 07/04/2025  
Report Date : 07/04/2025  
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Biological Oxygen Demand (BOD) <sub>5</sub> @ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
39	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
40	Phosphate as PO <sub>4</sub>	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31: Sec 1: 2022	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO <sub>3</sub>	mg/l	230.0	IS 3025 (Part 23): 1986	200	600

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

\*\*\*End of Report\*\*\*



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Near Kunnam

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method &amp; Plan : IS 17614(Part-1):2021

Report No. : HECS1/WT/062/170325/N

Sample ID No : 170325262

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 07/04/2025

Report Date : 07/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003

Note:- BLQ : Below Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre.

\*\*\*End of Report\*\*\*



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### TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pond Near Anakaputhur

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.L.R : TC1231025000016874F

Report No : HECSL/WT/063/170325

Sample ID No : 170325263

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule-VI)
<b>Discipline : Chemical</b>					
1	Total alkalinity as CaCO <sub>3</sub>	mg/l	95.0	IS 3025 Part 23: 1986	NA
2	Bicarbonate	mg/l	115.9	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD) <sub>5</sub> at 27°C For 3 days	mg/l	2.0	IS 3025 Part 44: 1993	30
4	Iron as Fe	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Carminum Method)	NA
5	Calcium as Ca	mg/l	24.05	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	NA
6	Chemical Oxygen Demand (COD)	mg/l	20.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	49.45	IS 3025 Part 32: 1988 (Argentometric Method)	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	6.1	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µS/cm	380.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.26	APHA 23rd edition Method 4500 F-B.D: 2017	2.0
12	Iron as Fe	mg/l	0.061	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO <sub>3</sub>	mg/l	4.12	APHA 23rd edition Method 4500 NO3B: 2017	NA

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### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pond Near Anakaputhur

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U/LR : TC1231025000016874F

Report No. : HECSL/WT/063/170325

Sample ID No : 170325263

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO4	mg/l	0.003	APHA 23rd edition Method 4500-P B.D. 2017	NA
17	pH at 25°C	-	7.36	IS 3025 Part 11: 2022 (Electrometric Method)	5.5 - 9.0
18	Total dissolved solids	mg/l	207.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	8.51	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	NA
22	Potassium as K	mg/l	4.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	38.0	IS 3025 Part 45: 1993	NA
24	Sulphate as SO4	mg/l	8.12	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B, C: 2017	NA

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### TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pond Near Anakaputhur

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.L.R : TC1231025000016874F

Report No : HECSL/WT/063/170325

Sample ID No : 170325263

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Potential Sodium	%	45.07	HECSG /WT/SOP/002 Issue No.01, Issue date 18.12. 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA
30	Arsenious as HCl	mg/l	0.26	IS 3025 Part 34 Sec 2: 2021	50
31	Sodium Adsorption Ratio(SAR):	Square root of (millimole/litre)	1.69	IS 11624: 2019	NA
32	Total Hardness as CaCO3	mg/l	80.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	0.03	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	2.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	0.9	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0



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### TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Manbakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pond Near Anakaputhur

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.I.R : TC1231025000016874F

Report No : HECSL/WT/063/170325

Sample ID No : 170325263

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
40	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
41	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.01
42	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.0
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5.0

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

\*\*\*End of Report\*\*\*



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Pond Near Anakaputhur

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method &amp; Plan : IS 17614(Part-1):2021

Report No : HECSL/WT/063/170325/N

Sample ID No : 170325263

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003	0.1

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

\*\*\*End of Report\*\*\*



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### TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Theinneri Lake

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

U.L.R : TC1231025000016875F

Report No : HECSL/WT/064/170325

Sample ID No : 170325264

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule-VI)
Discipline : Chemical					
1	Total alkalinity as CaCO <sub>3</sub>	mg/l	180.0	IS 3025 Part 23: 1986	NA
2	Bi carbonate	mg/l	219.6	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD)(@ 27°C For 3 days)	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	30
4	Iron as Fe	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 53: 2003 (Circumion Method)	NA
5	Calcium as Ca	mg/l	28.05	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	NA
6	Chemical Oxygen Demand (COD)	mg/l	8.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	94.02	IS 3025 Part 32: 1988 (Argentometric Method)	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	6.2	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µS/cm	841.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.39	APHA 23rd edition Method 4500 F-B.D: 2017	2.0
12	Iron as Fe	mg/l	0.053	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO <sub>3</sub>	mg/l	2.34	APHA 23rd edition Method 4500 NO <sub>3</sub> B: 2017	NA

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### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Thenneri Lake

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TCT231025000016875F

Report No. : HECSL/WT/064/170325

Sample ID No : 170325264

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO4	mg/l	BLQ (LOQ: 0.01)	APHA 73rd edition Method 4500.P B.D. 2017	NA
17	pH at 25°C		7.26	IS 3025 Part 11: 2022 (Electrometric Method)	5.5 - 9.0
18	Total dissolved solids	mg/l	438.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	BLQ (LOQ: 1.0)	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ (LOQ: 0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	9.72	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	NA
22	Potassium as K	mg/l	10.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	112.0	IS 3025 Part 45: 1993	NA
24	Sulphate as SO4	mg/l	59.87	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C6H5OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43-Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 73rd edition Method 5540 B, C. 2017	NA

D. Anusuya  
Lab Manager  
Authorized Signatory





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**Laboratory Services Division**

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**TEST REPORT**

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Thenneri Lake

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method &amp; Plan : IS 17614(Part-1):2021

ULR : TC1231025000016875F  
Report No : HECSL/WT/064/170325  
Sample ID No : 170325264  
Sampling Date : 16/03/2025

Received Date : 17/03/2025  
Commenced Date: 17/03/2025  
Completed On : 05/04/2025  
Report Date : 05/04/2025  
Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Percent Sodium	%	66.36	HECSG /WT/SOP/002 Issue No.01, Issue date 18.12. 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	1.39	IS 11624: 2019	NA
30	Ammonia as NH3	mg/l	0.19	IS 3025 Part 34 Sec 2: 2021	50
31	Sodium Adsorption Ratio(SAR)	Square root of (millimole /litre)	4.63	IS 11624: 2019	NA
32	Total Hardness as CaCO3	mg/l	110.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	0.033	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	2.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	0.7	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0

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### TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Manthakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Thenneri Lake

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000016875F

Report No : HECSL/WT/064/170325

Sample ID No : 170325264

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
40	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
41	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.01
42	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5.0

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

\*\*\*End of Report\*\*\*

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Thenneri Lake

Environmental Condition : Temperature (°C) : 23.0 | Humidity (%) : 46.0

Sampling Method &amp; Plan : IS 17614(Part-1):2021

Report No : HECSL/WT/064/170325/N

Sample ID No : 170325264

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule-VI)
Discipline : Chemical					
1	Hexavalent Chromium as Cr <sup>6+</sup>	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003	0.1

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/l: milligram per Litre, % - Percentage.

\*\*\*End of Report\*\*\*

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**TEST REPORT**

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Manbhakkam

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Site

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : ICARDA : 2013

U/LR : TC1231025000016837F

Report No. : HECS/PE/067/170325

Sample ID No : 170325265

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.01 Issue Date:01.03.2021
2	Chromium	mg/Kg	25.55	HECS-G/INS/SOP/042 Issue No.01 Issue Date:01.03.2021
3	Copper	mg/Kg	47.88	HECS-G/INS/SOP/ 042 Issue No.01 Issue Date:01.03.2021
4	Zinc	mg/Kg	1.51	HECS-G/INS/SOP/ 042 Issue No.01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	24.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	41.2	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	34.2	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.69	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	210.0	IS 14767: 2000
11	Bulk Density	gm/cm3	0.98	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.39	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.62	IS 2720 (Part 22) Section 1 1972

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### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Maibakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Site

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016837F

Report No : HECS/PE/067/170325

Sample ID No : 170325265

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorus as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	19.14	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No. 01 Issue Date: 02-07-2020
17	Total Nitrogen as N	%	0.0115	IS 14684 Clause 4 1999
18	Exchangeable Calcium as Ca	mEq/l	16.70	FAO of United Nations, Rome Chapter - III 2008
19	Exchangeable Magnesium as Mg	mEq/l	12.49	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	3.0	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	18.4	IS 14765: 2000
22	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No. 01 Issue Date: 02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage..

\*\*\*End of Report\*\*\*



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Project Site

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : ICARDA : 2013

Report No : HECS/PE/067/170325/N

Sample ID No : 170325265

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date: 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.58	HECS-G/ENV/SSW/SOP/003 Issue No.01 Issue Date:02-07-2020
2	Manganese	mg/kg	150.68	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	3.38	Inhouse method
4	Infiltration Rate	-	0.0	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*



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### TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Maunhakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Anakaputhur

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016838F

Report No. : HECS/PE/068/170325

Sample ID No : 170325266

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
2	Chromium	mg/Kg	32.83	HECS-G/INS/SOP/042 Issue No. 01 Issue Date: 01.03.2021
3	Copper	mg/Kg	43.17	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
4	Zinc	mg/kg	4.20	HECS-G/INS/SOP/ 042 Issue No. 01 Issue Date: 01.03.2021
5	Soil Texture	-	Clay	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	17.8	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	26.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	55.8	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.91	IS 2720 (Part - 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	670.0	IS 14767- 2000
11	Bulk Density	gm/cm <sup>3</sup>	0.99	FAO of United Nations Rome - 2007
12	Organic Carbon	%	0.36	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.62	IS 2720 (Part 22) Section 1 1972

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### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Annapuram

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016838F

Report No. : HECS/PE/068/170325

Sample ID No : 170325266

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	12.74	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No. 01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0105	IS 14684 Clause 4 1999
18	Exchangeable Calcium as Ca	mEq/L	7.95	FAO of United Nations, Rome Chapter - III 2008
19	Exchangeable Magnesium as Mg	mEq/L	15.90	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.3	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	19.5	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No. 01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage..

\*\*\*End of Report\*\*\*



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Manbhakkam

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Anakaputhur

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : ICARDA : 2013

Report No : HECS/PE/068/170325/N

Sample ID No : 170325266

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	13.58	HECS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date: 02-07-2020
2	Manganese	mg/kg	116.10	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	7.25	Inhouse method
4	Infiltration Rate		0.6	Inhouse method

Note:- mg/kg; milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*



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### TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Santhavellore

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

U.L.R. : TC1231025000016839F

Report No. : HECS/PE/069/170325

Sample ID No : 170325267

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium	mg/Kg	8.29	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	53.78	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	8.34	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	21.5	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	45.8	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	32.7	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.91	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	328.0	IS 14767: 2000
11	Bulk Density	gm/cm3	0.98	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.27	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.47	IS 2720 (Part 22) Section I 1972

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### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Santhavellore

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016839F

Report No : HECS/PE/069/170325

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Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	14.35	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0104	IS 14604 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	15.97	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	3.99	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.1	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	19.2	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, ng/kg: milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*



D. Anusuya  
Lab Manager  
Authorized Signatory

**Hubert Enviro Care Systems (P) Ltd.**A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

**Laboratory Services Division**

(Chemical &amp; Biological Testing)

Recognized by CPCB (MoEF &amp; CC)

BIS, FSSAI Notified Laboratory

ISO 9001, 14001 &amp; 45001 Certified.

**TEST REPORT**

Page : 1 of 1

Report No. : HECS/PE/069/170325/N  
 Sample ID No : 170325267  
 Sampling Date : 16/03/2025

Name of the Client : M/s. SIPCOT  
 Address of the Client : Mambakkam

Group : Pollution & Environment  
 Sample Name : Soil  
 Sample Mark : NA  
 Sample Reference : NA  
 Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
 Sample Location : Santhavellore  
 Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 54.0  
 Sampling Method & Plan : ICARDA : 2013

Received Date : 17/03/2025  
 Commenced Date : 17/03/2025  
 Completed On : 05/04/2025  
 Report Date : 05/04/2025  
 Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	3.87	HECS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date: 02-07-2020
2	Manganese	mg/kg	193.57	HECS-G/ENV/SOP/ 042
3	Iron	mg/kg	7.21	Inhouse method
4	Infiltration Rate	-	1.4	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*



D. Anusuya  
 Lab Manager  
 Authorized Signatory



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### TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016840F

Report No : HECS/PE/070/170325

Sample ID No : 170325268

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
<b>Discipline : Chemical</b>				
1	Cadmium	mg/kg	1.05	HECS-G/INS/SOP/ 042 Issue No:01 Issue Date:01.03.2021
2	Chromium	mg/kg	10.66	HECS-G/INS/SOP/042 Issue No:01 Issue Date:01.03.2021
3	Copper	mg/kg	10.76	HECS-G/INS/SOP/ 042 Issue No:01 Issue Date:01.03.2021
4	Zinc	mg/kg	9.36	HECS-G/INS/SOP/ 042 Issue No:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	24.3	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	40.2	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	35.5	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.89	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	218.0	IS 14767: 2000
11	Bulk Density	gm/cm <sup>3</sup>	0.98	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.34	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.60	IS 2720 (Part 22) Section I 1972



D. Anusya  
Lab Manager  
Authorized Signatory



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## Laboratory Services Division

(Chemical & Biological Testing)  
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BIS FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.



### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016840V

Report No. : HECS/PE/070/170325

Sample ID No : 170325268

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorus as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	18.85	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0119	IS 14004 Clause 4 1999
18	Exchangeable Calcium as Ca	mEq/L	15.96	FAO of United Nations, Rome Chapter - III 2008
19	Exchangeable Magnesium as Mg	mEq/L	11.97	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.8	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	18.2	IS 14765: 2000
22	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*

D.Anusaya

Lab Manager

Authorized Signatory



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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Vallakottai

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 54.0

Sampling Method &amp; Plan : ICARDA : 2013

Report No : HECS/PE/070/170325/N

Sample ID No : 170325268

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.41	HECS-G/ENV/SSW/SOP/003 Issue No.01 Issue Date:02-07-2020
2	Manganese	mg/kg	123.79	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	3.09	Inhouse method
4	Infiltration Rate	-	0.8	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*

D.Anusuya  
Lab Manager  
Authorized Signatory

# Hubert Enviro Care Systems (P) Ltd.

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### TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016841F

Report No. : HECS/PE/071/170325

Sample ID No : 170325269

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
<b>Discipline : Chemical</b>				
1	Cadmium	mg/kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.01 Issue Date:01.03.2021
2	Chromium	mg/kg	20.45	HECS-G/INS/SOP/042 Issue No.01 Issue Date:01.03.2021
3	Copper	mg/kg	23.26	HECS-G/INS/SOP/ 042 Issue No.01 Issue Date:01.03.2021
4	Zinc	mg/kg	31.10	HECS-G/INS/SOP/ 042 Issue No.01 Issue Date:01.03.2021
5	Soil Texture	-	Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	35.0	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	46.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	18.6	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.74	IS 2720 (Part -26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	pS/cm	98.5	IS 14767: 2000
11	Bulk Density	gm/cm <sup>3</sup>	1.00	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.23	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.39	IS 2720 (Part 22) Section I 1972



D.Amulya

Lab Manager

Authorized Signatory



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## Laboratory Services Division

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ISO 9001, 14001 & 45001 Certified.



### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnur

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0

Sampling Method & Plan : ICARDA : 2013

ULR : TC1231025000016841F

Report No : HECS/PE/071/170325

Sample ID No : 170325269

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	15.54	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0107	IS 14684 Clause 4 1999
18	Exchangeable Calcium as Ca	mEq/L	11.81	FAO of United Nations, Rome Chapter - III 2008
19	Exchangeable Magnesium as Mg	mEq/L	3.93	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	1.3	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	30.2	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020

Note:- BLQ : Below the Limit of Quantification, LOQ: Limit of Quantification, mg/kg: milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*



D. Anusuya  
Lab Manager  
Authorized Signatory



**Hubert Enviro Care Systems (P) Ltd.**A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

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**Laboratory Services Division**

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ISO 9001, 14001 &amp; 45001 Certified.

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam.

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : Kunnam

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 54.0

Sampling Method &amp; Plan : ICARDA : 2013

Report No : HECS/PE/071/170325/N

Sample ID No : 170325269

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 05/04/2025

Report Date : 05/04/2025

Sample Qty : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	5.23	HECS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date: 02-07-2020
2	Manganese	mg/kg	102.33	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	8.59	Inhouse method
4	Infiltration Rate		0.5	Inhouse method

Note:- mg/kg: milligram per kilogram, % - Percentage.

\*\*\*End of Report\*\*\*



D. Anusuya

Lab Manager

Authorized Signatory

# Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.  
Ph: 42985555 / 43635555 Fax : 42985500  
E-mail : labsales@hecs.in



## Laboratory Services Division

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BIS FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.



### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Noise Levels (Excluding vibration)

Sample Mark : Ambient Noise

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 29.0 | Humidity (%) : 55.0

Sampling Method & Plan : IS 9989:1981

ULR : TC1231025000016294F

Report No : HECS/AP/078/170325

Sample ID No : 170325259

Sampling Date : 16/03/2025

Received Date : 17/03/2025

Commenced Date : 17/03/2025

Completed On : 04/04/2025

Report Date : 04/04/2025

Sample Qty : NA

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	50.7	43.2
2	Anakapothur	54.0	40.9
3	Santhavellore	48.6	42.5
4	Vallakumar	51.9	43.8
5	Komman	49.0	43.0

#### Noise Standards - CPCB:

i. Industrial Area	: Day Time-75 dB (A);	Night Time-70 dB (A).
ii. Commercial Area	: Day Time-65 dB (A);	Night Time-55 dB (A).
iii. Residential Area	: Day Time-55 dB (A);	Night Time-45 dB (A).
iv. Silence Zone	: Day Time-50 dB (A);	Night Time-40 dB (A).

**Note:** 1. Day Time shall mean from 6.00 am to 10.00 pm.

2. Night Time shall mean from 10.00 pm to 6.00 am.

\*\*\*End of Report\*\*\*

D. Ananya  
Lab Manager  
Authorized Signatory





காஞ்சிபுரம் மண்டலத்தில், கூட்டுறவு சங்கங்களின் பதிவாளர் கட்டுப்பாட்டில் செயல்படும் காஞ்சிபுரம் மத்திய கூட்டுறவு வங்கியில் காலியாக உள்ள 39 அலுவலக உதவியாளர்கள் மற்றும் 5 ஒட்டுநர் பணியிடங்கள் மற்றும் இதர கூட்டுறவு நிறுவனங்களில்



**Advertisement for the Post of  
Young Professionals (Law) in the  
Salt Commissioner's Organization,  
Department for Promotion of Industry and Internal Trade,  
Ministry of Commerce & Industry**

Application from Law Graduates, below the 35 years of age are invited for 12 Posts of Young Professional (Law) to be posted at the following places:-

1. Jaipur - 4
2. Mumbai - 4
3. Chennai - 4

Interested advertisement can be seen on website [www.saltcomindia.gov.in](http://www.saltcomindia.gov.in) and <https://dpiit.gov.in>

The last date for submission of application to the office of Salt Commissioner, 2-A, Lavan Bhawan, Lavan Marg, Jhalana Doongri, Jaipur-302004, E-Mail ([lavan-rj@nic.in](mailto:lavan-rj@nic.in)) is 16.08.2022

CBC 05208/12/0001/2223



**STATE INDUSTRIES PROMOTION  
CORPORATION OF TAMIL NADU LIMITED**  
19-A, RUKMANI LAKSHMI PATHY ROAD, EGMORE,  
CHENNAI-600 008. CIN U74999TN197190C009967

Date: 27.07.2022

**SIPCOT INDUSTRIAL PARK  
ENVIRONMENTAL CLEARANCE**

Environmental Clearance has been obtained for the proposed development of SIPCOT Industrial Park at Mambakkam Village of Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu from the State Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide **Letter No. SEIAA-TN/F.No.7652/EC/0(a)/852/2022 dated: 01.07.2022.**

The Environmental Clearance (EC) letter can be downloaded from the SIPCOT website [www.sipcot.tn.gov.in](http://www.sipcot.tn.gov.in). The Clearance Letter is available with the State Pollution Control Board and also in the website of the SEIAA, TN. Further, copy of the EC shall be obtained from the Head Office / Project Office of SIPCOT.

DIPN/ST/4/Display/2022

MANAGING DIRECTOR

*(Signature)*

QuoteExpress

**YOU CAN'T WAIT FOR INSPIRATION.  
YOU HAVE TO GO AFTER IT WITH A CLUB**

**ENROLMENT NOTICE**

After ten days of the publication of this notice and within Three Months thereafter, I, Deepesh Katariya S/o. Chandrasekhar Katariya Aged 22 Years Permanently residing at 587/658 T.H. Road, Old Washermenpet Chennai-600021 intend having enrolment as an advocate ad before the Bar Council of Tamil Nadu, Bar Council Buildings High Court Campus, Chennai-104.

Those who have any valid objections may notify the same to the Bar Council within 10 days.

DEEPESH KATARIYA

**EASTERN RAILWAY**

Tender Notice No. : EOT/2022-25/Spl. Work, dttd. 28.07.2022. (Interested are invited by the Assistant Town Engineer, Eastern Railway, Jamalpur for the following work : Name of the work : Jamalpur - Improvement of infrastructure of wagon cutting yard at Chibighat including construction of road for entry and exit of scrap loaded trolly. Advertised Tender value : Rs. 5,43,54,321.00. Earnest Money : Rs. 4,21,800/- Date of opening : 11.08.2022. Completion period for the work : 18 months. (MISC-126/2022-23). Tender Notice is also available at Website [www.eir.tenders.gov.in](http://www.eir.tenders.gov.in) / [www.erps.gov.in](http://www.erps.gov.in)

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**DON'T WATCH  
THE CLOCK; DO**

**Idea Generator  
& Trend Mapper  
Social/Digital Media  
Strategic Planners  
invited**



**TENDER FOR SELECTION OF A SOCIAL MEDIA &  
DIGITAL AGENCY FOR UTTAR PRADESH TOURISM**

Bid Reference: SOCIAL MEDIA/2022

Dated: 27.07.2022

Directorate of Tourism (DoT), Government of Uttar Pradesh to promote tourism in the state. Therefore, DoT invites proposals from social media & digital firm for carrying out digital media activities.

Interested parties may download bid document from <http://etender.up.nic.in> and submit their proposals with requisite documents before 10/08/2022. The submitted proposals will be open at 10.08.2022 at DoT Office, Paryatan Bhawan, 4th Floor, C-13, Vipin Khand, Gomti Nagar, Lucknow-226010 Uttar Pradesh, India.

DoT reserves the right to reject any or all the proposals without assigning any reason thereof. For any queries please respond on e-mail:

[dg-upta@up.gov.in](mailto:dg-upta@up.gov.in)

All subsequent notifications, changes and amendments will be posted only on the website

<http://etender.up.nic.in>

DoT reserves the right to cancel this invitation and / or invite fresh Bid with or without amendments to this invitation, without liability or any obligation for such invitation and without assigning any reason.

Uttar Pradesh

**DIRECTORATE OF TOURISM**  
Government of Uttar Pradesh





# SIPCOT

Projects-I/Mambakkam/EC/Ad-Forward01/2022

Date: 08.08.2022

The Director  
Ministry of Environment, Forests and Climate Change,  
Integrated Regional Office, 1<sup>st</sup> Floor,  
Additional Office Block for GPOA, Shastri Bhavan,  
Haddows Road, Nungambakkam,  
Chennai - 600 006.

/RPAD/

Sir,

Sub: SIPCOT - Development of Industrial Park at Mambakkam Village of Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu - Environmental Clearance (EC) granted by SEIAA - Advertisement Released in the Daily Newspapers - Copy of the Advertisement forwarded - Reg.

Ref: EC Letter No. SEIAA-TN/F.No.7652/EC/8(a)/852/2022 dated 01.07.2022

\*\*\*\*\*

With reference to the above, we have obtained Environmental Clearance (EC) from the State Environment Impact Assessment Authority (SEIAA), TN for the proposed development of SIPCOT Industrial Park at Mambakkam Village of Sriperumbudur Taluk, Kancheepuram District. In compliance to the condition stipulated in the EC, advertisement is released in the English Daily 'The New Indian Express' of the Chennai edition dated 28.07.2022 and in the Tamil Daily 'Dinathanthi' of the Chennai edition dated 28.07.2022, publishing information of 'Grant of EC' by the SEIAA.

The Newspaper Advertisement copies are enclosed for your kind perusal.



Yours faithfully,

Sd/--

MANAGING DIRECTOR

//Forwarded by Order//

GENERAL MANAGER (P-I)

Encl.: as above

**State Industries Promotion Corporation of Tamil Nadu Limited**

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.

Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in



## SIPCOT

Projects-I/Mambakkam/EC/Ad-Forward02/2022

Date: 08.08.2022

The Member Secretary,  
State Level Environmental Impact Assessment Authority,  
3rd Floor, Panagal Maligai,  
No.1. Jeenis Road,  
Saidapet, Chennai - 600 015.

/RPAD/

Sir,

Sub: SIPCOT - Development of Industrial Park at Mambakkam Village of Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu - Environmental Clearance (EC) granted by SEIAA - Advertisement Released in the Daily Newspapers - Copy of the Advertisement forwarded - Reg.

Ref: EC Letter No. SEIAA-TN/F.No.7652/EC/8(a)/852/2022 dated 01.07.2022

\*\*\*\*\*

With reference to the above, we have obtained Environmental Clearance (EC) from the State Environment Impact Assessment Authority (SEIAA), TN for the proposed development of SIPCOT Industrial Park at Mambakkam Village of Sriperumbudur Taluk, Kancheepuram District. In compliance to the condition stipulated in the EC, advertisement is released in the English Daily 'The New Indian Express' of the Chennai edition dated 28.07.2022 and in the Tamil Daily 'Dinathanthi' of the Chennai edition dated 28.07.2022, publishing information of 'Grant of EC' by the SEIAA.

The Newspaper Advertisement copies are enclosed for your kind perusal.



//Forwarded by Order//

Yours faithfully,

Sd/--

MANAGING DIRECTOR

GENERAL MANAGER (P-I)

Encl.: as above

**State Industries Promotion Corporation of Tamil Nadu Limited**

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.

Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in

आ. पी. - 54

R. P. 54

प्रेषक का नाम  
को नाम मीहर  
Name stamp of  
office of posting

218122

भारतीय डाक विभाग

DEPARTMENT OF POSTS, INDIA



कारपेस-मीहर

Date-Stamp

22 AUG 2022

भेजने वाले  
का पता  
Sender's  
Address

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD.

(A Govt. of TamilNadu Undertaking) P.B. No. 7223

19-A, RUKMANI LAKSHMIPATHY ROAD, EGMORE, CHENNAI.

पिन/PIN

6	0	0	0	0	8
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MGPCBE

684

प्रोजेक्ट स्वीकृति (रसीद) ACKNOWLEDGEMENT

एक रजिस्ट्री पत्र / पोस्टकार्ड / पैकेट / पार्सल प्राप्त हुआ - द 01/2022

Received a Registered Letter / Postcard / packet / Parcel  
Insured

पाने वाले का नाम  
Addressed to (Name)

The Director  
Ministry of Environment  
- Forests and Climate Change.

बीमा का मूल्य (रुपयों में)  
Insured for Rupees

वितरण की तारीख / Date of delivery ..... 20

अनावश्यक को काट दिया जाए।  
Score out the matter not required.

केवल बीमा वस्तुओं के लिए।  
For Insured articles only.



पाने वाले के हस्ताक्षर / Signature of addressee



भार. पो. - 54

R.P. 54

218122

भारतीय डाक विभाग

DEPARTMENT OF POSTS, INDIA



प्रेषक का नाम  
और नाम मोहर  
Name stamp of  
office of posting

18 AUG 2022

मोहर-नाम



Date Stamp

CHENNAI - 600 008

भेजने वाले  
का पता  
Sender's  
Address

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD.

(A Govt. of Tamil Nadu Undertaking) P.B. No. 7223

19-A, RUKMANI LAKSHMIPATHY ROAD, EGMORE, CHENNAI.

पिन/PIN

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MGPCBE

165

प्र. 11 स्विकृति (इसीद) ACKNOWLEDGEMENT

projects - 1 / Mambakkam / EC / Ad-

Forward 02 / 2022

एक रजिस्ट्री बीमा पत्र / पोस्टकार्ड / पैकेट / पार्सल प्राप्त हुआ

Received a Registered Letter / Postcard / packet / Parcel  
Insured

पाने वाले का नाम  
Addressed to (Name)

}

The Member Secretary  
Saidapet  
Ch-15

बीमा का मूल्य (रुपयों में)  
Insured for Rupees

वितरण की तारीख / Date of delivery ..... 20

अनावश्यक को काट दिया जाए।  
Score out the matter not required.

केवल बीमा वस्तुओं के लिए।  
For Insured articles only.



13 AUG 2022

ku

पाने वाले के हस्ताक्षर / Signature of addressee

Home	About Us	Why SIPCOT ?	Land Information	Special Projects	Industrial Parks	Resources	Tenders	Logins	Contact Us
27	Tindivanam				Virudhachur	<a href="#">Download</a>			
28	Manallur				Thiruvallur	<a href="#">Download</a>			
29	Thoothukudi - II				Thoothukudi	<a href="#">Download</a>			
30	Nemili				Kancheepuram	<a href="#">Download</a>			
31	Marudhandapalli (Hosur Phase-IV)				Krishnagiri	<a href="#">Download</a>			
32	Mambakkam				Kancheepuram	<a href="#">Download</a>			
33	Theni				Theni	<a href="#">Download</a>			
34	Virudhunagar				Virudhunagar	<a href="#">Download</a>			
35	Nedumpuli				Ranipet	<a href="#">Download</a>			
36	A. Sathanur				Kallakurichi	<a href="#">Download</a>			

Annexure - 7

ENQUIRE NOW

**SIPCOT**

Projects-I/EIA/Mambakkam/EC/2022

Date: 12.07.2022

The Member Secretary,  
State Level Environment Impact Assessment Authority,  
3rd Floor, Panagal Maligal,  
No.1, Jeenils Road, Saidapet  
Chennai - 600015,

Sir,

Sub: SIPCOT- "Development of Industrial Park at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu" - Submission of EMP & CER details as per Minutes of the 282<sup>nd</sup> SEAC meeting - Reg.

- Ref: 1. ToR Issued for the project vide SEIAA-TN/F.No 7652/SEAC/8(b)/ToR-766/2020 dated 23.09.2020  
2. Online uploading of EIA Report vide Proposal No. SIA/TN/MIS/67813/2020 dated 23.09.2021  
3. EIA report hard copy submission at SEIAA on 24.09.2021.  
4. Minutes of 242<sup>nd</sup> SEAC Meeting held on 03.02.2022  
5. Minutes of 485<sup>th</sup> SEIAA Meeting held on 15.02.2022  
6. Minutes of 282<sup>nd</sup> SEAC Meeting Held on 04.06.2022

\*\*\*\*\*

With reference to the above, we submit herewith details of EMP & revised CER activities as per the Minutes of 282<sup>nd</sup> SEAC Meeting:

S.No	Query	Reply			
1	As per the MoEF&CC Office Memorandum F.No. 22-65/2017 IA.III dated 30/09/2020 and 20/10/2020, the Project proponent shall furnish the detailed EMP and revised CER before placing the subject to SEIAA	Detailed Capital cost for EMP proposed is Rs.854 Lakhs. The EMP cost details are given below:			
		Sl.No	Project Components	Tentative Capital Cost (Rs. in lakhs)	Tentative Recurring Cost /year (Rs in Lakhs)
		1	Storm Water drains	395.00	2.5
		2	Solar Street Lights	40.00	1.0
		3	Green Belt Development	65.00	3.0
		4	Rain Water Harvesting	35.00	1.0
		5	Solid Waste Management	25.00	2.0
		6	Medical Dispensary	25.00	7.5

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# SIPCOT

12/

S.No	Query	Reply			
		7	E waste shed	269.00	2.5
		8	Environmental Monitoring	0	0.7
			<b>Total EMP Cost</b>	<b>854.00</b>	<b>20.2</b>
2	As accepted by PP, the revised CER cost of Rs.5 Crores shall be spent with activities, particularly creation of Environment website and creation of environmental centre in school, revamping school building/ construction/ maintenance of school building, construction of Girls toilet with 24/7 water facility, providing sanitary napkin along with incinerator for the disposal (if applicable), tree plantation in consultation with concern Government School HM, located in Mambakkam village, before obtaining CTO from TNPCB.	We commit to spend Rs.5 Crores towards CER activities before obtaining CTO from TNPCB. The following CER activities will be undertaken through the Line Department / District Administration concerned: <ul style="list-style-type: none"><li>• Creation of Environment website and creation of Environmental centre in school,</li><li>• Revamping school building/ construction/ maintenance of school building,</li><li>• Construction of Girls toilet with 24/7 water facility,</li><li>• Providing sanitary napkin along with incinerator for the disposal (if applicable),</li><li>• Tree plantation in consultation with respective Government School HM, located in Mambakkam village and other such CER activities.</li></ul>			

We request you to kindly consider the above reply and issue Environmental Clearance at the earliest.

Thanking You.

Yours faithfully,  
Sd/--

MANAGING DIRECTOR

//Forwarded by Order//

GENERAL MANAGER (P-1)

Copy to:

1. Projects-I Department
2. Finance Department
3. Civil Department



**State Industries Promotion Corporation of Tamil Nadu Limited**

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CHIEF ENGINEER (O&amp;M-II)



# CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD



Lr.No:CMWSSB/C.E(O&M-II)/S.E(WWT&R)/45 TTRO-KOY / SIPCOT / 2020-21 Dated:10.04.2020

To  
The Managing Director,  
SIPCOT,  
19-A, Rukmani Lakshmi Pathi Road,  
Egmore,  
Chennai - 600 008.

**Sub:** CMWSSB – C.E(O&M-II) – S.E(WWT&R) – “Design, Build and Operate for 15 years (DBO) a 45 MLD capacity Tertiary Treatment Reverse Osmosis (TTRO) Plant at Koyambedu including supply, laying and maintenance of M.S. transmission main for conveying product water to various SIPCOT industries situated at Irungattukottai, Sriperumbudur and Oragadam” – Works Completed in all aspects – Inaugurated and Commissioned by the Hon’ble Chief Minister of Tamilnadu on 29.11.2019 – Supply of TTRO water to the M/s SIPCOT Industries located at Irungattukottai, Pillaipakkam, Vellamvadagai, Sriperumbudur and Oragadam – Commenced from 18.12.2019 – Security deposit to be remitted – Requested – Reminder – Reg.

**Ref:** Lr.No. CMWSSB / C.E(O&M-II) / S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2019-20, Dated: 06.12.2019, 15.12.2019 & 24.01.2020.

The work of “Design, Build and Operate for 15 years (DBO) a 45 MLD capacity Tertiary Treatment Reverse Osmosis (TTRO) Plant at Koyambedu including supply, laying and maintenance of M.S. transmission main for conveying product water to various SIPCOT industries situated at Irungattukottai, Sriperumbudur and Oragadam” has been completed in all aspects and has been inaugurated & commissioned by the Hon’ble Chief Minister of Tamilnadu on 29.11.2019. The supply of TTRO product water to the M/s SIPCOT industries located at Irungattukottai, Pillaipakkam, Vellamvadagai, Sriperumbudur and Oragadam from Koyambedu TTRO plant was commenced from 18.12.2019 onwards.

In this connection, it is submitted that, the request for remittance of security deposit for an amount of Rs.2,045 Crores towards the supply of TTRO product water to M/s SIPCOT industries from Koyambedu TTRO plant has been made since 06.12.2019 and further reminders were made vide under references cited.

In this connection, it is submitted that the requisite security deposit amount has not been remitted till date, inspite of continuous follow up with officials of M/s SIPCOT.

As CMWSSB is facing financial crunch for the past more than 5 years with the deficit of about Rs.300 Crores, it is very difficult to manage to remit the electricity consumption charges of about Rs.1.5 Crores per month towards operation of TTRO plant & Intermediate storage Pumping Stations.

Hence it is requested to cause necessary instructions to the officials to expedite the remittance of security deposit of Rs.2,045 Crores immediately through RTGS/NEFT.

This is submitted for favour of information and requested for early action in this regard.

CHIEF ENGINEER (O&M-II)



பாசனம் - ஸ்கீமா மாவட்டம் - திருப்பெரும்புளூர் வட்டம் - இருக்காட்டுக் கோட்டை கிராமம் - அங்காட் தொழில் வளாகத்தில் அமைந்துள்ள தொழிற்சாலைக்கு - செய்பரம்பாக்கம் ஏரியிலிருந்து ஓட்டை மறிப்பு நிலைக்கு நீர்ப்பாசனம் போக எஞ்சிய நீர் 5 மில்லியட் கன அடங்குமீர் - வழங்குதல் - ஆணை வெளியிடப் படுகிறது.

பொதுப்பணி (புதுப்பிப்பு)

அரசு ஆணை (நிலை) : 134

தாள்: 31.3.1997

பலக்கலம்:

1. மேலாண்மை இயக்குநர், அங்காட் தேர்வுக் கமிட்டி என். 1026/96  
தாள்: 2.9.1996.
2. தலைமைப்பொறியாளர், நீர்வள ஆதார அமைப்பு, சென்னை மண்டலம்,  
கிருஷ்ணா ஓட்டை வழங்குதலைக் கமிட்டி என். பி.டி. 1/5250/96,  
தாள்: 24.12.1996.

பாரிவை 1ல் கட்ட கமிட்டியில் அங்காட், மேலாண்மை இயக்குநர் இருக் காட்டுக்கோட்டை அங்காட் தொழில் வளாகத்திற்கு, அங்கு அமையவுள்ள - உருட்டாய் காரி தொழிற்சாலைக்கு தேவையான 1.1 மில்லியட் கன அடி தண்ணீர் உட்பட மொத்தம் சுமார் 10 மில்லியட் கன அடி தண்ணீர் தேவை என்பது கேட்டுக் கொண்டுள்ளது.

2. பாரிவை 2ல் கட்ட கமிட்டியில் தலைமைப்பொறியாளர் நீர் வள ஆதார அமைப்பு சென்னை மண்டலம் மறிப்பு கிருஷ்ணா ஓட்டை வழங்குதல் திட்டம், கட்டிட காலக்காலில் செய்பரம்பாக்கம் ஏரியில் உள்ள நீர் நிலை ஒரே சீராகவும், 1992ம் ஆண்டு 485 மில்லியட் கன அடியாகவும் 1980ம் ஆண்டு 711 மில்லியட் கன அடியாகவும் 1996ம் ஆண்டு 2401 மில்லியட் கன அடியாகவும் இருந்ததென, குறிப்பிட்டுள்ளார். மேலும் பதிவு செய்யப் பட்டுள்ள 13,223 ஏக்கர் வரிகட்டிகளில் தற்போது வசூலாகும் செலியப்பட்டு வரும் 9800 ஏக்கர் நிலங்களுக்கு நீர்ப்பாசனம் செய்தாக வேண்டும் என்ற நிலை உள்ளது என்பும் குறிப்பிட்டுள்ளார். மேலும் இத்தொகு சென்னை மாநகருக்கு ஆதரவாக வசதியும் செய்பரம்பாக்கம் ஏரியிலிருந்து வழங்க வேண்டியிருப்பதால் நீர் இருப்பை கருத்தில் கொண்டு தாள் தண்ணீர் வழங்க வேண்டும் என்ற குறிப்பிட்டுள்ளார்.

3. தலைமைப்பொறியாளர் (சென்னை மண்டலம் மறிப்பு கிருஷ்ணா ஓட்டை வழங்குதல் திட்டம்) டி கமிட்டியைக் கருத்திற் கொண்டு அங்காட் தொழில் வளாகத்திற்குச் செயற்குறிப்பை அரசு பரிசீலித்தது.

செய்பரம்பாக்கம் ஏரியில் நீர் இருப்பிற்கான, பதிவு செய்யப் பட்ட வரிகட்டி பகுதிகளுக்கான தேவையான தண்ணீர் மறிப்பு சென்னை நகருக்கு ஓட்டைக்குத் தேவையான ஓட்டை பூரித்த செய்து பதி செய்பரம்பாக்கம்



/உயிர்பா/

புதுப்பிப்பு அங்காட் தொழில் வளாகம்

கிராம வளக்கமிட்டி.

21/4

SS

21/4

ARE.

Pl. Send a copy of this to SIPCO, GM (Tirumangal) for information.

21/4

Madam, Secretary



ஏற்பட்டது. நான் ஒட்டுக்கு 5 பீஸ்கள் என ஒரு சிப்பன் தொழில்  
வளாகத்திற்கு வழங்குவதற்கு அரசு உடனடி நடவடிக்கை மேற்கொண்டது. மேற்கண்ட வளாகத்தின்  
நிறுவனத்திற்கு, சிப்பன் தொழில் வளாகத்திற்கு பொதுப்பணித்துறையின் புதிய  
நிபந்தனைகளுக்கு உட்பட்டு ஒப்பந்தத்தில் கையொப்பப்பட்ட பீஸ்களை நீர்  
வழங்க வேண்டும் எனத் தலையமைப்பாளரானார். சென்னை மண்டலம், மற்றும்  
சிஞ்சுதா குடிநீர் வழங்கல் திட்டம் அங்கீகரிக்கப்படுகிறது.

(ஆளுநர் தலையமைப்பு)

செ.பி. குப்பா,  
அரசு செயலர்.

பெயர்:

தலையமைப்பாளரானார்,  
நீர்வள ஆதார தலையமைப்பு, சென்னை.5.

தலையமைப்பாளரானார்,  
நீர்வள ஆதார தலையமைப்பு,  
சென்னை மண்டலம் மற்றும் சிஞ்சுதா குடிநீர்  
மற்றும் வழங்கல் துறை,  
✓ மேலாண்மையுடையது,  
தமிழ்நாடு தொழில் வளர்ச்சி, கழகம்,  
19 ஏ. குடியேற்ற வடிகழிவுத் தோடு,  
எழும்பூர், சென்னை.8.  
கொண்ட. சிப்கள், துறை. மாண்டம்.

நகல்:

தொழில்நுறை சென்னை.5  
நகராட்சி நிர்வாகம் மற்றும் குடிநீர் வழங்கல் துறை,  
சென்னை.5.

/ஆளுநர்/அங்கீகரிக்கப்படுகிறது/

பி. ச. சுவாமிநாதன்  
பிரதி செயலர் 3/4/97



## SIPCOT – MAMBAKKAM MONITORING PHOTOGRAPH

### AMBIENT AIR QUALITY MONITORING PHOTOGRAPH:

#### NEAR PROJECT AREA



#### SANTHAVALLORE



#### NEAR ANAKAPUTHUR



## VALLAKKOTTAI



## KUNNAM



NOISE MONITORING PHOTOGRAPH

<p>NEAR PROJECT AREA</p> 	<p>SANTHAVELLORE</p> 
<p>NEAR ANAKAPUTHUR</p> 	<p>VALLAKKOTTAI</p> 
<p>KUNNAM</p> 	



## SOIL SAMPLING PHOTOGRAPH

NEAR PROJECT AREA	SANTHAVELLORE
	
NEAR ANAKAPUTHUR	VALLAKKOTTAI
	
KUNNAM	
	



## GROUND WATER SAMPLING PHOTOGRAPH

NEAR ANAKAPUTHUR



VALLAKKOTTAI



KUNNAM



## SURFACE WATER SAMPLING PHOTOGRAPH

THENNERI LAKE



POND NEAR ANAKAPATHUR



**SIPCOT**

Projects-I/EIA/Mambakkam/DISH/2022

Date: 22.03.2022

The Director of Industrial Safety and Health (FAC),  
Directorate of Industrial Safety and Health,  
No 47/1, Near Metro Water Roundtana,  
Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.

/RPAD/

Sir,

Sub: SIPCOT - "Development of Industrial Park at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu" - Intimation on Development of the Project and Request to Conduct Mock Drill - Reg.

Ref: 1. Our application for Environmental Clearance Vide Proposal No. SIA/TN/MIS/67813/2020; File No. 7652.  
2. Minutes of 242<sup>nd</sup> SEAC meeting held on 03.02.2022.  
3. Minutes of 485<sup>th</sup> SEIAA meeting held on 15.02.2022.

\*\*\*\*\*

With reference to the above, it is to inform that, SIPCOT propose for 'Development of Industrial Park at Mambakkam Village, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu over an extent of 74.76 Hectares (184.66 Acres) for which SIPCOT has submitted application to State Level Environment Impact Assessment Authority (SEIAA), Tamil Nadu seeking Environmental Clearance for the above project.

It is to inform that, an existing underground IOCL oil pipeline is passing through the proposed site and also a new underground IOCL gas Pipeline (Chennai to Madurai via Tiruchirappalli) has been proposed by Petronet CTM Limited through our site for which Government of India has issued Gazette Notification vide S.O.2245 dated 06/10/2000. The details of the IOCL pipeline passing through the proposed Industrial Park are given below:

- Existing underground oil pipeline of 14"OD from Manali to Trichy, laid in 2005 is passing through the proposed site.
- Proposed underground gas pipeline of 30" OD adjacent to existing oil pipeline from Ennore to Kilakkadi.
- ROW for both pipelines together is 18 m.

கொண்ட தொழிலகம் பாதாளம் மற்றும்  
கொண்ட இயல்புள்ள அருவியைத் தவிர்த்து  
(கொண்ட உள்ளது என்னவென்று தெரியாது)  
பெற்றுக் கொள்ளப்பட்டது.

தாள் 23.3.22

**State Industries Promotion Corporation of Tamil Nadu Limited**  
(A Government of Tamil Nadu Undertaking)

CIN : U74999TN19713GC005967

Regd. Office : 19-A, Rukmani Lakshminipathy Road, Post Box No.7223, Egmore, Chennai - 600 009.  
Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in





/2/

Further, we wish to bring to your kind notice that, there will not be any development in the 18m ROW pipeline. Also, SIPCOT propose to develop the Industrial Park for accommodating only Non-EIA category industries i.e., which does not fall under the EIA Notification 2006 & its subsequent amendments. The layout of the Industrial Park is enclosed as **Annexure-I**.

In this connection, during the 242<sup>nd</sup> SEAC meeting held on 03.02.2022, the committee has recommended the proposal to SEIAA for grant of Environmental Clearance with certain specific conditions. In the Minutes of 485<sup>th</sup> SEIAA Meeting, the authority has mentioned that the project proponent shall inform DISH about development of gas pipeline in SIPCOT land and mock drill shall be conducted along with SIPCOT agency for which the report shall be submitted to SEIAA before obtaining EC. Copy of the Minutes is enclosed as **Annexure-II** for your reference.

We therefore request you to conduct a mock drill and furnish a report on the safety measures to be followed for the proposed Industrial Park at the earliest.

Thanking you

Yours faithfully

  
MANAGING DIRECTOR

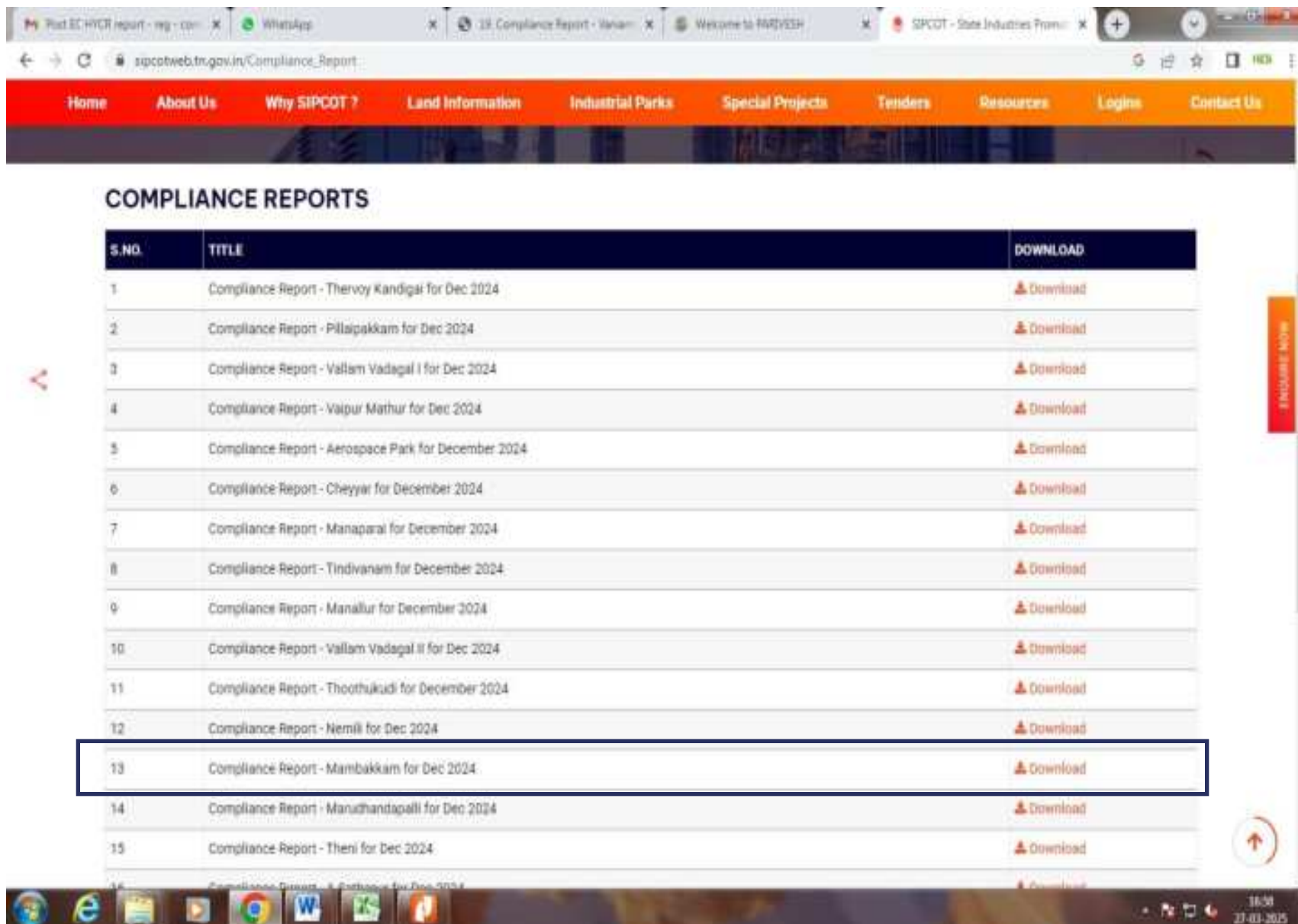
Encl: As above.

**State Industries Promotion Corporation of Tamil Nadu Limited**  
(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.  
Phone : 45261777, Fax : 45261796 Website : [www.sipcot.tn.gov.in](http://www.sipcot.tn.gov.in)





The screenshot displays the SIPCOT website's 'COMPLIANCE REPORTS' section. The page features a navigation bar with links to Home, About Us, Why SIPCOT?, Land Information, Industrial Parks, Special Projects, Tenders, Resources, Logins, and Contact Us. Below the navigation bar, the title 'COMPLIANCE REPORTS' is prominently displayed. A table lists 16 compliance reports, each with a serial number (S.NO.), a title, and a download link. The report for S.No. 13, 'Compliance Report - Mambakkam for Dec 2024', is highlighted with a blue border. A red vertical button labeled 'Request Now' is positioned to the right of the table. The browser's address bar shows the URL 'sipcotweb.tn.gov.in/Compliance\_Report'. The Windows taskbar at the bottom indicates the date as 27-03-2025 and the time as 10:50.

S.NO.	TITLE	DOWNLOAD
1	Compliance Report - Thervoy Kandigai for Dec 2024	<a href="#">Download</a>
2	Compliance Report - Pillaipakkam for Dec 2024	<a href="#">Download</a>
3	Compliance Report - Vallam Vadagal I for Dec 2024	<a href="#">Download</a>
4	Compliance Report - Vaipur Mathur for Dec 2024	<a href="#">Download</a>
5	Compliance Report - Aerospace Park for December 2024	<a href="#">Download</a>
6	Compliance Report - Cheyyar for December 2024	<a href="#">Download</a>
7	Compliance Report - Manapara for December 2024	<a href="#">Download</a>
8	Compliance Report - Tindivanam for December 2024	<a href="#">Download</a>
9	Compliance Report - Manalur for December 2024	<a href="#">Download</a>
10	Compliance Report - Vallam Vadagal II for Dec 2024	<a href="#">Download</a>
11	Compliance Report - Thoothukudi for December 2024	<a href="#">Download</a>
12	Compliance Report - Nemil for Dec 2024	<a href="#">Download</a>
13	Compliance Report - Mambakkam for Dec 2024	<a href="#">Download</a>
14	Compliance Report - Manudhandapalli for Dec 2024	<a href="#">Download</a>
15	Compliance Report - Theni for Dec 2024	<a href="#">Download</a>
16	Compliance Report - ... for Dec 2024	<a href="#">Download</a>



I/172996/2024

Date: 25-09-2024

To,  
The Member Secretary,  
Tamil Nadu Pollution Control Board,  
No.76, Mount Salai, Guindy,  
Chennai - 600 032.

Sir,

Sub: SIPCOT Industrial Park, Mambakkam - Environmental Statement for the  
Financial Year ending 31<sup>st</sup> March 2024 - Submitted - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F.No.7652/EC/8(a)/835/2022 dated  
01.07.2022.

\*\*\*\*\*

With reference to the above, we hereby submit the Environmental Statement  
in Form-V as prescribed under the Environmental (Protection) Rules, 1986 and its  
subsequent amendment in respect of SIPCOT Industrial Park at Mambakkam Village  
in Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu for the Financial Year  
ending 31<sup>st</sup> March 2024.

Yours faithfully,

GENERAL MANAGER (P-I)

Encl: As above.

## STORM DRAIN PHOTOGRAPHS





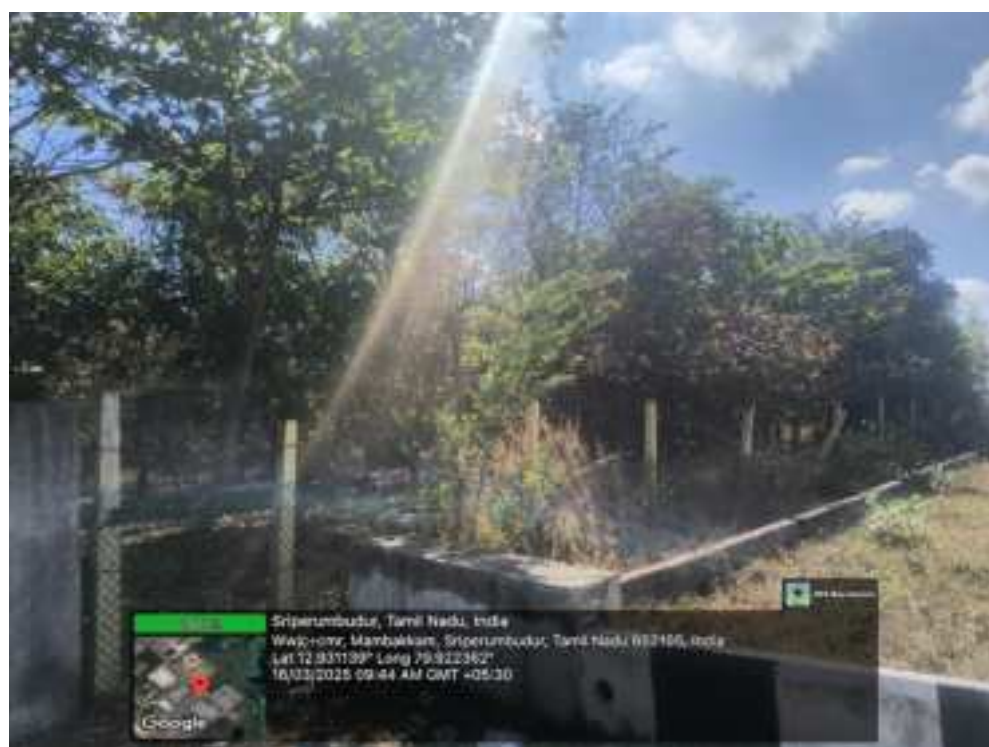


Sriperumbudur, Tamil Nadu, India  
Bengaluru - Chennai Hwy, Mambakkam, Sriperumbudur, Tamil Nadu 602106, India  
Lat 12.928993° Long 79.898188°  
16/03/2025 09:15 AM GMT +05:30

GPS Map Camera



## GREENBELT PHOTOGRAPHS



## LED LIGHT PHOTOGRAPHS







## IOCL PIPELINE PHOTOGRAPH





## ROAD PHOTOGRAPHS

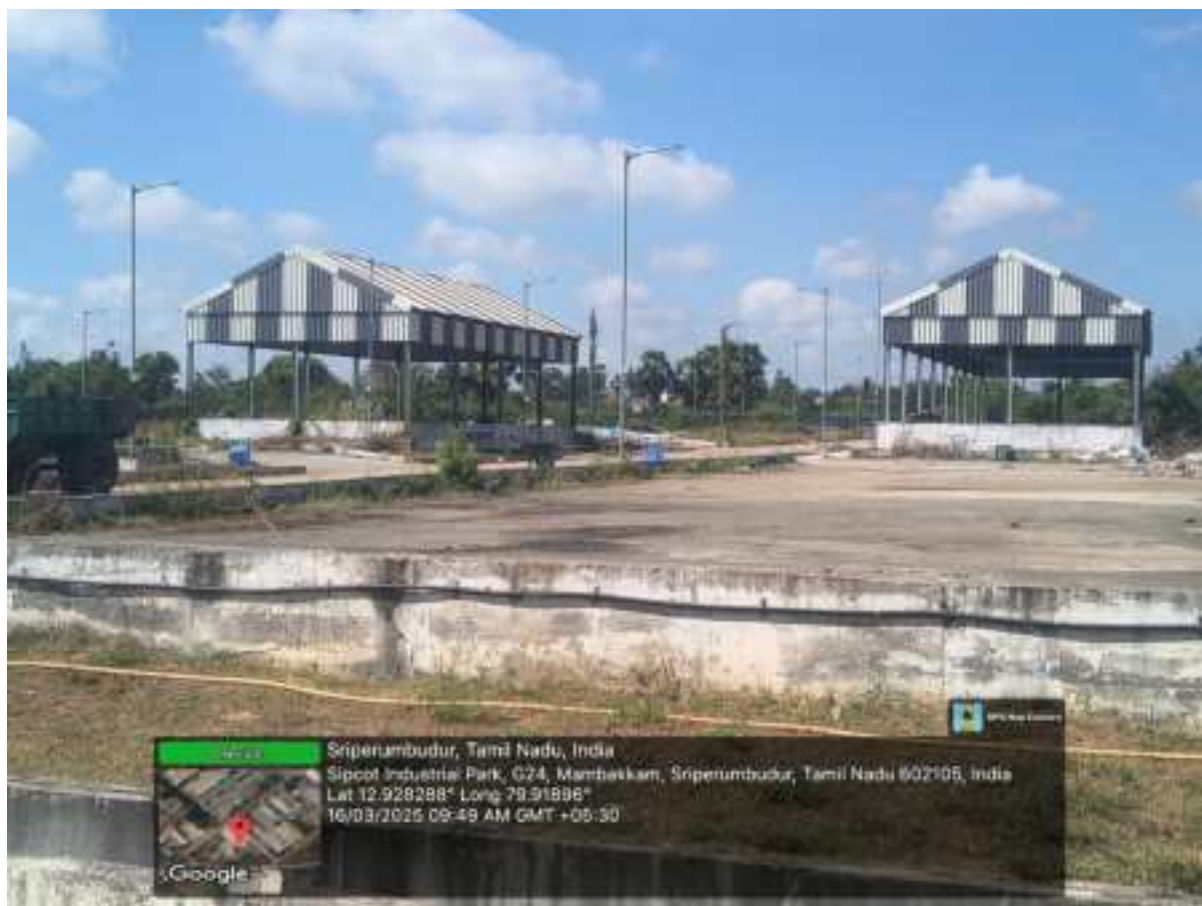




Sriperumbudur, Tamil Nadu, India  
Bengaluru - Chennai Hwy, Mambakkam, Sriperumbudur, Tamil Nadu 602106, India  
Lat 12.92906° Long 79.898062°  
16/03/2025 09:16 AM GMT +05:30

## SOLID WASTE MANAGEMENT AREA - PHOTOGRAPHS







## NEARBY WATER BODY PHOTOGRAPH

