

**HALF YEARLY ENVIRONMENTAL CLEARANCE
COMPLIANCE REPORT**

For the Period of April 2024 - September 2024

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



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November 2024

TABLE OF CONTENTS

S.No	List of Contents	Page No
1.	Project details	3
2.	Location map	4
3.	Site photograph	5
4.	Six monthly environmental clearance statement	6
5.	Environmental Monitoring Details	36
	5.1 Ambient air quality monitoring	36
	5.2 Ambient noise level monitoring	36
	5.3 Soil Quality monitoring	36
	5.4 Ground water quality monitoring	36
	5.5 Surface water quality monitoring	36
6.	Conclusion	37

LIST OF ANNEXURE

S. No	List Of Contents
Annexure 1	Copy of Environmental Clearance
Annexure 2	Consent to Establish obtained from TNPCB
Annexure 3	Environment Management Cell
Annexure 4	Environment Monitoring Report
Annexure 5	EC Newspaper Advertisement copy
Annexure 6	EC Newspaper Advertisement copy submitted to SEIAA and MoEF
Annexure 7	Screenshot of EC copy uploaded in the website
Annexure 8	Submission of EMP and CER to SEIAA
Annexure 9	CMWSSB Approval letter
Annexure 10	Environment Monitoring Photos
Annexure 11	Acknowledgement from DISH for conducting mock drill
Annexure 12	Screenshot of EC compliance report and Environmental Statement uploaded in the website
Annexure 13	Form V Acknowledgement copy

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 Annexure 1)
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 Annexure – 11 .
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.	All the member units will be instructed to follow applicable rules and guidelines.
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.	Condition noted. All the member units will be instructed to comply with.
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.	All the member units will be instructed to have their own STP for treatment of domestic wastewater 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.	Not applicable. Individual industries will have their own STP.
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	Condition Noted.
11.	Taller/one year old Saplings raised inappropriate size of bags, preferably eco-friendly bags should be planted in proper espacement as per the advice of local forest authorities botanist/Horticulturist	Condition noted.

	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.	
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.	Condition Noted. Separate entry and exit points shall 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.	Condition noted. All the member units will be instructed to comply with.
16.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.	Condition Noted.
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 etc.	Condition noted.
21.	As per the MoEF&CC Office Memorandum F.No. 22-6512017-IA.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 SEIAA.	Condition Complied. The detailed EMP and revised CER were submitted to SEIAA before placing the subject to SEIAA. The letter is enclosed as Annexure – 8.
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.

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.
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 developmentactivities/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.
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.

6.	The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.	Condition complied. The water requirement will be met from the TTRO plant (Koyambedu) and Chembarambakkam Lake through CMWSSB. CMWSSB allotment letter is enclosed as Annexure - 9.
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.	All the member units will be mandated to adopt ZLD system and use the 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 comply with 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 to reuse the treated water as per the norms.
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 Noted. 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.	Condition Noted.
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 industries will be mandated to have their own STP/ETP for treatment of wastewater and to reuse the treated water 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 out come of Hon'ble High Court of Madras in W.P Nos.207632017 & 27850/2019.	Condition noted.
18.	The project proponent & the Industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green buildings norms.	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.	Condition Complied. The water requirement will be met from the TTRO plant (Koyambedu) and Chembarambakkam Lake through CMWSSB. CMWSSB allotment letter is enclosed as Annexure - 9.

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	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.	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.
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.	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 will be complied. 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 member industries will be mandated to have STP/ETP and to reuse the treated water as per the norms.
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.	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.	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.	EMP for construction phase will be completed before CTO.
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.	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.	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.
35.	The proponent & the Industries to be in-housed shall ensure to provide the emergency exit in the buildings.	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 continues 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. All the member industries will be instructed to follow all applicable rules and guidelines.
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.

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 approval.
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.	Condition noted.

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.	<p>Condition noted.</p> <p>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 Annexure-2.</p>
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.	Condition noted.
6.	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	Condition noted.
7.	The environmental statement for each Financial year ending 31 st 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-	<p>Condition complied.</p> <p>The Form V Acknowledgement copy is attached as Annexure – 13.</p>

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.	Condition noted.
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.	Conditions complied. CTE obtained from TNPCB and the copy of CTE is attached as Annexure-2.
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.	Condition noted. 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 orde6 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.	Condition noted.

12.	The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.	Condition noted.
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 ₂ , NO _x (ambient levels as well as stack emissions) or critical sectional parameters' indicated for the project shall be monitored.	Condition is being complied. Compliance of EC conditions uploaded in website is enclosed as Annexure – 12.
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.	Condition noted.

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.	Condition noted.
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.	Condition noted.
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.	Condition noted.
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	<p>Condition complied.</p> <p>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.</p> <p>Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure - 3.</p>

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 monitoring report is enclosed as Annexure - 4.
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 nregarding 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 units will be Mandated to follow the ban on one time use throwaway plastic. plastics.
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 Annexure - 9.

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. All the member units shall comply with.
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.	Condition complied. Newspaper advertisement copy is enclosed as Annexure - 5. 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 Annexure -6.
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	Condition noted. 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.	Condition complied. The Screenshot of EC copy uploaded in the website is attached as Annexure - 7.
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 lightning 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. All the member units will be instructed to comply with.

6.	Design of building should be in conformity with the Seismic Zone Classifications.	Condition will be complied. All the member units will be instructed to follow 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 will be complied. All the member units will be instructed to comply with.
8.	No construction activity of any kind shall be taken up in the OSR area.	Condition noted and will be complied.
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 and will be complied. All the member units will be instructed to comply with.

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"> 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., <p>and it shall be made available to the owners.</p>	Condition 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 will be complied.
16.	The green belt area shall be planted With indigenous native trees.	Greenbelt will be developed with indigenous native species.
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.

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.	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.	Condition noted.
2.	Labour Welfare:	
	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.	Water Supply:	
	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.	Solid Waste Management:	
	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 will be instructed to comply with.
	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.	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 Noted. 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.	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.	Condition noted. All the member units will be instructed to comply with.
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.	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.
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.	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 shall comply with.
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.	Condition Noted. All the member unit will be instructed to follow applicable rules and guidelines.
	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 Annexure - 4 .
	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 met 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.	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.	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.	All the member units shall comply with.
	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.	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.	Storm water will be provided all along the internal road. All the member industries will be instructed to follow applicable rules and guidelines.
	ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.	Condition noted.
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	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.
	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.	Fire Safety:	
	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.	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.	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.
	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.
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.	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 proposed 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 follow applicable rules and guidelines.
	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 follow applicable rules and guidelines.
	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.	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.	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.	Building Safety:	
	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 April 2024 to September 2024.

5.1 Ambient Air Quality Monitoring

The Ambient Air Quality parameters such as suspended particulate matter (PM₁₀), Respirable matter (PM_{2.5}), Sulphur dioxide, Oxides of Nitrogen (NO_x) and Carbon monoxide were monitored during the period of April 2024 to September 2024 . 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 April 2024 to September 2024 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 April 2024 to September 2024 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 April 2024 to September 2024. 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 April 2024 to September 2024. 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 April 2024 to September 2024
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**

ANNEXURE

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 Lakshmi pathy 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. | EC22B039TN156655 |
| 2. File No. | 7652/2020 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 8(b) Townships and Area Development
projects. |
| 6. Name of Project | Development of Industrial Park at
Mambakkam Village in an area of 74.76
Ha (184.66 Acres) |
| 7. Name of Company/Organization | STATE INDUSTRIES PROMOTION
CORPORATION OF TAMILNADU
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.*

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

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

3rd 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**

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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/7613/2022, dated 23.09.2021

3. Your application for Environmental Clearance dated: 24.09.2021

4. Minutes of the 242nd meeting of SEAC held on 03.02.2022

5. Minutes of the 485th meeting of Authority held on 15.02.2022

6. Minutes of the 282nd meeting of SEAC held on 04.06.2022

7. Minutes of the 527th meeting of Authority held on 01.07.2022

This has reference to your application 2nd & 3rd 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:


MEMBER SECRETARY
SEIAA-TN

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,


MEMBER SECRETARY
SEIAA-TN

		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 : 74.76 Ha (184.66 Acres) <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>Total Developable Area</td><td>173.22</td><td>70.14</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	Total Developable Area	173.22	70.14	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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Total Area of the Industrial Park		184.66	74.76																																			
<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 & Electrical Industries</td> <td>100</td> <td>1 to 24</td> <td>125.52</td> <td>50.81</td> </tr> <tr> <td>100</td> <td></td> <td></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</u> requirement 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>Total</td> <td>168</td> <td>870</td> <td>599</td> <td>1637</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	Total	168	870	599	1637
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SEIAA-TN

		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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SEIAA-TN

	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>Total</td><td>65.21</td><td>26.4</td><td>37.65</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	Total	65.21	26.4	37.65	
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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 I.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-


MEMBER SECRETARY
SEIAA-TN

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).


MEMBER SECRETARY
SEIAA-TN

- 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

MEMBER SECRETARY
SEIAA-TN

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
	Total EMP Cost	854.00

X. As per Minutes of 282nd 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-


MEMBER SECRETARY
SEIAA-TN

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 282nd 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,


MEMBER SECRETARY
SEIAA-TN

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 168th SEAC meeting for ToR on 05/08/2020 and 397th SEIAA meeting held on 21/09/2020. The project was recommended for ToR as per the MoM of 397th meeting vide Letter No.


MEMBER SECRETARY
SEIAA-TN


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.


MEMBER SECRETARY
SEIAA-TN

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.


MEMBER SECRETARY
SEIAA-TN

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 242nd 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 485th SEIAA meeting held on 15.2.2022 and 500th 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 282nd SEAC


MEMBER SECRETARY
SEIAA-TN

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


MEMBER SECRETARY
SEIAA-TN

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 pubic 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 Westes (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.


MEMBER SECRETARY
SEIAA-TN

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	விலவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சள், ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Uai	உ.சை
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	காட்டுமர
9	<i>Borassus flabellifer</i>	Parai	பனை
10	<i>Butea monosperma</i>	Murukkamaram	முருக்கமரம்
11	<i>Bobax ceiba</i>	Iyavu, Sevvilavu	இலவ
12	<i>Calophyllum inophyllum</i>	Punnai	புனை
13	<i>Cassia fistula</i>	Sarakondrai	சரகெண்டிரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கெண்டிரை
15	<i>Chloroxylon swietenia</i>	Puracamarani	புரக மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Manjallavu	கோங்கு, மஞ்சள் இலவ
17	<i>Cordia dichotoma</i>	Naniyadi	நனையடி
18	<i>Cratogeomys adansonii</i>	Mavalangum	மாவலங்கம்
19	<i>Dillenia indica</i>	Uva, Ucha	உ.சா
20	<i>Dillenia pentagyna</i>	SiruUva, SiruUcha	சீறு உ.சா
21	<i>Diospyros schomburgkii</i>	Karungali	கருங்காளி
22	<i>Diospyros schloroxylon</i>	Vaganai	வாகை
23	<i>Ficus amplissima</i>	Kallachi	கல் இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupoovaram	ஆற்றுப்பூவரம்
25	<i>Hardwickia binata</i>	Aacha	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aavali	ஆவல மரம், ஆயிலி
27	<i>Lamnea coromandelica</i>	Odham	ஒத்பம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottaimaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila varani	விலா மரம்
31	<i>Litsea glutinosa</i>	Pisinpattai	பிளிப்பை, பிசிப்பை
32	<i>Madhuca longifolia</i>	Iluppai	இலுப்பை
33	<i>Manilkara hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadamba	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுணா
37	<i>Morinda citrifolia</i>	Vellai Nuna	வெள்ளை நுணா
38	<i>Phoenix sylvestris</i>	Eachai	ஏச்சை
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்


MEMBER SECRETARY
SEIAA-TN

40	<i>Premna mollissima</i>	Murrai	முனை
41	<i>Premna serratifolia</i>	Narumurai	நறு முனை
42	<i>Premna tomentosa</i>	Malaipoovarasu	மலை பூவரசு
43	<i>Prosopis cinerea</i>	Varu maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum canescens</i>	Vennangu, Tada	வெண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பூவு
47	<i>Putranjiva roxburghii</i>	Karpala	கற்பலா
48	<i>Salvadora persica</i>	Ugaa Maram	உகா மரம்
49	<i>Sapindus emarginatus</i>	Marupungan, Soapukai	மணிப்புகள் சோப்புக்காய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Strobilus 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>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsura trifoliata</i>	valsura	வாலசுரா
60	<i>Wrightia tinctoria</i>	Veppalai	வெப்பலை
61	<i>Pithecellobium dulce</i>	Kodukkapuli	கொடுக்காபுளி

SEIAA Recommendations:

The proposal was placed in the 527th 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.

**MEMBER SECRETARY
SEIAA-TN**

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.


MEMBER SECRETARY
SEIAA-TN

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.


MEMBER SECRETARY
SEIAA-TN

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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SEIAA-TN

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 14th 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; PM₁₀, PM_{2.5}, SO₂, NO_x (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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SEIAA-TN

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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SEIAA-TN

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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SEIAA-TN

- 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:

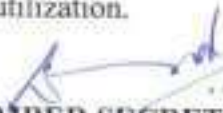
- i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.
- ii) Rain water harvesting 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.


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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.


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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.


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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.


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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, 1st & 2nd 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
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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
Product Details			
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.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
II Fugitive/Noise emission :				
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
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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
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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
Product Details			
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.

a Sewage Treatment Plant:			
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 Effluent Treatment Plant:			
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
Effluent Type : Sewage			
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
Effluent Type : Trade Effluent			
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 No Objection Certificate 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.

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
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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,

M/S SIPCOT 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

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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

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

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 : Project area

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

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

ULR : TC123162400004489F

Report No. : HECS/AP/040/180924

Sample ID No. : 180924093

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 24/09/2024

Report Date : 24/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	6.83	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	25.69	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	10.56	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	56.23	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	24.69	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	12.95	IS 5182 (Part 2) : 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	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/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-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



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

(Chemical & Biological Testing)
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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 : Project area
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part-5 & Part 14
Report No. : HECS/AP/040/180924/N
Sample ID No : 180924093
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 24/09/2024
Report Date : 24/09/2024
Sample quantity : 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 : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0

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

ULR : TC1231024000044890F

Report No. : HECS/AP/041/180924

Sample ID No : 180924094

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 24/09/2024

Report Date : 24/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	5.69	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	22.86	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	11.51	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	53.26	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	22.56	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	13.85	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

Notes: BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

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

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 : Anakaputhur
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part-5 & Part 14

Report No. : HECS/AP/041/180924/N
Sample ID No. : 180924094
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 24/09/2024
Report Date : 24/09/2024
Sample quantity : 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 : Santhavellore

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0

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

ULR : TC1231024000044891F

Report No. : HECS/AP/042/180924

Sample ID No : 180924095

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 24/09/2024

Report Date : 24/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	8.63	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	ng/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	23.86	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	11.73	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	54.68	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	23.18	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	11.39	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	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/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

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

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 : Santhavellore
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part-5 & Part 14

Report No. : HECS/AP/042/180924/N
Sample ID No : 180924095
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 24/09/2024
Report Date : 24/09/2024
Sample quantity : 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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Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

ULR : TC1231024000044892F

Report No. : HECS/AP/043/180924

Sample ID No : 180924096

Sampling Date : 18/09/2024

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Vallakottai

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

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

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 24/09/2024

Report Date : 24/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m3	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m3	5.87	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m3	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m3	22.68	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m3	12.43	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m3	51.39	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m3	22.76	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m3	11.38	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	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/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

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

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 : Vallakottai
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part-5 & Part 14

Report No. : HECS/AP/043/180924/N
Sample ID No. : 180924096
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 24/09/2024
Report Date : 24/09/2024
Sample quantity : 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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Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Kunnam

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

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

ULR : TC1231024000044893F

Report No. : HECS/AP/044/180924

Sample ID No : 180924097

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 24/09/2024

Report Date : 24/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	8.36	IS 5182 (Part 25): 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m³	24.68	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	11.31	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	54.68	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	22.79	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	11.68	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	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/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

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

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 : Kunnam
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part-5 & Part 14

Report No. : HECS/AP/044/180924/N
Sample ID No : 180924097
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 24/09/2024
Report Date : 24/09/2024
Sample quantity : 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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Page : 1 of 4

ULR : TC1231024000044652F
Report No. : HECSL/WT/029/180924
Sample ID No : 180924104
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Vallakottai

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B .C): 2017	0.2	1
3	Bi carbonate	mg/l	180.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	52.10	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/l	195.96	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	6.7	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 2 of 4

ULR : TC1231024000044652F
Report No. : HECSL/WT/029/180924
Sample ID No : 180924104
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Vallakottai

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	1147.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.48	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	0.037	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	26.73	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	6.35	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	44.92	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C	-	7.78	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec. 1: 2022	0.001	0.002
21	Potassium as K	mg/l	8.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	2.63	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	94.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA



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Page : 3 of 4

ULR : TC1231024000044652F
 Report No. : HECSL/WT/029/180924
 Sample ID No : 180924104
 Sampling Date : 18/09/2024

Received Date : 18/09/2024
 Commenced Date : 18/09/2024
 Completed On : 23/09/2024
 Report Date : 23/09/2024
 Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Vallakottai

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	91.36	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO ₃	mg/l	180.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	631.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO ₄	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	240.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	0.5	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 4 of 4

U/LR : TC1231024000044652F
Report No. : HECSL/WT/029/180924
Sample ID No : 180924104
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Vallakottai

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Report No. : HECSI/WT/029/180924/N

Address of the Client : Mambakkam

Sample ID No : 180924104

Sampling Date : 18/09/2024

Group : Water

Received Date : 18/09/2024

Sample Name : Ground Water

Commenced Date : 18/09/2024

Sample Mark : Near Vallakottai

Completed On : 23/09/2024

Sample Reference : NA

Report Date : 23/09/2024

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

Sample quantity : 1 Litres

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

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: 2003 (Diphenyl Carbazide method)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report



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Page : 1 of 4

ULR : TC1231024000044653F
Report No : HECSL/WT/030/180924
Sample ID No : 180924105
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B , C): 2017	0.2	1
3	Bi carbonate	mg/l	140.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	36.07	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/l	267.23	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	6.7	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 2 of 4

ULR : TC1231024000044653F
Report No. : HECSL/WT/030/180924
Sample ID No : 180924105
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	1230.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.45	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	0.058	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	19.44	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	8.14	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	60.40	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C	-	7.33	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Potassium as K	mg/l	11.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	4.32	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	130.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA



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TEST REPORT

Page : 3 of 4

ULR : TC1231024000044653F
Report No. : HECSL/WT/030/180924
Sample ID No : 180924105
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	78.14	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO ₃	mg/l	140.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	689.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	2.0	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO ₄	mg/l	0.092	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	0.027	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	170.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	1.5	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 4 of 4

ULR : TC1231024000044653F
Report No. : HECSL/WT/030/180924
Sample ID No : 180924105
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable.

End of Report



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Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

Report No. : HECSL/WT/030/180924/N

Sample ID No : 180924105

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 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: 2003 (Diphenyl Carbazide method)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report



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TEST REPORT

Page : 1 of 4

ULR : TC1231024000044654F
Report No. : HECSL/WT/031/180924
Sample ID No : 180924106
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Kunnam

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B , C): 2017	0.2	1
3	Bi carbonate	mg/l	160.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	56.11	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/l	205.78	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	6.8	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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Page : 2 of 4

ULR : TC12310240000446547
Report No. : HECSL/WT/031/180924
Sample ID No : 180924106
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Kunnam

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13.	Electrical Conductivity at 25°C	µS/cm	1210.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.44	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	0.054	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	29.16	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	22.16	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	46.92	HECS /WT/SOP/002: 2019	NA	NA
19	pH at 25°C	-	7.45	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Potassium as K	mg/l	7.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	2.89	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	105.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA



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**TEST REPORT**

Page : 3 of 4

ULR : TC1231024000044654F
 Report No. : HECSL/WT/031/180924
 Sample ID No : 180924106
 Sampling Date : 18/09/2024

Received Date : 18/09/2024
 Commenced Date : 18/09/2024
 Completed On : 23/09/2024
 Report Date : 23/09/2024
 Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Kunnam

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	121.14	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO ₃	mg/l	160.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	667.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	3.0	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO ₄	mg/l	0.22	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	0.067	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	260.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	1.2	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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Page : 4 of 4

TEST REPORT

ULR : TC1231024000044654F
Report No. : HECSL/WT/031/180924
Sample ID No : 180924106
Sampling Date : 18/09/2024

Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Kunnam

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable.

End of Report



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TEST REPORT

Page : 1 of 1

Report No. : HECSL/WT/031/180924/N

Sample ID No : 180924106

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Kunnam

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

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: 2003 (Diphenyl Carbazide method)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report



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TC-12310

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Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Pond near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

ULR : TC1231024000044655F
 Report No. : HECSL/WT/032/180924
 Sample ID No : 180924107
 Sampling Date : 18/09/2024

Received Date : 18/09/2024
 Commenced Date : 18/09/2024
 Completed On : 23/09/2024
 Report Date : 23/09/2024
 Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
Discipline : Chemical					
1	Ammonia as NH ₃	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bi carbonate	mg/l	170.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	3.0	IS 3025 Part 44: 1993	2
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	24.05	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/l	24.0	IS 3025 Part 58: 2006	NA
7	Chloride as Cl	mg/l	151.87	IS 3025 Part 32: 1988 (Argentometric Method)	250
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	10
9	Dissolved oxygen	mg/l	5.9	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	818.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.40	APHA 23rd edition Method 4500 F -B,D: 2017	1.5
12	Iron as Fe	mg/l	0.091	IS 3025 Part 53: 2003	0.3
13	Nitrate as NO ₃	mg/l	3.48	APHA 23rd edition Method 4500 NO3B: 2017	20



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Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Pond near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 Humidity (%) : 50.0

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

ULR : TC1231024000044655F

Report No. : HECSL/WT/032/180924

Sample ID No. : 180924107

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C	-	7.81	IS 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	452.0	IS 3025 Part 16: 1984	500
16	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B, C: 2017	0.2
17	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
18	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec. 1: 2021	0.05
19	Magnesium as Mg	mg/l	13.36	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	24.28
20	Percent Sodium	%	58.45	HECSG /WT/SOP/002 Issue No.01, Issue date 18.12: 2021	NA
21	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	0.002
22	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	APHA 23rd edition Method 4500-P B,D: 2017	NA
23	Potassium as K	mg/l	6.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA
25	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	3.23	IS 11624: 2019	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 : Pond near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

ULR : TC1231024000044655F

Report No. : HECSL/WT/032/180924

Sample ID No : 180924107

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296- Class-A)
26	Sodium as Na	mg/l	80.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO ₄	mg/l	48.31	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO ₃	mg/l	170.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO ₃	mg/l	115.0	IS 3025 Part 21: 2009	300
30	Total Phosphorous as P	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Solids	mg/l	3.0	IS 3025 Part 17: 1984	NA
32	Turbidity	NTU	0.8	IS 3025 Part 10: 1984	1
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.001
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.5
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.5
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001

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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 : Surface Water

Sample Mark : Pond near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 Humidity (%) : 50.0

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

ULR : TC1231024000044655F

Report No. : HECSL/WT/032/180924

Sample ID No. : 180924107

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 - Class-A)
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	15

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

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 : Pond near Anakaputhur
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0
Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/032/180924/N
Sample ID No : 180924107
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Litres

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

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

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 : Thenneri Lake

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

ULR : TC1231024000044656F

Report No. : HECSL/WT/033/180924

Sample ID No : 180924108

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 - Class-A)
Discipline : Chemical					
1	Ammonia as NH ₃	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bicarbonate	mg/l	270.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	4.0	IS 3025 Part 44: 1993	2
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Carcumini Method)	NA
5	Calcium as Ca	mg/l	48.09	IS 3025 Part 40: 1991(EIOTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/l	32.0	IS 3025 Part 58: 2006	NA
7	Chloride as Cl	mg/l	186.17	IS 3025 Part 32: 1988 (Argentometric Method)	250
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	10
9	Dissolved oxygen	mg/l	6.7	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	1051.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.43	APHA 23rd edition Method 4500 F B,D: 2017	1.5
12	Iron as Fe	mg/l	0.15	IS 3025 Part 53: 2003	0.3
13	Nitrate as NO ₃	mg/l	11.37	APHA 23rd edition Method 4500 NO ₃ B: 2017	20



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Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Thenneri Lake

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 Humidity (%) : 50.0

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

ULR : TC1231024000044656F

Report No. : HECSL/WT/033/180924

Sample ID No : 180924108

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C	-	7.96	IS 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	588.0	IS 3025 Part 16: 1984	500
16	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B - C: 2017	0.2
17	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
18	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg	mg/l	24.3	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	24.28
20	Percent Sodium	%	47.26	HECSG/WT/SOP/002 Issue No.01, Issue date 18.12: 2021	NA
21	Phenolic compounds as C ₆ H ₅ OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43-Sec 1: 2022	0.002
22	Phosphate as PO ₄	mg/l	0.25	APHA 23rd edition Method 4500-P B.D: 2017	NA
23	Potassium as K	mg/l	7.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA
25	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	2.78	IS 11624: 2019	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 : Thenneri Lake

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 Humidity (%) : 50.0

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

ULR : TC1231024000044656F

Report No. : HECSL/WT/033/180924

Sample ID No : 180924108

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
26	Sodium as Na	mg/l	95.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO ₄	mg/l	31.48	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO ₃	mg/l	270.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO ₃	mg/l	220.0	IS 3025 Part 21: 2009	300
30	Total Phosphorous as P	mg/l	0.076	IS 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Solids	mg/l	4.0	IS 3025 Part 17: 1984	NA
32	Turbidity	NTU	2.2	IS 3025 Part 10: 1984	1
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.001
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.5
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.5
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001



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Laboratory Services Division

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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 : Surface Water

Sample Mark : Thenneri Lake

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

ULR : TC1231024000044656F

Report No. : HECSL/WT/033/180924

Sample ID No : 180924108

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 - Class-A)
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	15

Note: BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

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 : Thenneri Lake

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 50.0

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

Report No : HECSL/WT/033/180924/N

Sample ID No : 180924108

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Litres

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

Notes:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

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 : Project Site

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000044647F

Report No. : HECS/PE/021/180924

Sample ID No : 180924099

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 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	34.32	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	6.62	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	24.31	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture		Silty clay	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	18.2	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	38.9	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	42.9	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 °C (1 : 2.5)	-	7.62	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 °C (1 : 2)	µS/cm	650.0	IS 14767: 2000



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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 : Project Site

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000044647F

Report No : HECS/PE/021/180924

Sample ID No : 180924099

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
	Bulk Density	g/cm ³	1.48	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.91	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	1.58	IS 2720 (Part 22) Section I 1972
14	Available Potassium	meq/100g	14.26	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02/07/2020
16	Total Nitrogen as N	%	0.0640	IS 14684 Clause 4 1999
17	Exchangeable Calcium as Ca	meq/L	8.20	FAO of United Nations, Rome Chapter - III 2008
18	Exchangeable Magnesium as Mg	meq/L	6.52	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	meq/100g	5.4	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	22.4	IS 14765: 2000
21	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02/07/2020
22	Phosphorous	µg/g	9.48	FAO of United Nations, Rome Chapter -

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams 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 & Environment
Sample Name : Soil
Sample Mark : Project Site
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/021/180924/N
Sample ID No : 180924099
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	153.12	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	1.86	Inhouse method
3	Infiltration Rate	cm/hr	7.1	Inhouse method
4	Moisture	%	7.28	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02-07-2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilogram .
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Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000044648F

Report No. : HECS/PE/022/180924

Sample ID No : 180924100

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 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	35.64	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	7.61	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	31.15	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Silty clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	18.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	52.1	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	29.3	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.92	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	810.5	IS 14767: 2000

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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 : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000044648F

Report No. : HECS/PE/022/180924

Sample ID No : 180924100

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.24	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.93	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	1.62	IS 2720 (Part 22) Section I 1972
14	Available Potassium	mEq/100g	7.12	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07: 2020
16	Total Nitrogen as N	%	0.0455	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/l.	7.45	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/l.	7.25	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	3.6	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	18.6	IS 14765: 2000
21	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02:07: 2020
22	Phosphorous	µg/g	5.44	FAO of United Nations, Rome Chapter -

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams 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 & Environment
Sample Name : Soil
Sample Mark : Anakaputhur
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/022/180924/N
Sample ID No : 180924100
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	163.41	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	2.54	Inhouse method
3	Infiltration Rate	cm/hr	7.4	Inhouse method
4	Moisture	%	4.02	HECS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date: 02-07-2020

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

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 : Santhavellore

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC12310240000446491

Report No. : HECS/PE/023/180924

Sample ID No : 180924101

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 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	30.95	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	9.51	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	26.51	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	%	22.2	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	27.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	50.4	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 °C (1 : 2.5)	-	7.32	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 °C (1 : 2)	µS/cm	160.0	IS 14767: 2000



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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 : Santhavellore

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000044649F

Report No. : HECS/PE/023/180924

Sample ID No : 180924101

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.22	FAO of United Nations Rome- 2007
12	Organic Carbon	%	1.40	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	2.42	IS 2720 (Part 22) Section I 1972
14	Available Potassium	mEq/100g	9.85	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.01 Issue Date:02-07-2020
16	Total Nitrogen as N	%	0.0327	IS 14684 Clause 4- 1999
17	Exchangeable Calcium as Ca	mEq/L	9.54	FAO of United Nations, Rome Chapter - III 2008
18	Exchangeable Magnesium as Mg	mEq/L	9.93	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	5.6	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	20.2	IS 14765: 2000
21	Colour	-	Red	HECS-G/ENV/SSW/SOP/011 Issue No.01 Issue Date:02-07-2020
22	Phosphorous	µg/g	25.62	FAO of United Nations, Rome Chapter -

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams 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 & Environment

Sample Name : Soil

Sample Mark : Santhavellore

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/023/180924/N

Sample ID No : 180924101

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	163.21	HECS-G/INS/SOP/042
2	Iron	mg/kg	30.12	Inhouse method
3	Infiltration Rate	cm/hr	4.0	Inhouse method
4	Moisture	%	7.64	HECS-G/ENV/SSW/SOP/003 Issue No. 01 Issue Date: 02/07/2020

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

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 : Vallakottai

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC12310240000446501

Report No. : HECS/PE/024/180924

Sample ID No : 180924102

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 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	31.12	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	7.61	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	34.93	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	%	27.2	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	37.3	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)	-	7.28	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 °C (1 : 2)	µS/cm	162.6	IS 14767: 2000



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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 : Vallakottai

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

U.L.R. : TC1231024000044650F

Report No. : HECS/PE/024/180924

Sample ID No : 180924102

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.28	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.53	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.92	IS 2720 (Part 22) Section 1 1972
14	Available Potassium	mEq/100g	13.42	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02-07-2020
16	Total Nitrogen as N	%	0.0075	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	9.54	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	8.28	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	6.8	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	18.2	IS 14765: 2000
21	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02-07-2020
22	Phosphorous	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter -

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

End of Report



D.Anusuya
Lab Manager
Authorized Signatory

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Laboratory Services Division

(Chemical & Biological Testing)
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ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Mambakkam
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : Vallakottai
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/024/180924/N
Sample ID No : 180924102
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	147.62	HECS-G/TNS/SOP/042
2	Iron	mg/kg	BLQ(1.000.0.02)	Inhouse method
3	Infiltration Rate	cm/hr	7.34	Inhouse method
4	Moisture	%	8.54	HECS-G/ENV/SSW/SOP/003 Issue No.01 Issue Date:02.07.2020

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

End of Report



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Page : 1 of 2

Name of the Client : M/s. SHPCOT

Address of the Client : Mambakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Kunnam

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000044651F

Report No. : HECS/PE/025/180924

Sample ID No : 180924103

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 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	34.10	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	6.79	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	28.41	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	%	33.2	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	32.8	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	34.0	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.34	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	174.0	IS 14767: 2000

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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 : Kunnam

Sample Reference : NA

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

Sample Location : NA

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

Sampling Method & Plan : ICARDA:2013

U.I.R : TC1231024000044651F

Report No. : HECS/PE/025/180924

Sample ID No : 180924103

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 23/09/2024

Report Date : 23/09/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.28	FAO of United Nations-Rome-2007
12	Organic Carbon	%	0.52	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.92	IS 2720 (Part 22) Section 1 1972
14	Available Potassium	mEq/100g	11.54	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No: 01 Issue Date: 02-07-2020
16	Total Nitrogen as N	%	0.0082	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/l	13.42	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/l	15.26	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	4.5	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	18.8	IS 14765: 2000
21	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No: 01 Issue Date: 02-07-2020
22	Phosphorous	µg/g	5.92	FAO of United Nations, Rome Chapter -

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams 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 & Environment
Sample Name : Soil
Sample Mark : Kunnam
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/025/180924/N
Sample ID No : 180924103
Sampling Date : 18/09/2024
Received Date : 18/09/2024
Commenced Date : 18/09/2024
Completed On : 23/09/2024
Report Date : 23/09/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	158.73	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	4.42	Inhouse method
3	Infiltration Rate	cm/hr	6.28	Inhouse method
4	Moisture	%	7.12	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02-07- 2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilogram ,
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 Noise Levels (Excluding vibration)

Sample Mark : Noise

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0

Sampling Method & Plan : IS 9989:1981

U.L.R : TC1231024000044559F

Report No. : HECS/AP/045/180924

Sample ID No : 180924098

Sampling Date : 18/09/2024

Received Date : 18/09/2024

Commenced Date : 18/09/2024

Completed On : 21/09/2024

Report Date : 21/09/2024

Sample quantity : NA

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	51.2	42.7
2	Anakaputhur	53.9	40.6
3	Santhavellore	49.5	41.2
4	Vallakottai	52.1	43.6
5	Kunnam	48.7	42.4

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.

Remarks:- The noise level meets the requirement of CPCB Limits.
End of Report



Dr. Rajkumar Samuel
Director Technical
Authorized Signatory

அப்துல்கலாம் பெருவிழாவை முன்னிட்டு



முன்னாள் ஜனாதிபதி அப்துல்கலாம் அவர்களின் பிறந்த நாளையினை முன்னிட்டு மலர் அஞ்சலி செலுத்தும்.

ஒரே ஆண்டில் மாநிலங்களை

புதுடெல்லி, ஜூலை 28- இத்தியாவில் ஒரே ஆண்டில் சாலை விபத்துகளில் 1.31 லட்சம் பேர் பலியாகி உள்ளதாக மாநிலங்களை வலையில் மத்திய மந்திரி கூட்காரி தெரிவித்தார்.

1.31 லட்சம் பேர் பலி

நாடாளுமன்ற மாநிலங்களை வலையில் மத்திய சாலை போக்குவரத்து மந்திரி நிதின் கூட்காரி தெரிவித்து மூலம் அளித்த பதிலில் கூறியுள்ள முக்கிய தகவல்கள்:-

★ இத்தியாவில் 2020-ம் ஆண்டில் 3 லட்சத்து 66 ஆயிரத்து 158 சாலை விபத்துகள் நடந்துள்ளன. இவற்றில் 1 லட்சத்து 31

தேசியக்கொடி பறக்கவிட ஏற்பாடு

நன்றாக ஆலோசனை

டன் தேற்று கலந்துகொண்டனர். இதைக் கூட்டத்தில் கற்றுலா, பண்பாடு மற்றும் இந்துசமய அறநிலையத்துறை முதன்மைச் செயலாளர் பிசந்திரமோகன் உடன் இருந்தார்.

தமிழக அரசு அறிவிப்பு

இதற்கிதழ் தமிழக அரசு வெளியிட்ட செய்திக் குறியில் கூறப்பட்டு இருப்பதாவது:-

தமிழக மக்களின் நாட்டுப் பற்றை பறைசாற்றும் விதமாக, தமிழகமெங்கும் இந்த நாட்களில் தேசியக்கொடியை ஏற்று வதற்கு அனைத்து துறைகளையும் ஒருங்கிணைத்து நடவடிக்கை மேற்கொள்வதற்காக தொழில்துறை அமைச்சர் தங்கம் தென்னரசு, அதிகாரிகளுடன் ஆய்வுக் கூட்டம் நடத்தினார்.

அனைத்து வீடுகளிலும் தேசியக்கொடி நிகழ்ச்சியை தமிழகமெங்கும் நாட்டுப்பற்றை பறைசாற்றும் விதமாக பொதுமக்கள் பங்காிப்புடன் கொண்டாடப்படும் வகையில், தேவையான நடவடிக்கைகள் குறித்து அதில் விவாதிக்கப்பட்டது.

ஆகஸ்டு 13 முதல் 15-ஆ தேதி

தெற்கு ரயில்வே

மின்னது ஒப்பந்தப்பள்ளி அறிவிப்பு
எண்: MAS/EGS/ET/18/2022-2023
தேதி: 27.07.2022

1) பணி புறிய விவரம்: கந்திரக்கம் (KANDIRAKKAM) மற்றும் வடகி. 506 (VOCN) இடையே உள்ள புறிய நடைபயணங்களுக்கு மின்னணுக்கம் பணி மேற்கொள்ளும்.

2) மின்னணு ஒப்பந்தப்பள்ளி அறிவிப்பு
எண்: MAS/EGS/ET/18/2022-2023

வரை தமிழகத்தில் அனைத்து வீடுகள், அனைத்து அரசு அலுவலகங்கள், அரசு சார்பு அலுவலகங்கள், அரசு மற்றும் தனியார் பள்ளிகள், அனைத்து கல்வி நிறுவனங்கள், காவல் நிலையங்கள், அரசு மற்றும் தனியார் மருத்துவமனைகள், உணவகங்கள், வணிக வளாகங்கள், அனைத்து தொழிற்சாலைகள் மற்றும் சிறு, குறு நிறுவனங்கள், அனைத்து கடைகள் மற்றும் நிறுவனங்கள், தனியார் அமைப்புகள் ஏன் அனைத்து இடங்களிலும் தேசியக் கொடி ஏற்றப்பட வேண்டும் என்று அமைச்சர் அறிவுரை மற்றும் ஆலோசனைகளை வழங்கினார்.

தேசியக் கொடியை 'செட்'

மேலும், மகளிர் கல்வியைக் குழுகள், சிறு, குறு நிறுவனங்கள் போன்ற அமைப்புகள் மூலம் தேசியக் கொடியைத் தயாரிக்கவும், அனைத்து மக்களுக்கும் தேசியக் கொடியை எளிதாகக் கிடைப்பதற்கும், 'செட்' னாட்டி, நகராட்சி மற்றும் மாநகராட்சி அமைப்புகள், ரேஷன் கடைகள், கூட்டுறவு அமைப்புகள் போன்றவை வழியாக விநியோகிக்கவும், அனைத்து இடங்களிலும் இத்

தெற்கு ரயில்வே

மின்னது ஒப்பந்தப்பள்ளி அறிவிப்பு
எண்: MAS/EGS/ET/18/2022-2023

பணிபுறிய விவரம்: சென்னை கோட்டின் 48 ரயில் நிலையங்களில் வீடுகள் கண்டிப்பாய் தளப்பை (VOCN 506/18/2022-2023) என மேற்கு நிறுவனம் பரிசீலித்து நிறுத்தம் - சென்னை கோட்டின் 48 நிலையங்கள் - இதில் சென்னை செட்டர்ஸ் - ஜெனரல் டி. 5 ஆகவேண்டும் முதல் ரேஷன் டிஸ்பன்சரி 31 நிலையங்கள் மற்றும் சென்னை கோட்டில் - கூடு ரயில் 17 நிலையங்கள் - இதில்

நாட்களில் தேசியக் கொடி வேற்ற பொதுமக்களிடையே உரிய விழிப்புணர்ச்சி ஏற்படுத்தவும் மாவட்ட நிர்வாகத்துடன் ஒருங்கிணைத்து செயல்பட வேண்டும் என்றும் அமைச்சர் கூறினார். www.kalaignar.com

kalaignar.com என்ற வலை தளத்தில் பொதுமக்கள் தேசியக் கொடியுடன் செல்பி எடுத்து பதிவேற்றம் செய்யலாம். இவ்வாறு அதில் கூறப்பட்டு உள்ளது.



தமிழ்நாடு தொழில் முன்னேற்ற நிறுவனம்

19-உ. குகதாணி இலட்சுமிபுரம் சாலை, கழகம்.
தொலை - 600 005, CN 024399781371500382307

தேதி: 27.07.2022

சிப்காட் தொழிற் பூங்கா கற்றுச்சூழல் கிசைவாணை

மாநில கற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையம், தமிழ்நாடு கருத எண்: SEIAA-TN/F.No.7652/EC/8(a)/852/2022, தேதி: 01.07.2022 மூலம் காஞ்சிபுரம் மாவட்டம், ஸ்ரீபெருமபுரம் தாலுகாவில் உள்ள மண்டபாக்கம் கிராமத்தில் "சிப்காட் தொழிற் பூங்கா" அமைப்பதற்கான கற்றுச்சூழல் கிசைவாணை வழங்கியுள்ளது.

கி. வி. வி. கி. சி. வ. அ. ன. யி. ன். மு. மு. வி. வ. ர. ங். க. ன. www.sipcot.in.gov.in என்றும் சிப்காட் கிசைவாணைத்திட்டம், மாநில மாகாண கட்டுப்பாடு வாரியம் மற்றும் மாநில கற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் கிசைவாணைத்திட்டம் பெற்றுக்கொள்ளலாம், மேலும் கி. வி. வி. கி. சி. வ. அ. ன. யி. ன். நகரிலுள்ள சிப்காட் தலைமை அலுவலகத்திலோ அல்லது சிப்காட் திட்ட அலுவலகத்திலோ பெற்றுக்கொள்ளலாம்.

செ. உ. தொ. இ. / 774 / கற்றுச்சூழல் / 2022 மேலாண்மை இயக்குனர்
"மேலாண்மை கட்டுப்பாட்டு கிசைவாணை, கற்றுச்சூழல் கிசைவாணை"



காஞ்சிபுரம் மாவட்ட ஆட்சேர்ப்பு நிலையம்

கட்டுறவுச் சங்கங்களின் இணைப்பதிவாளர் அலுவலகம்,
எண். 8A, வந்தவாசி சாலை,
ஒருங்கிணைந்த கட்டுறவு அலுவலக வளாகம்,
மாவட்ட ஆட்சிபுர அலுவலகம் எதிரில்,
காஞ்சிபுரம்.



மின்னது எண்: 02/2022 நாள்: 25.07.2022

அறிவிப்பு

காஞ்சிபுரம் மண்டலத்தில், கட்டுறவுச் சங்கங்களின் பதிவாளர் கட்டுப்பாட்டில் செயல்படும் காஞ்சிபுரம் மத்திய கட்டுறவு வங்கியில் காலியாக உள்ள 39 அலுவலக உதவியாளர்கள் மற்றும் 5 ஒட்டுநர் பணியிடங்கள் மற்றும் இது கட்டுறவு 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

ailed advertisement can be seen on website
://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) is 16.08.2022

CBC 05208/12/0001/2223



**STATE INDUSTRIES PROMOTION
CORPORATION OF TAMIL NADU LIMITED**
15-A, RUKMANI LAKSHMIAPATHY ROAD, EGMORE,
CHENNAI-600 006. CIN U74999TN191150C005967

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/8(a)/852/2022** dated: 01.07.2022.

The Environmental Clearance (EC) letter can be downloaded from the SIPCOT website 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/774/Display/2022

MANAGING DIRECTOR

"சென்னை சுழட்டு வளப்படுத்தல் கழகம், எம்மோர் (பெரிய ஏரி) அருகில் உள்ளது"

QuoteExpress

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YOU HAVE TO GO AFTER IT WITH A CLUB**

3 JACK LONDON

ENROLMENT NOTICE

After ten days of the publication of this notice and within Three Months thereafter, I, Deepesh Katariya S/o. Chandraprakash Katariya Aged 22 Years Permanently residing at 587/658 T.H.Road Old Washermenpet Chennai 600021 intend having enrolment as an advocate 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. : 6/OTIS/22-25/Spl. Work, dttd. 29.07.2022. E-tenders 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 Dhibighat including construction of road for entry and exit of scrap loaded lorry. Advertised Tender value : Rs. 5,43,54,021.93. Earnest Money : Rs. 4,21,800/- Date of opening : 11.08.2022. Completion period for the work : 18 months. (MISC-129/2022-23) Tender Notices are also available at Website www.e-tendersup.gov.in / www.erp.gov.in

Follow us at : @EasternRailway
Eastern Railway Headquarter

QuoteExpress

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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-upt@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, 1st 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 Lakshmi Pathy 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

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The Newspaper Advertisement copies are enclosed for your kind perusal.

S I P C O T	DESPATCHED	
	12 AUG 2022	
	57	
	S.L. No.	Signature

//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

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

भार. पो. - 54

R. P. 54

प्रेषक काजवर
की नाम मोहर
Name stamp of
office of posting

218122

भारतीय डाक विभाग

DEPARTMENT OF POSTS, INDIA



करोड़-मोहर

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

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MOIPCBE

687

प्रोजेक्ट स्वीकृति (रसीद) ACKNOWLEDGEMENT

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

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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

आर. पी. - 54

R. P. 54

218122

भारतीय डाक विभाग

DEPARTMENT OF POSTS, INDIA



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

18 AUG 2022

CHENNAI - 600 008

संप्रेषण-मोहर



Date Stamp

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

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MGP/CBE

16.5

प्र. 11/ स्वीकृति (इसीद) ACKNOWLEDGEMENT

projects - 1 / Mambaklam / 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.



पाने वाले के हस्ताक्षर / Signature of addressee

SIPCOT - State Industries Promotion

https://sipcotweb.tn.gov.in/Environment_chairman

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33	Theni	Theni	Download
34	Virudhunagar	Virudhunagar	Download
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36	A. Sathanur	Kallakurichi	Download
37	Vaniyamallee	Thiruvallur	Download
38	Varapatti	Coimbatore	Download
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ENCLOSURE

SIPCOT
Govt. of Tamil Nadu

Newsletter Mandatories Map

31°C
PM 3:30

Search

12:11 PM
11/11/2024

**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 282nd 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 242nd SEAC Meeting held on 03.02.2022
5. Minutes of 485th SEIAA Meeting held on 15.02.2022
6. Minutes of 282nd 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 282nd 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

State Industries Promotion Corporation of Tamil Nadu Limited P.T.O.
(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

121

S.No	Query	Reply			
		7	E waste shed	269.00	2.5
		8	Environmental Monitoring	0	0.7
			Total EMP Cost	854.00	20.2
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">• 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.			

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-I)

Copy to:

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



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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



CHIEF ENGINEER (O&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:13.04.2020

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

Sub: CMWSSB - C.E(O&M-II) - S.E(W.W.T&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 Industrial hub located at Irungattukottai, Pillaipakkam, Vallamvadagal, 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, 16.12.2019 & 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, Vallamvadagal, 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 - இலங்கைக்கு
கோட்டை கிராமம் - அங்காட் தொழில் வளாகத்தில் அமைந்துள்ள தொழிற்சாலை
கட்டு-செம்பரம்பாக்கம் ஏரியிலிருந்து ஓடும் மறியம் நிலங்களுக்கு நீர்ப்பாசனம்
பொருள் எஞ்சிய நீர் 5 மில்லியன் கன அடங்கு நீர் - வழங்குதல் - ஆணை வெளியிடப்
படுகிறது.

பொருள் (பிரச்சாரம்)

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 ஓடின் வழங்குதலை கமிட்டி என். பி.பி. 1/5250/96,
தாள்: 24.12.1996.

பாரிஸ் 1ல் கட்ட கமிட்டியில் அங்காட், மேலாண்மை இயக்குநர் இலங்கை
கோட்டை கிராமம் - அங்காட் தொழில் வளாகத்தில், அங்கு அமைந்துள்ள - உருட்டாய்
காரி தொழிற்சாலைக்கு தேவையான 1.1 மில்லியன் கன அடங்கு நீர் உட்பட
மொத்தம் சுமார் 10 மில்லியன் கன அடங்கு நீர் தேவை எந்த கோட்டுக் கொண்டுள்ளது.

2. பாரிஸ் 2ல் கட்ட கமிட்டியில் தலைமைப்பொறியாளர் நீர் வள
ஆதார அமைப்பு சென்னை மண்டலம் மறியம் கிருஷ்ணா ஓடின் வழங்குதல் திட்டம்,
கட்டிட காலக்காலில் செம்பரம்பாக்கம் ஏரியில் உள்ள நீர் நிலை ஒரே சீராக
இருந்ததில்லை என்பது, நீர் கொள்ளளவு 1980ம் ஆண்டு 711 மில்லியன் கன அடியாக
வும், 1992ம் ஆண்டு 485 மில்லியன் கன அடியாகவும் 1996ம் ஆண்டு 2401
மில்லியன் கன அடியாகவும் இருந்ததென, குறிப்பிட்டுள்ளார். மேலும் பதிவு செய்யப்
பட்டுள்ள 13,223 ஏக்கர் வரிகளில் தற்போது விவசாயம் செய்யப்பட்டு வரும்
9800 ஏக்கர் நிலங்களுக்கு நீர்ப்பாசனம் செய்தாக வேண்டும் என்ற நிலை உள்ளது
என்பது குறிப்பிட்டுள்ளார். மேலும் இத்தொகு சென்னை மாநகருக்கு இடிக்கி
வசதியும் செம்பரம்பாக்கம் ஏரியிலிருந்து வழங்க வேண்டியிருப்பதால் நீர் இருப்பை
கருத்தில் கொண்டு தாள் தனிக் வழங்க வேண்டும் என்ற குறிப்பிட்டுள்ளார்.

3. தலைமைப்பொறியாளர் (சென்னை மண்டலம் மறியம் கிருஷ்ணா
ஓடின் வழங்குதல் திட்டம்) உட்கமிட்டி கமிட்டிக்கு அங்காட் அங்காட் தொழில்
வளாகத்திற்குச் செயற்குறிப்பை அரசு பரிசீலித்தது.

செம்பரம்பாக்கம் ஏரியில் நீர் இருப்பிற்கான, பதிவு செய்யப்
பட்ட வரிகளில் பதிவுகளுக்கான தேவையான தனிக் மறியம் சென்னை நகருக்கு
கிருஷ்ணா ஓடின் பூரித்த செய்து நீர் செம்பரம்பாக்கம்



/உயிர/

புள்ளியில் அங்காட் அங்காட் அங்காட்
கிராமம் அங்காட்.

21/4

21/4 SE

21/4

Madam,
Sewer
Chairman

ARE.

Pl. Send a copy of this to
SIPWAT, GM (Tirumala)
for information.

21/4

ஏற்பட்டது. நான் ஒட்டுக்கு 5 பீஸ்கள் என ஒரு சிப்போட் தொழில்
வளாகத்திற்கு வழங்குவதற்கு அரசு உடனடி நடவடிக்கை மேற்கொண்டது. மேற்கண்ட வளாகத்தின்
நிறுவனத்திற்கு, சிப்போட் தொழில் வளாகத்திற்கு பொதுப்பணித்துறையின் புதிய
நிபந்தனைகளுக்கு உட்பட்டு ஒப்பந்தத்தில் கையொப்பப்பட்ட பின்னர் தான்
வழங்க வேண்டும் எனத் தவணைப்பொறுதியாகக் கொடுக்கப்பட்டது. மற்றும்
சிபுல்டா குடிநீர் வழங்கல் திட்டம் அங்கீகரிக்கப்படுகிறது.

(ஆளுநர் துணைப்பல)

செ.பி. குப்பா,
அரசின் செயலர்.

பெருநர்:

தவணைப்பொறுதியாகக் கொடுக்கப்பட்டது,
நீர்வள ஆதார துணைப்பல, சென்னை.5.

தவணைப்பொறுதியாகக் கொடுக்கப்பட்டது,
நீர்வள ஆதார துணைப்பல,
சென்னை மண்டலம் மற்றும் சிபுல்டா குடிநீர்
மற்றும் வழங்கல் துறை,
✓ மேலாண்மையுடையது,
தமிழ்நாடு தொழில் வளர்ச்சி துறை,
19 ஏ. குடியிருப்பு வசதி துறை,
எழும்பூர், சென்னை.8.
கொண்ட சட்டியர், துணை மாண்புமிகு.

நகல்:

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

/ஆளுநர்/அங்கீகரிக்கப்பட்டது/

பி. ச. சுவாமிநாதன்
புதிது சென்னை 3/4/97

SIPCOT – MAMBAKKAM MONITORING PHOTOGRAPH

AMBIENT AIR QUALITY MONITORING PHOTOGRAPH:

PROJECT AREA



SANTHAVALLORE



ANAKAPUTHUR



VALLAKKOTTAI








18-09-2024

KUNNAM








18-09-2024

NOISE MONITORING PHOTOGRAPH

PROJECT SITE	SANTHAVALLORE
 <p>18-09-2024</p>	 <p>18-09-2024</p>
ANAKAPUTHUR	VALLAKKOTTAI
 <p>18-09-2024</p>	 <p>18.09.2024</p>
KUNNAM	
 <p>18-09-2024</p>	

SOIL SAMPLING PHOTOGRAPH

PROJECT SITE	SANTHAVELLORE
 <p>18-09-2024</p>	 <p>18-09-2024</p>
ANAKAPUTHUR	VALLAKKOTTAI
 <p>18-09-2024</p>	 <p>18-09-2024</p>
KUNNAM	
 <p>18-09-2024</p>	

GROUND WATER SAMPLING PHOTOGRAPH

NEAR ANAKAPUTHUR	NEAR VALLAKKOTTAI
 <p data-bbox="589 835 737 869">18-09-2024</p>	 <p data-bbox="1256 835 1406 869">18-09-2024</p>
NEAR KUNNAM	
 <p data-bbox="922 1579 1070 1610">18-09-2024</p>	

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 242nd SEAC meeting held on 03.02.2022.
3. Minutes of 485th 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.

பெட்ரோனெட் டிசைமினாட்டர் பாதைகள் மீது
சாத்தனா இயக்குதல் அனுமதிக்கப்பட்ட
(ப.சி.பி.எ. 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 Lakshminpathy Road, Post Box No.7223, Egmore, Chennai - 600 008.
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 242nd 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 485th 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

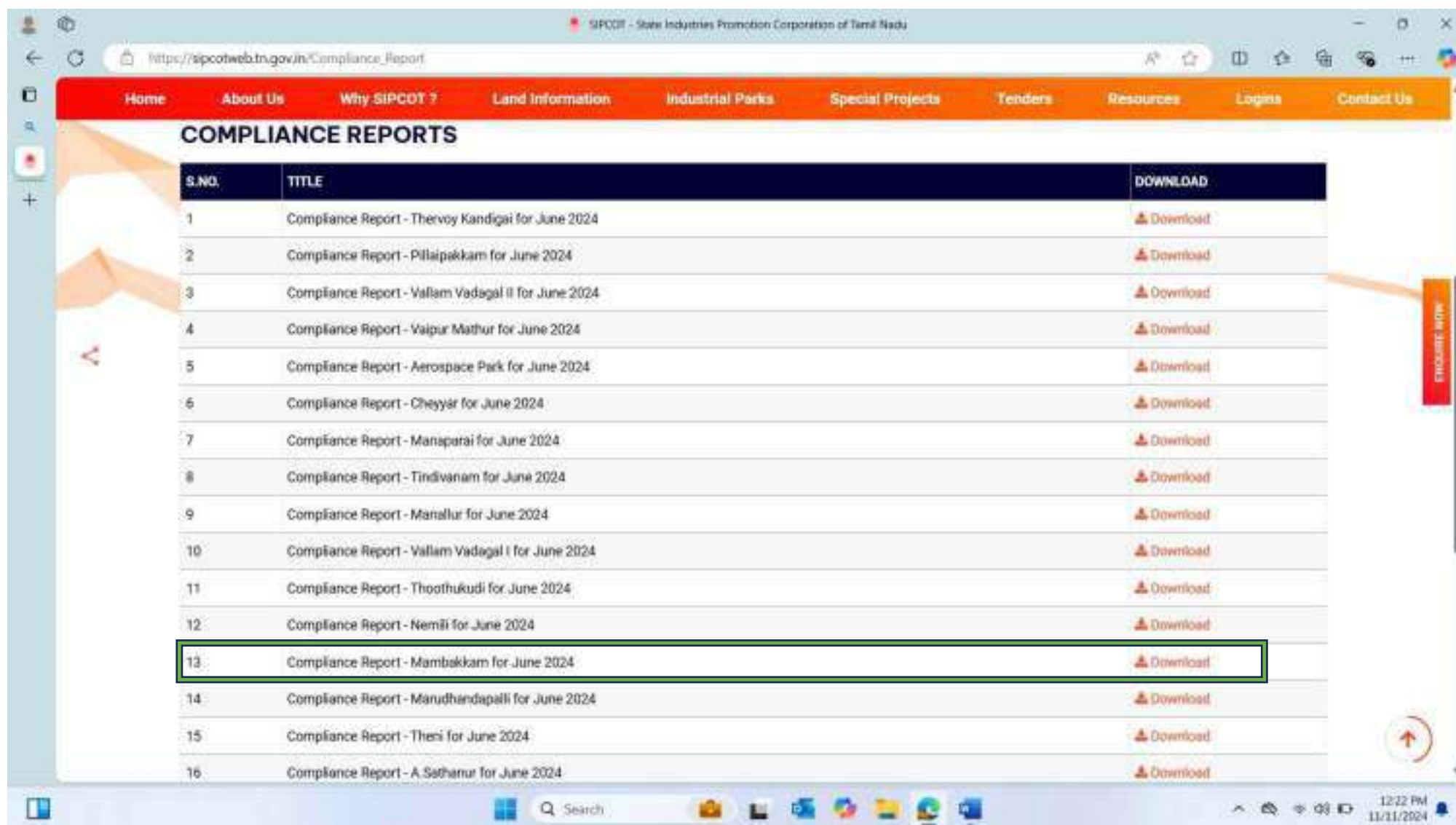
Encl: As above.

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

Annexure 12



SIPCOT - State Industries Promotion Corporation of Tamil Nadu

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COMPLIANCE REPORTS

S.NO.	TITLE	DOWNLOAD
1	Compliance Report - Thervoy Kandigai for June 2024	Download
2	Compliance Report - Pillaipakkam for June 2024	Download
3	Compliance Report - Vallam Vadagal II for June 2024	Download
4	Compliance Report - Vaipur Mathur for June 2024	Download
5	Compliance Report - Aerospace Park for June 2024	Download
6	Compliance Report - Cheyyar for June 2024	Download
7	Compliance Report - Mansarai for June 2024	Download
8	Compliance Report - Tindivanam for June 2024	Download
9	Compliance Report - Manallur for June 2024	Download
10	Compliance Report - Vallam Vadagal I for June 2024	Download
11	Compliance Report - Thoothukudi for June 2024	Download
12	Compliance Report - Nemli for June 2024	Download
13	Compliance Report - Mambakkam for June 2024	Download
14	Compliance Report - Manudhindapalli for June 2024	Download
15	Compliance Report - Theni for June 2024	Download
16	Compliance Report - A.Sathanur for June 2024	Download

Enquire Now

12:22 PM 11/11/2024

12	Compliance Report - Nedumkudam for June 2024	Download
13	Compliance Report - Mambakkam for June 2024	Download
14	Compliance Report - Marudhandapalli for June 2024	Download
15	Compliance Report - Theri for June 2024	Download
16	Compliance Report - A.Sathanur for June 2024	Download
17	Compliance Report - Nedumpuli for June 2024	Download
18	Compliance Report - Virudhunagar for June 2024	Download
19	Environmental Statement for the Financial Year - 2023 - 2024	Download



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EGMORE, CHENNAI - 600 008.

044-45261777

tapals@sipcot.in



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Map





SIPCOT

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 31st 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 31st March 2024.

Yours faithfully,

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 Lakshmiipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.

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