

# **HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT**

**For the Period of April 2024 to September 2024**

**For**

**“Proposed Development of SIPCOT Industrial Park at  
Thappukundu, Poomalaikundu and Upparpatti villages of  
Theni Taluk, Theni District, Tamil Nadu**

EC obtained vide Letter No. SEIAA – TN/F.No.8344/EC /8(b)/866/2022 dated: 25.08.2022

**Submitted by**



**M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD  
19/A, Rukmani Lakshmipathy Road,  
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**Prepared by**



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**November 2024**

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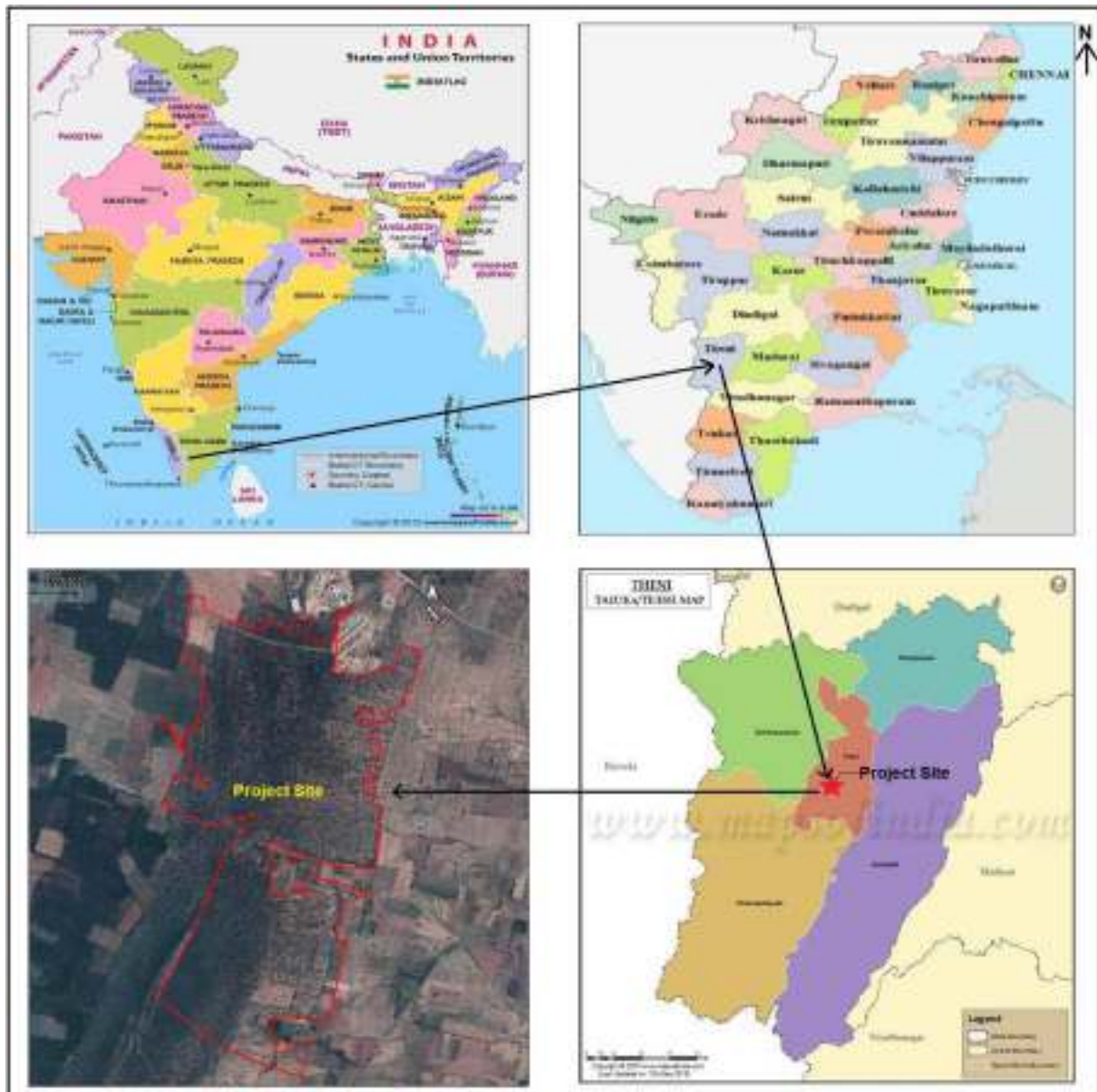
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## 1.0 PROJECT DETAILS

Name of the Project	“Development of Industrial Park”
Name of the Proponent	M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)
Location	Thappukundu, Poomalaikundu, Upparpatti Villages, Theni Taluk, Theni District, Tamil Nadu
EC. No	EC22B039TN138224 dated 21.09.2022 SEIAA Letter No. SEIAA-TN/F.No/8344/EC/8(b)/866/2022 dt.25.08.2022 (EC copy enclosed as <b>Annexure 1</b> )
Total Extent	189.39 Hectares (467.97 acres)
Water Requirements	Fresh water: 2576 KLD Recycled water: 1642 KLD Total water requirement: 4218 KLD Source: Fresh water -TWAD Board (Mullaiperiyar River) (TWAD Water supply letter is enclosed as <b>Annexure 8</b> )
Project Cost	Rs.469.18 Crores
Power Requirement	21 MVA from TANGEDCO

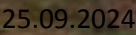
## 2.0 LOCATION MAP



### 3.0 SITE PHOTOGRAPH







## 4.0 SIX MONTHLY ENVIRONMENTAL CLEARANCE

### COMPLIANCE STATEMENT

#### **SEAC Specific Condition:**

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The water body such as odai present in the proposed site shall be maintained properly.	<b>Condition will be complied.</b> Water bodies shall be maintained as is where
2.	The Project proponent shall obtain the necessary permission from the competent Authority for utilization of OSR area for green belt development before applying CTO from TNPCB.	<b>Condition complied.</b> Government of Tamil Nadu vide G.O. (Ms) No. 157 dated 28.08.2017 has permitted SIPCOT to use OSR.
3.	The Project proponent shall obtain the necessary permission from the competent Authority for the drawl of water from Mullai Periyar River before applying CTO from TNPCB.	<b>Condition will be complied.</b>
4.	The Proponent shall ensure that no schedule A & B industries as per EIA Notification 2006, shall be allowed in the industrial Park as committed.	<b>Condition will be complied.</b>
5.	Individual industries shall be advised to retain the trees if possible. In case of removal of trees, the industries shall be required to plant 10 trees for every tree that is cut.	<b>Condition will be complied.</b>
6.	The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.	All the member units will be instructed to adopt Zero Liquid Discharge system and the treated water to be reused for their process and utilities.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
7.	The height of the stacks of DG sets shall be provided as per the CPCB norms.	<b>Condition noted.</b> All the member units will be instructed to comply with.
8.	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.	All the member units will be instructed to follow all necessary rules and guidelines.
9.	The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.	<b>Condition will be complied.</b> All the member units will be instructed to comply with.
10.	The purpose of Green belt around the project is to capture the fugitive emissions 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. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. 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 and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,	<b>Condition will be complied.</b> Overall greenbelt of minimum 33% will be provided with native and indigenous species.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
11.	The project proponent shall provide entry and exit points for the OSR area as per the norms for the public usage and as committed.	<b>Condition noted.</b>
12.	The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.	<b>Condition will be complied.</b>
13.	The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Trans boundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.	All the member units will be instructed to follow necessary rules and guidelines.
14.	No waste of any type to be disposed of in any other way other than the approved one.	<b>Condition noted.</b> All the member units will be instructed to follow necessary rules and guidelines.
15.	The Proponent shall ensure that all the units provide dispenser for the disposal of sanitary napkins.	<b>Condition will be complied.</b>
16.	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.	All the member units will be instructed to comply with.
17.	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.	<b>Condition will be complied.</b>
18.	The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health	<b>Condition noted.</b>

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	of construction workers during COVID and post – COVID period.	
19.	Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.	<b>Condition noted.</b>
20.	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 adhere EMP.	<b>Condition noted.</b>
21.	As accepted, the PP shall remit Rs 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni, to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.	<b>Condition complied.</b> CER Fund Transferred to Deputy Director, Megamalai Division is enclosed as <b>Annexure – 12.</b>

### **SEIAA Additional conditions:**

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	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.	<b>Condition noted.</b>
2.	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 the land. Water Bodies within the site shall be maintained as is where is condition.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
3.	The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.	<b>Condition noted.</b>
4.	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.	All the member units will be instructed to have ETP with ZLD for treatment of wastewater and to reuse the treated water as per the norms.
5.	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.	<b>Condition will be complied.</b> All the member units will be instructed to have their own STP/ETP for treatment of wastewater and to reuse the treated water as per the norms.
6.	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.	All the member industries will be instructed to follow necessary rules and guidelines.
7.	The project proponent shall ensure that non- EIA attracting Industries to be in-housed shall provide elevated STP/ETP of adequate capacity	All the member units will be instructed to comply with all applicable rules and guidelines.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	& 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.	
8.	The project proponent and the industries shall provide 33% green belt area excluding the OSR area.	<b>Condition will be complied.</b> Overall 33% of greenbelt will be developed as committed.
9.	Forest department should be consulted during plantation and cutting of trees.	<b>Condition will be complied.</b>
10.	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.	All the member units will be instructed to have their own STP/ETP for treatment of wastewater and to reuse the treated water as per the norms.
11.	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.	<b>Condition will be complied.</b> All the member units will be instructed to follow the same.
12.	The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.	<b>Condition will be complied.</b>
13.	The project proponent shall obtain necessary permission for disposal of excess storm water from the competent authority before obtaining CTO.	<b>Condition will be complied.</b>
14.	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	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.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	standards prescribed by the CPCB at all times.	
15.	The proponent & the Industries to be in-house 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.	<b>Condition noted.</b> All the member units will be instructed to follow applicable rules and guidelines.
16.	The project proponent & the Industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.	<b>Condition noted.</b> All the member units will be instructed to follow applicable rules and guidelines.
17.	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.	Truck parking facility will be provided within the Industrial Park. Individual industries will provide parking facility within their plot.
18.	The project proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.	<b>Condition noted.</b>
19.	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 from time to time as guidance of competent authority.	<b>Condition will be complied.</b> All the member units will be instructed to follow the applicable rules and guidelines.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
20.	The proponent & the Industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.	<b>Condition will be complied.</b> All the member units will be instructed to follow the applicable rules and guidelines.
21.	The proponent & the Industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.	<b>Condition will be complied.</b> All the member units will be instructed to follow the applicable rules and guidelines.
22.	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.	All the member units will be instructed to follow applicable rules and guidelines.
23.	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.	<b>Condition will be complied.</b> All the member units will be instructed to follow applicable rules and guidelines.
24.	The proponent & the Industries to be in-housed shall ensure proper arrangement & utilization of recycled water.	All member industries will be instructed to reuse the treated wastewater as per the norms.
25.	The proponent & the Industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.	<b>Condition noted.</b>
26.	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.	<b>Condition noted.</b>
27.	All the Buildings shall be energy efficient and confirm to the green building norms.	All the member units will be instructed to follow applicable rules and guidelines.
28.	The proponent & the Industries to be in-housed shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb	<b>Condition noted.</b> All the member units will be instructed to follow the applicable rules and

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	under any circumstances.	guidelines.
29.	The proponent & the Industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.	<b>Condition noted.</b>
30.	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 units will be instructed to follow the applicable rules and guidelines.
31.	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 units will be instructed to follow the applicable rules and guidelines.
32.	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.	<b>Condition will be complied.</b>
33.	The proponent & the Industries to be in-housed shall ensure to provide the emergency exit in the buildings.	All the member units will be instructed to follow the applicable rules and guidelines.
34.	The proponent & the Industries to be in-house shall ensure to provide elevator as per rules CMDA/DTCP.	<b>Condition will be complied.</b> All the member units will be instructed to follow the applicable rules and
35.	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.	<b>Condition will be complied.</b> All the member units will be instructed to follow the same.
36.	The proponent & the Industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.	All the member units will be instructed to follow applicable rules and guidelines.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
37.	The project proponent & the Industries to be in-housed shall adhere to storm water management plan as committed.	<b>Condition noted.</b> Storm water drains will be provided all along the internal road.

**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 on.	<b>Condition noted.</b> Construction will be carried out as per the layout 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.	<b>Condition noted.</b>
4.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and	<b>Condition noted.</b> All the member units will be instructed to obtain all necessary statutory clearances and approvals.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.	Consent to Establish obtained from TNPCB and the copy of CTE is attached as <b>Annexure-2</b> .
5.	The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.	<b>Condition noted.</b>
6.	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	<b>Condition noted.</b>
7.	The environmental statement for each financial year ending 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.	Condition complied. Form V Acknowledgement copy is attached as <b>Annexure – 10</b> . The screenshot of EC compliance report uploaded in the company website is attached as <b>Annexure -11</b> .
8.	The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	<b>Condition noted.</b>
9.	"Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA,	<b>Conditions complied.</b> Consent to Establish obtained from TNPCB and the copy of

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	Tamil Nadu.	CTE is attached as <b>Annexure-2</b> .
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.	<b>Condition noted.</b> There is no change in the scope of project.
11.	The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & 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.	SIPCOT shall comply with all applicable conditions specified in the EC.
12.	The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.	<b>Condition noted.</b>
13.	Failure to comply with any of the condition mentioned above may result in withdrawal of this clearance and attract action under the provision of the Environment (Protection) Act, 1986.	SIPCOT shall comply with all applicable conditions specified in the EC.
14.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically.	<b>Condition will be complied.</b>

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	It shall simultaneously be sent to the Regional Office of MOEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.	
15.	The SEIAA, TN may cancel the Environmental Clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the Environmental Clearance.	<b>Condition noted.</b>
16.	The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.	<b>Condition noted.</b>
17.	The SEIAA, TN may alter/modify the above condition in the interest of environmental protection, even during the subsequent period.	<b>Condition noted.</b>
18.	The Environmental Clearance does not absolve the applicant/ proponent of his obligation/ requirement to obtain other statutory and administration clearances from other statutory and administrative authorities.	<b>Condition noted.</b>
19.	Where the trees need to be cut, compensation	<b>Condition noted.</b>

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	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.	
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><b>Condition complied.</b></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 <b>Annexure - 3.</b></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.	<b>Condition noted.</b>
22	The Project proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.	<b>Condition noted.</b>
23.	The project activity should not cause any disturbance & deterioration of the local bio diversity.	<b>Condition noted.</b>
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.	<p><b>Condition will be complied.</b></p> <p>Surface water quality monitoring report is enclosed as <b>Annexure - 4.</b></p>

S.NO	CONDITIONS	STATUS OF COMPLIANCE
25.	All the assessed flora & fauna should be conserved and protected.	<b>Condition noted.</b>
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.	<b>Condition will be complied.</b> All the member units will be instructed to follow applicable rules and guidelines.
27.	Necessary permission shall be obtained from the competent authority for the drawl /outsourcing of fresh water before obtaining consent from TNPCB.	<b>Condition will be complied.</b>
28.	The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment plant).	STP is not proposed by SIPCOT. Individual industries will comply with.
29.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.	<b>Condition will be complied.</b>
30.	All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	<b>Condition noted.</b>
31.	No waste of any type to be displayed of in any watercourse including drains, canals and the surrounding environment.	<b>Condition noted.</b> All the member units will be instructed to comply with.
32.	Traffic congestion near the entry and exist points from the roads adjoining the proposed project site must be avoided.	<b>Condition noted.</b>
33.	The safety measures proposed in the report should be strictly followed.	<b>Condition noted.</b>

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

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that copy of the clearance letter is available with the state pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA- TN.	<b>Condition complied.</b> Newspaper advertisement copy is enclosed as <b>Annexure - 5.</b>
2.	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation	<b>Condition noted.</b> There is no change in the scope of project.
3.	A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.	<b>Condition complied.</b> Acknowledgement copy from local bodies for submission of clearance letter is enclosed as <b>Annexure – 6.</b> The Screen shot of EC copy uploaded in the website is attached as <b>Annexure – 7.</b>

S.NO	CONDITIONS	STATUS OF COMPLIANCE
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.	<b>Condition will be complied.</b> 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.	<b>Condition noted.</b> All the member units shall comply with.
6.	Design of building should be in conformity with the Seismic Zone Classifications.	<b>Condition will be complied.</b> 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.	Construction will be carried out as per the layout approval.
8.	No construction activity of any kind shall be taken up in the OSR area.	<b>Condition noted.</b>
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.	<b>Condition will be complied.</b> 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	Condition is not applicable. Proposed

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.	project is development of Industrial Park.
12.	The project proponent shall ensure the entry of basement shall be above maximum flood level.	<b>Condition noted and will be complied.</b> All the member units will be instructed to comply with.
13.	The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details 1. Location of STP, compost system, underground sewer line 2. Pipe Line conveying the treated effluent for green belt development 3. Pipe Line conveying the treated effluent for toilet flushing 4. Water supply pipeline 5. Gas supply pipe line, if proposed 6. Telephone cable 7. Power cable 8. Storm water drains, and 9. Rain water harvesting system, etc., and it shall be made available to the owners.	<b>Condition as applicable will be complied.</b>
14.	A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.	<b>Condition will be complied.</b> Member units shall comply with.
15.	The present land use surrounding the project site shall not be disturbed at any point of time.	<b>Condition will be complied.</b>
16.	The green belt area shall be planted With indigenous native trees.	<b>Condition will be complied.</b> Greenbelt will be developed with indigenous native species.

S.NO	CONDITIONS	STATUS OF COMPLIANCE
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.	<b>Condition noted.</b>
18.	During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.	<b>Condition will be complied.</b>
19.	The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.	<b>Condition noted.</b>
20.	There should be Fire fighting plan and all required safety plan.	<b>Condition will be complied.</b> All the member units will be instructed to comply with.
21.	Regular fire drills should be held to create awareness among owners/ residents.	All the member units will comply with.

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

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	<b>Construction Schedule:</b>	
	(i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.	<b>Condition noted.</b>
2.	<b>Labour Welfare:</b>	
	i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.	<b>Condition noted.</b> All the member units will be instructed to comply with.

	<p>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.</p>	<p><b>Condition noted.</b> All the member units will be instructed to follow applicable rules and guidelines.</p>
	<p>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.</p>	<p><b>Condition noted.</b> All the member units will be instructed to comply with.</p>
3.	<b>Water Supply:</b>	
	<p>i) The entire water requirement during construction phase may be met from private tankers.</p>	<p><b>Condition will be complied.</b></p>
	<p>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.</p>	<p><b>Condition noted.</b></p>
	<p>iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water</p>	<p><b>Condition will be complied.</b> All the member units shall comply with.</p>

	shall be through 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 premixed concrete, curing agents and other best practices prevalent.	<b>Condition noted.</b> 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.	<b>Condition noted.</b> All the member units shall comply with.
4.	<b>Solid Waste Management:</b>	
	i) In the solid waste management plan, the STP sludge management plan for direct use as manure, gardens is not acceptable; it must be co-composted with biodegradables.	<b>Condition noted.</b> 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.	Condition not applicable. Since the proposed project is infrastructure development only
	iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and solid waste management rules 2016.	<b>Condition will be complied.</b> 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.	<b>Condition will be complied.</b> 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.	<b>Condition will be complied.</b> All the member units will be instructed to follow applicable rules and guidelines.

5.	<b>Top Soil Management:</b>	
	i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	<b>Condition noted.</b> All the member units shall comply with.
6.	<b>Construction Debris disposal:</b>	
	i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people, The construction and demolition waste shall be managed as per Construction & Demolition Waste Management rules, 2016.	<b>Condition will be complied.</b> All the member units will be instructed to comply 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.	<b>Condition will be complied.</b> All the member units will be instructed to comply with.
7.	<b>Diesel Generator sets:</b>	
	i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.	<b>Condition will be complied.</b> 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,	<b>Condition noted.</b> All the member units shall be instructed to obtain necessary approvals.

	clearance from Chief Controller of explosives shall be taken.	
	iii) The acoustic enclosures installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.	<b>Condition will be complied.</b> All the member units shall comply with.
8.	<b>Air &amp; Noise Pollution Control:</b>	
	i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.	<b>Condition will be complied.</b> All the member units 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.	<b>Condition noted.</b> Individual industries will be instructed to comply with their statutory approvals / clearances. Ambient Air and Noise Monitoring Reports are enclosed as <b>Annexure - 4</b> .
	iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per DTCP norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning	<b>Condition will be complied.</b>
	iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.	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.	<b>Condition noted.</b> All the member units will be instructed to comply with.
9.	<b>Building material:</b>	
	i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.	<b>Condition noted.</b> 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.	<b>Condition noted.</b> 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.	<b>Storm Water Drainage:</b>	
	i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.	Storm water will be provided all along the internal road. All the member industries will be instructed to follow applicable rules and guidelines.
	ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.	<b>Condition noted.</b>
11.	<b>Energy Conservation Measures:</b>	

	i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.	All the member units will be instructed to follow applicable rules and guidelines.
	ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.	All the member units will be instructed to follow applicable rules and guidelines.
	iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.	All the member units will be instructed to follow applicable rules and guidelines.
	iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.	<b>Condition noted.</b> 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.	<b>Condition will be complied.</b> All the member units shall comply with.

12.	<b>Fire Safety:</b>	
	i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.	<b>Condition noted and will be complied.</b> 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.	<b>Condition noted and will be complied.</b> All the member units will be instructed to comply with.
13.	<b>Green Belt Development:</b>	
	i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.	<b>Condition will be complied.</b>
	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.	<b>Condition will be complied.</b> 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.	<b>Condition noted.</b> Overall greenbelt of minimum 33% will be developed as per the layout approval.
14.	<b>Sewage Treatment Plant:</b>	
	i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is	<b>Condition noted.</b> All the member units will be instructed to follow applicable rules and guidelines.

	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.	All the member units will be instructed to follow applicable rules and guidelines.
	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.	<b>Rain Water Harvesting:</b>	
	i) The proponent shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.	<b>Condition noted.</b> All the member units will be instructed to comply with.
	ii) Rain water harvesting for surface run- off, as per plan submitted should be	<b>Condition noted.</b> All the member units will be instructed to comply with.

	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.	<b>Condition noted.</b> 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.	<b>Condition noted.</b>
16.	<b>Building Safety:</b>	
	Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.	All the member units will be instructed to follow applicable rules and guidelines.

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

Not Applicable – Since the project is under construction phase.

## **5.0 ENVIRONMENTAL MONITORING DETAILS**

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

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

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

### **5.3 Soil Quality Monitoring**

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

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

The ground water samples were collected and analysed during the period of April 2024 to September 2024. The test report of ground water samples is attached as **Annexure – 4**.

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

The surface water samples were collected and analysed during the period of April 2024 to September 2024. The test report of surface water samples 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 Lakshmiipathy 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/75113/2021 dated 13 Apr 2022. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | <b>EC22B039TN138224</b>  |
| 2. File No.                                | 8344   |
| 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 SIPCOT Industrial Park-Theni over an extent of 189.39 Ha (467.97 Acres) |
| 7. Name of Company/Organization            | STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED (SIPCOT)                   |
| 8. Location of Project                     | Tamil Nadu   |
| 9. TOR Date                                | 05 Jul 2021  |

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

Date: 21/09/2022

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

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

*This is a computer generated cover page.*

PARIVESH

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





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

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

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

**ENVIRONMENTAL CLEARANCE (EC)**

**Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated:25.08.2022**

Sir/Madam,

Sub: SEIAA, TN - Environmental Clearance - Proposed Development of Industrial Park over an extent of 189.39 Ha (467.97 Acres) at S.F. Nos. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.F.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village & S.F.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of Upparpatti Village, Theni Taluk, Theni District, Tamil Nadu under Schedule B - 8(b)-Townships and Area Development Projects - for Environmental Clearance by M/s. State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT) as per the EIA Notification 2006 as Amended- Issued - Regarding.

- Ref: 1. TOR vide Lr No. Lr No. SEIAA-TN/F.No. 8344/ SEAC/8(b)/ToR-987/2021 dated:05.07.2021
2. Online Proposal No. SIA/TN/MIS/75113/2021, dated: 13.04.2022
3. Your application for Environmental Clearance dated: 20.04.2022
4. Minutes of the 299<sup>th</sup> meeting of SEAC held on 23.07.2022
5. Minutes of the 544<sup>th</sup> meeting of Authority held on 25.08.2022

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**MEMBER SECRETARY  
SEIAA-TN**

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

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

**Annexure I**

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	S.F.No.10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.F.Nos.1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village & S.F.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of Upparpatti Village, Theni Taluk, Theni District, Tamil Nadu
3.	Type of Project	Townships and area development Projects Schedule 8 (b): >1,50,000 sq.
4.	Total Plot Area : 189.39 Ha (467.977 Acres)	
Area break up		Acres Ha %
Plot area		279.62 113.15 60.76
Common amenities (Project office, Health centre, Fire station, training centre etc)		6.16 2.49 1.34
Commercial activities (shops, bank, STM, Food court, restaurant etc.)		14.19 5.74 3.08
Utility (EB, water supply, water		12.37 5.01 2.69

	treatment plant etc.)			
	Solid waste Management area	4.11	1.67	0.89
	Logistics/ Parking	12.95	5.24	2.82
	OSR (10% after deduction of road area 460.19-66.92 =393.27 x10% =39.33 Acres)	39.33	15.92	8.55
	Green belt in other areas	22.79	9.23	4.95
	Road, Storm water drain	66.92	27.08	14.54
	Industrial Housing	1.75	0.71	0.38
	<b>Total Developable area</b>	<b>460.19</b>	<b>186.24</b>	<b>100</b>
	Existing cartrack	0.73	0.30	
	Water body (as per revenue records)	2.43	0.98	
	HT line (22 m ROW -110 kV)	4.62	1.87	
	<b>Total</b>	<b>467.97</b>	<b>189.39</b>	
*Industries will be mandated to provide 33% of green belt within their premises. Total green belt proposed for Industrial Park is 62.48 Ha (33.55 %) of Developable area of 186.24 Ha.				
5.	Brief description of the project	1. The Industrial Park is envisaged to accommodate the following industries which do not fall under "A" & "B" category as per EIA notification 2006 and amendments thereof. Type of industries proposed are given below		
		<b>Industry Type</b>	<b>Approximate % of plotted area</b>	
		Food Industries- Baked goods and fruit based Pulp, paste, jam, Dhal processing, milk chilling, dry fruit & cardamom processing, baked food products, coffee processing etc.	43	
		Textile – Readymade garments and apparel manufacturing RMG, surgical cotton, buildtech, seri culture, banana silk etc.	24	
		Engineering - Metal Fabrication industries etc.	3	
		Mineral products - cutting and polishing of marble stones, Emery powder manufacturing, Granite	5	

  
 MEMBER SECRETARY  
 SEIAA-TN

		processing, ceramic etc.																					
		Other non EC category industries – MSME support industries such as auto components & machinery, packaging industries, rubber products like mats & gloves, bio fertilizers, etc.	25																				
		Industrial Housing (1.75 acres) 3 Blocks of stilt+16 floors of 96 nos of 2BHK units are proposed. Total builtup area proposed is 15140Sq.m. total no of residents 480	Housing area is separated from Industrial plots.																				
		<b>Total</b>	<b>100</b>																				
6.	Cost of Project	Rs.469.18 Crores																					
7.	a) Water requirement: Construction phase: 60 kLD <u>Operation phase:</u> Total water requirement: 4218 kLD from TWAD Board (Mullaiperiyar River) Fresh water: 2576 kLD Recycled water: 1642 kLD (Treated Effluent: 850 kLD and Treated Sewage: 792 kLD) <table><tr><th>Water Usage</th><th>Fresh water (KLD)</th><th>Recycled water (KLD)</th><th>Total water(KLD)</th></tr><tr><td>Domestic</td><td>854</td><td>22</td><td>876</td></tr><tr><td>Process&amp; utilities</td><td>305</td><td>850</td><td>1155</td></tr><tr><td>Green belt development</td><td>1417</td><td>770</td><td>2187</td></tr><tr><td><b>Total</b></td><td><b>2576</b></td><td><b>1642</b></td><td><b>4218</b></td></tr></table>			Water Usage	Fresh water (KLD)	Recycled water (KLD)	Total water(KLD)	Domestic	854	22	876	Process& utilities	305	850	1155	Green belt development	1417	770	2187	<b>Total</b>	<b>2576</b>	<b>1642</b>	<b>4218</b>
Water Usage	Fresh water (KLD)	Recycled water (KLD)	Total water(KLD)																				
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<b>Total</b>	<b>2576</b>	<b>1642</b>	<b>4218</b>																				
	b) Source	TWAD Board (Mullaiperiyar River)																					
8.	Waste Water management : <table><tr><td>Sewage from industries</td><td>730</td><td>Will be treated by individual industries and reused for flushing green belt development.</td></tr></table>			Sewage from industries	730	Will be treated by individual industries and reused for flushing green belt development.																	
Sewage from industries	730	Will be treated by individual industries and reused for flushing green belt development.																					

	sewage from industrial housing	62	Will be treated in STP of 70 KLD and treated sewage will be used for flushing within the housing and excess will be sent for green belt development within the Industrial Park.
	Effluent from individual industries	860	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		
	<b>Component</b>	<b>Operation phase(Kg/day)</b>	<b>Disposal Method</b>
	MSW Organic waste	4899	Individual industries will segregate the waste and organic waste will be composted and used as manure for green belt development. Upon allotment of all the industries within IP, 4.11 Acres of land will be allotted to the contractor selected through tendering process for the establishment of Solid waste management facility on PPP basis. The compost will be used as manure for green belt development and Inorganic waste will be sold to TNPCB authorized recyclers/local vendors.
	MSW Inorganic waste	3266	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors by individual industries.
	For Industrial Housing		
	Organic waste	136	Organic waste will be composted in Organic Waste Converter and the compost will be used as manure for green belt development.
	Inorganic waste	91	Inorganic waste will be sold to TNPCB authorized recyclers/local vendors
10.	Power requirement	21 MVA from TANGEDCO	
11.	Manpower (Nos)	Construction phase: 150nos. Operation phase: 19514nos	

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12.	Details of Green Belt Area			
	<b>Green belt break up</b>	<b>Area (Acres)</b>	<b>Area (Ha)</b>	<b>Area (%)</b>
	OSR Area (15 m along periphery of site and 10m along water body)	39.33	15.92	8.55
	33% green belt in industrial plots	92.27	37.34	20.05
	Green belt in other areas	22.79	9.22	4.95
	<b>Total</b>	<b>154.39</b>	<b>62.48</b>	<b>33.55</b>
13.	EMP Cost	Capital Cost- Rs. 26.54 Crores Recurring Cost: Rs.39 Lakhs		
14.	CER cost	Rs. 2 Crores		

#### **AFFIDAVIT**

- I. I, Tmt. E.Sundaravalli, 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 the proposed "Development of Industrial Park over an extent of 189.39 Ha (467.97 Acres) at Thappakundu Village (SF.Nos.-10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1), Poomalaikundu Village (SF.Nos.-1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3) and Upparpatti Village (SF.Nos.-52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728) of Theni Taluk, Theni District of Tamil Nadu, hereby take oath and state as under in this affidavit:
- II. The total water requirement of the park is estimated at 4218 KLD (Fresh water: 2576 KLD and Recycled water:1642 KLD). Fresh water requirement for the Industrial Park is proposed to be sourced through TWAD Board from MullaiPeriyar River.
- III. Power Supply (21 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.

- IV. 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.
- V. 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 confirm that the storm water drain would not carry any untreated (or) treated sewage.
- VI. 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 TNPCCB authorized recyclers by member units. SIPCOT has earmarked 4.11 Acres of land for Solid Waste Management Facility.
- VII. All member industries will be mandated to store and dispose the hazardous waste generated within their premises as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- VIII. Individual industries will be mandated to provide STP/ETP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system.
- IX. Overall Greenbelt area of the park would be 62.48Ha (i.e.33.55% of developable area i.e., 186.24Ha).
- X. EMP cost of the park is INR 26.54 Crores. Details are given below:

SLNo	Project Components	Capital Cost (Rs. in Crores)	Recurring Cost /year (Rs in Lakhs)
1	Storm Water drains, culverts & rainwater harvesting pits	18.68	5.0
2	Health centre	1.46	10
3	Green Belt Development	3.8	3.5
4	Solid Waste Management	2.0	2.5

  
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5	Environmental Monitoring during Construction Phase	0	3
6	STP for Industrial Housing (70 KLD)	0.5	10
7	Stack for Industrial Housing DG set	0.1	5
	<b>Total EMP Cost</b>	<b>26.54</b>	<b>39</b>

- XI. As per Minutes of 282<sup>nd</sup> SEAC meeting, we commit to spend Rs.1 crore each (total Rs.2 crores) to Wildlife Sanctuary, Megamalai and Wildlife Sanctuary, Theni towards CER activities through Forest Department to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to Wild Animals.

**SEAC Recommendations:**

The proposal was placed in the 299<sup>th</sup> Meeting of SEAC held on 23.07.2022. The details of the project furnished by the proponent are available on the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The project/activity is covered under Category "B1" of Item 8(b) "Township and Area Development Projects)" of the Schedule to the EIA Notification, 2006.
2. Terms of Reference were issued to the said project vide Lr.No.SEIAA-TN/F.No.8344/SEAC/8(b)/ToR-987/2021 dated 05.07.2021.

Based on the presentation and documents furnished by the project proponent, SEAC noted as follows:

1. ToR was issued inclusive of S.F.Nos. 4/1 of Poomalaikundu Village, whereas the project proponent now applied for the entire S.F.Nos. 4 of Poomalaikundu Village. It was informed by PP that the development of the industrial park is inclusive of the entire S.F.Nos. 4, which was mentioned S.F.Nos. 4/1 instead of S.F.No.4 in the ToR application and ToR was issued. Apart from that, there is no change in the total extent of the area of the proposed industrial park.

2. The PP has informed that a letter dated 18.05.2022 has been addressed by Chinnamanur Forest Office, Chinnamanur, Theni District to Assistant Director, SrivilliputhurMegamalai Tiger Reserve, Megamalai, Theni , for the estimation for removal of trees in the project proposed area & another letter dated 27.07.2021 from Chinnamanur Forest Office, Chinnamanur, Theni District to Megamalai wildlife sanctuary, Theni.
3. It was reported that Neem – 123 Nos, Saali Tree – 13,850 Nos, Usil tree – 527 Nos, Vaagai Tree – 329 Nos & Meigira – 246 Nos, totally 15174 Nos. of trees present in the site. Out of 15174 trees, approximately 380 trees will be removed during the laying of road for the Industrial park. To compensate for the loss 380 trees, additional, 3800 no. of trees will be planted in the green belt area proposed for the project. No. of trees proposed in green belt area of 62.48 ha =93,720, apart from this, 3800 trees will also be planted to compensate the loss of trees cut for road laying. Overall trees proposed are 97,520 Nos of trees.

After detailed deliberations, SEAC decided to recommend the proposal for the grant of **Environmental Clearance** subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

1. The water body such as odai present in the proposed site shall be maintained properly.
2. The Project proponent shall obtain the necessary permission from the competent Authority for utilization of OSR area for green belt development before applying CTO from TNPCB.
3. The project proponent shall obtain the necessary permission from competent Authority for the drawal of water from Mullai Periyar River before applying CTO from TNPCB.
4. The Proponent shall ensure that ~~no~~ schedule A & B industries as per EIA Notification 2006, shall be allowed in the industrial Park as committed.
5. Individual industries shall be advised to retain the trees if possible. In case of removal of trees, the industries shall be required to plant 10 trees for every tree that is cut.
4. The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.
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.

  
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7. 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.
8. The purpose of Green belt around the project is to capture the fugitive emissions 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. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. 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 and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,
9. The project proponent shall provide entry and exit points for the OSR area as per the norms for the public usage and as committed.
10. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
11. 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.
12. No waste of any type to be disposed of in any other way other than the approved one.
13. The Proponent shall ensure that all the units provide dispenser for the disposal of sanitary napkins.
14. 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.
15. 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.
16. 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.

17. Solar energy should be at least 20% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
18. 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 adhere EMP.
19. As accepted, the PP shall remit Rs 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni, to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.

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

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Apple marmelos</i>	Vilvam	ஐப்பை
2	<i>Adenanthera pavonina</i>	Marjadi	மரஜாடி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Uai	உயி
5	<i>Bauhinia purpurea</i>	Martharai	மர்தரை
6	<i>Bauhinia racemosa</i>	Aathi	அத்தி
7	<i>Bauhinia tomentosa</i>	Iruvathi	இருவத்தி
8	<i>Buchanania axillaris</i>	Nattamai	நட்டமை
9	<i>Borassus flabellifer</i>	Farsi	பாசி
10	<i>Butea monosperma</i>	Murakkamaram	முருக்கமரம்
11	<i>Berberis citha</i>	Bavu, Sevilavu	பாவா
12	<i>Catoplythum mophyllum</i>	Purrai	புரை
13	<i>Cassia fistula</i>	Sarakondrai	சரகண்டரை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கண்டரை
15	<i>Chloroxylon swietenia</i>	Puramaram	புரம் மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Marjallavu	கொங்கு, மரஜாவா
17	<i>Cordia dichotoma</i>	Narvula	நர்வூலா
18	<i>Crataeva adansonii</i>	Mavalungum	மாவலங்கும
19	<i>Dillenia indica</i>	Uva, Urha	உவா, உர்ஹா
20	<i>Dillenia pentagyna</i>	Siri Uva, Siru urha	சீரி உவா, சீரி உர்ஹா
21	<i>Diospyros sibiricum</i>	Narungudi	நர்அங்குடி
22	<i>Diospyros schloroxylon</i>	Vaganai	வகை
23	<i>Ficus amplissima</i>	Kallitchi	கலித்தி
24	<i>Hibiscus tiliaceus</i>	Astrupoovarai	அஸ்துபூவரை
25	<i>Hartmannia binata</i>	Aacha	அச்சா
26	<i>Holoptelia integrifolia</i>	Aavala	அவலா மரம், அவலம்
27	<i>Lamnea coromandelica</i>	Odhiam	ஒடியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Nedukottaimaram	நெடுகோட்டைமரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinosa</i>	Purupattai	புரூபட்டை
32	<i>Madhaca longifolia</i>	Iluppai	இலுப்பை
33	<i>Mandilana hexandra</i>	UlakkaiPaalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Maguthamaram	மகுதம் மரம்
35	<i>Mitragyna parvifolia</i>	Kadambari	கடம்பரி
36	<i>Morinda pubescens</i>	Nura	நூர்
37	<i>Morinda citrifolia</i>	Vellai Nura	வெள்ளை நூர்
38	<i>Phoenix sylvestris</i>	Eachi	ஏச்சி
39	<i>Pongamia pinnat</i>	Pungam	புங்கா

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40	<i>Premna nictitans</i>	Munisi	முனிசி
41	<i>Premna serratifolia</i>	Narumaru	நாரூமாரூ
42	<i>Premna tomentosa</i>	Malapocaram	மலாபொகாரம்
43	<i>Prunus cuneata</i>	Vanni marum	வாணி மாறம்
44	<i>Pterocarpus maritimus</i>	Vengai	வெங்கை
45	<i>Pterocarpium canescens</i>	Vennangu, Tada	வேணாங்கு, தாடா
46	<i>Pterocarpium xylocarpum</i>	Polaru	பொலர்
47	<i>Pithecellobium rachicarpa</i>	Karpala	கர்பலா
48	<i>Salweenia pinnata</i>	Ugga Marum	உகா மாறம்
49	<i>Sapindus emarginatus</i>	Mangungu, Sompoku	மாங்குங்கு, சம்புகு
50	<i>Sesuvium arborescens</i>	Asoca	அசோகா
51	<i>Strychnos alba</i>	Pinnu marum	பின்னு மாறம்
52	<i>Strychnos nuxvomica</i>	Yethu	யெது
53	<i>Strychnos potatorum</i>	Theerthang Kottai	தீர்த்தாங்கு கோட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia bellerica</i>	Thandru	தாண்ட்ரு
56	<i>Terminalia arjuna</i>	Ven marudhu	வேணு மாறாடறு
57	<i>Tecoma ciliata</i>	Sandhana vendu	சாந்தாணா வெந்து
58	<i>Thespesia populnea</i>	Pavani	பவானி
59	<i>Valeriana filifolia</i>	Talima	தாலிமா
60	<i>Viola tricolor</i>	Veppilai	வேப்பிலை
61	<i>Psidium guajava</i>	Kodakkappuli	கொடக்கப்பூலி

#### **SEIAA Recommendations:**

The proposal was placed in the 544<sup>th</sup> Authority meeting held on 25.08.2022. The Authority after detailed discussions accepted the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions:

1. 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.
2. The project proponent shall obtain necessary permission for water bodies within/around the proposed site from the Competent Authority before obtaining CTE from TNPCB.
3. The project proponent shall obtain and maintain valid permission all time for supply of fresh water as committed.
4. 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.
5. 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.
6. 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.

7. 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.
8. The project proponent and the industries shall provide 33% green belt area excluding the OSR area.
9. Forest department should be consulted during plantation and cutting of trees.
10. 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.
11. 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.
12. The project proponent shall provide & maintain adequate storm water management & rain water harvesting structures as committed for the project site.
13. The project proponent shall obtain necessary permission for disposal of excess storm water from the competent authority before obtaining CTO.
14. 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.
15. 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

  
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- 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.
16. The project proponent & the Industries to be in-housed shall ensure buildings constructed are energy efficient and conform to the green building norms.
  17. 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.
  18. The project proponent shall adhere to the approval obtained for the source of fresh water supply from the competent Authority.
  19. 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.
  20. The proponent & the Industries to be in-housed shall strictly adhere to the disaster management and disaster mitigation measures/standards to avoid any calamities.
  21. The proponent & the Industries to be in-housed shall strictly adhere to the EIA/EMP and disaster management plan.
  22. 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.
  23. 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.
  24. The proponent & the Industries to be in-housed shall ensure proper arrangement & utilization of recycled water.
  25. The proponent & the Industries to be in-housed shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
  26. 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.
  27. All the Buildings shall be energy efficient and confirm to the green building norms.
  28. 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.

29. The proponent & the Industries to be in-housed shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.
30. 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.
31. 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.
32. 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.
33. The proponent & the Industries to be in-housed shall ensure to provide the emergency exit in the buildings.
34. The proponent & the Industries to be in-housed shall ensure to provide elevator as per rules CMDA/DTCP.
35. 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.
36. The proponent & the Industries to be in-housed shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
37. The project proponent & the Industries to be in-housed shall adhere to storm water management plan as committed.

Environmental Clearance along with the conditions containing four parts namely

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


Part - B - Specific Conditions - Pre construction phase

Part - C - Specific Conditions - Construction phase

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

**Validity:**

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

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

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.

9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
11. The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
13. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.
15. The SEIAA, TN may cancel the Environmental Clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the Environmental Clearance.
16. The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.

  
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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 TNPCCB 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 TNPCCB.
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)
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.
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.

  
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**SEIAA-TN**

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.
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 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.

  
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#### **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 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.

**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.

  
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- 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.
- 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.
- 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

  
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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.
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.
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

  
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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.
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.

**Copy to:**

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



# TAMILNADU POLLUTION CONTROL BOARD



Category of the Industry :

RED



CONSENT ORDER NO. 2301149594769

DATED: 21/03/2023.

PROCEEDINGS NO.T4/TNPCB/F.0967TEN/RL//TEN/W/2023

DATED: 21/03/2023



**SUB:** TNPC Board-Consent for Establishment-M/S SIPCOT INDUSTRIAL PARK AT THENI S.F No. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of , UPPARPATTI Village, Theni Taluk, Theni 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. Environmental Clearance issued by the SEIAA-TN vide EC Id No.EC22B039TN138224 Dated 21.09.2022  
2. Unit's online application No. 49594769 dated 23.12.2022  
3. IR.No : F.0967TEN/RL/AE/TEN/2023 dated 22/02/2023  
4. Minutes of the 212th TSC meeting held on 15.03.2023 (TSC Item No. 212-01)

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 THENI

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

S.F. No.10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of ,

UPPARPATTI Village,

Theni Taluk,

Theni District.

This Consent to establish is valid upto **March 31, 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.

**RAGUPATHI** Digitally signed by  
**SANGANAN** RAGUPATHI SANGANAN  
Date: 2023.03.21  
16:47:14 +05'30'

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

To  
The Managing Director,



## **TAMILNADU POLLUTION CONTROL BOARD**

State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)

19-A, Rukmani Lakshminpathy Road,

Egmore, Chennai,

Pin: 600008

**Copy to:**

1. The Commissioner, THENI-Panchayat Union, Theni Taluk, Theni District .
  2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THENI.
  3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Madurai.
  4. File
-



## TAMILNADU POLLUTION CONTROL BOARD

### SPECIAL CONDITIONS

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

SL. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	It is an infrastructure development project in a total area of 189.39 Hectares (467.97 Acres). It involves development of roads, water supply lines, storm water drains, street lights, greenbelt and such other amenities to accommodate Industries which do not fall under 'A' & 'B' Category as per the EIA Notification, 2006 and amendment thereof. Type of industries proposed are Food Industries, Textile, Engineering, Mineral Products and Other Non EC Category Industries including Industrial Housing Facility	0	0

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

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

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

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
<b>Effluent Type : Sewage</b>			
1.	Sewage	0.85	On own land
<b>Effluent Type : Trade Effluent</b>			

4. **Special Additional Conditions:**

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.

5. **Additional Conditions:**



## **TAMILNADU POLLUTION CONTROL BOARD**

1. The SIPCOT Industrial Park shall comply the conditions stipulated in the Environmental clearance SEIAA vide letter No. SEIAA -TN/F.No.8344/EC/ 8(b)/ 866/2022 dated: 25.08.2022.(Online EC Id No. EC22B039 TN138224 Dated 21.09.2022 )
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 as insisted in the Environmental Clearance issued by the SEIAA-TN.
3. The project proponent shall obtain necessary permission for maintaining the water bodies within the proposed site from the Competent Authority .
4. The water body such as odai present in the proposed site shall be maintained properly.
5. The SIPCOT shall obtain and furnish the necessary approval obtained from the competent authority for drawl of water from River Mullai Periyar, while applying for CTO.
6. The SIPCOT shall house industries in the industrial park in compliance to the provisions of EIA Notification 2006 as committed.
7. The SIPCOT shall ensure that industries which are falls in the schedule A & B of the EIA Notification 2006 shall not be allowed in this industrial Park as committed.
8. The unit shall furnish the land use classification as industrial use /DTCP approval and the same shall be submitted to TNPCB during CTO application committed
9. The SIPCOT shall not handover industrial plots without obtaining CTO of the Board.
10. The SIPCOT shall provide Septic tank followed by soak pit arrangements to treat and dispose the sewage generated as reported.
11. The SIPCOT shall ensure that the allotted units are mandated to implement own sewage treatment system for treating and disposing the sewage and shall ensure that no treated / untreated sewage shall gain access outside the unit premises on land / water source under any circumstances.
12. The SIPCOT shall ensure that the allotted units are mandated implement own effluent treatment system for treating the trade effluent and shall ensure that no treated / untreated trade effluent shall gain access outside the unit premises on land / water source under any circumstances.
13. The SIPCOT shall ensure that the allotted units not dig any well or bore well inside their premises for drawing of ground water.
14. The SIPCOT shall ensure that the allotted units are mandated that the water courses/pathai leading to the Water bodies located in the surroundings will not be disturbed and in this regard a condition shall be imposed in the allotment order to the member units
15. The SIPCOT shall ensure that the allotted units are mandated that all the member industries to develop green belt in 33% of their allotted area.
16. The SIPCOT shall ensure that the allotted units including the housing society are mandated to obtain individual consent orders from the Board.
17. The SIPCOT shall not handover industrial plots without obtaining consent to operate orders of the Board.
18. Compensation is to be paid for land acquisition as fixed by the District Collector and District Magistrate as civil liability.
19. The project generating more than 20 tons of construction and demolition waste or more in one day or 300 tons per project in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorized processing facilities of construction and demolition waste and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public or drains.
20. The project shall segregate and store the waste generated by them in three separate streams namely biodegradable, non bio-degradable and domestic hazardous wastes in suitable bins and handover segregated wastes to authorised waste pickers or waste collectors as per the direction or notification by the local authorities from time to time;
21. All gated communities and institutions with more than 5,000 Sq.m area shall ensure segregation of waste at source by the generators, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the authorized recyclers. The bio-degradable waste shall be processed, treated and disposed off through composting or biomethanation within their premises. The residual waste shall be given to the waste collectors or agency as directed by the local body.
22. The project shall ensure that the segregated plastic waste must be sent to plastic recycling units. The waste plastics shall not be buried/land filled or burnt.
23. The unit shall provide rain water harvesting facility within the premises for the recharge of ground water.
24. The unit shall develop green belt in and around the premises by planting 2 m tall tree saplings.
25. The consent do not absolve from obtaining permission/Clearance from other authorities or other statues as applicable.
26. In case of revision of consent fee by the Government, the unit shall remit the difference in consent fee amount within one month from the date of notification. Failing to remit the consent fee, this



## TAMILNADU POLLUTION CONTROL BOARD

consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.

27. The project shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead it shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, Jute bag etc.

28. The issue of CTE does not absolve the proponent from obtaining approval from other relevant Government Departments.

29. The Developer shall allot 5% of the area in the total plot area or minimum five plots or sheds for recovery and recycling facility as per the Solid waste Management Rules, 2016.

30. The unit shall ensure that no expansion activity will be carried out without prior of consent of the TNPC Board.

31. The developer shall establish the housing project with adequate buffer between the industrial plots and housing plots by developing green belt.

**RAGUPATHI  
SANGANAN**

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RAGUPATHI SANGANAN  
Date: 2023.03.21  
16:47:55 +05'30'

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai



**TAMILNADU POLLUTION CONTROL BOARD**  
**GENERAL CONDITIONS**

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

**RAGUPATHI** Digitally signed by  
**SANGANAN** RAGUPATHI SANGANAN  
Date: 2023.03.21  
16:48:28 +05'30'

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai



## TAMILNADU POLLUTION CONTROL BOARD

Category of the Industry :

**RED**



**CONSENT ORDER NO. 2301249594769 DATED: 21/03/2023.**

**PROCEEDINGS NO.T4/TNPCB/F.0967TEN/RL/TEN/A/2023 DATED: 21/03/2023**



**SUB:** TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK AT THENI , S.F. No. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of , UPPARPATTI village, Theni Taluk and Theni 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. Environmental Clearance issued by the SEIAA-TN vide EC Id No.EC22B039TN138224 Dated 21.09.2022  
2. Unit's online application No. 49594769 dated 23.12.2022  
3. IR.No : F.0967TEN/RL/AE/TEN/2023 dated 22/02/2023  
4. Minutes of the 212th TSC meeting held on 15.03.2023 (TSC Item No. 212-01)

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 THENI

S.F No.10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of ,

UPPARPATTI Village,

Theni Taluk,

Theni District.

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

S.F No. 10/1, 57/1, 58, 59, 60/1, 60/2, 61/1, 63/2, 64/1, 64/2, 64/3, 65/1, 65/2, 66/1, 66/2, 66/3, 66/4, 67/1, 67/2, 68/1 of Thappukundu Village, S.Nos. 1/1, 2/2, 3/1, 3/2, 3/3, 3/4, 3/5, 4, 5/1, 5/2, 5/3, 5/4, 5/5, 6/1, 6/2, 6/3, 6/4, 17/1, 17/3, 19/3, 20, 21, 22/1, 22/2, 23/1, 24, 25/1, 25/2, 25/3, 25/4, 29/1, 29/2, 30/1, 30/2, 31/1, 31/2, 31/3, 31/4, 32/1, 32/2, 33/1, 31/5, 33/3, 33/4, 42/1, 42/2, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3 of Poomalaikundu Village and S.Nos. 52, 72/1, 72/2, 73/2, 72/3, 73/1, 73/3, 74/1, 74/2, 74/3, 75/1, 75/2, 76, 77, 78, 79/1, 79/2, 79/3, 80/1, 80/2, 81/1, 81/2, 82, 83/1, 85/2, 85/3, 86/2, 726/3, 727, 728 of ,

UPPARPATTI Village,

Theni Taluk,

Theni District.

This Consent to establish is valid upto **March 31, 2029**, or till the industry obtains consent to operate under Section 21 of the Air



## TAMILNADU POLLUTION CONTROL BOARD

enclosed.

**RAGUPATHI** Digitally signed by  
**SANGANAN** RAGUPATHI SANGANAN  
Date: 2023.03.21  
16:49:09 +05'30'  
For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

To  
The Managing Director,  
M/s.SIPCOT INDUSTRIAL PARK AT THENI,  
State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)  
19-A, Rukmani Lakshmiipathy Road,  
Egmore, Chennai,  
Pin: 600008

**Copy to:**

- 1.The Commissioner, THENI-Panchayat Union, Theni Taluk, Theni District .
  2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THENI.
  3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Madurai.
  4. File
-



## TAMILNADU POLLUTION CONTROL BOARD

### SPECIAL CONDITIONS

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

Sl. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	It is an infrastructure development project in a total area of 189.39 Hectares (467.97 Acres). It involves development of roads, water supply lines, storm water drains, street lights, greenbelt and such other amenities to accommodate Industries which do not fall under 'A' & 'B' Category as per the EIA Notification, 2006 and amendment thereof. Type of industries proposed are Food Industries, Textile, Engineering, Mineral Products and Other Non EC Category Industries including Industrial Housing Facility	0	0

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

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

3. **Special Additional Conditions:**

- 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.
- 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:**



## **TAMILNADU POLLUTION CONTROL BOARD**

1. The SIPCOT Industrial Park shall comply the conditions stipulated in the Environmental clearance SEIAA vide letter No.SEIAA –TN/F.No.8344/EC/ 8(b)/ 866/2022 dated: 25.08.2022.(Online EC Id No.EC22B039 TN138224 Dated 21.09.2022 )
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 as insisted in the Environmental Clearance by the SEIAA-TN.
3. The project proponent shall obtain necessary permission for maintaining the water bodies within the proposed site from the Competent Authority .
4. The water body such as odai present in the proposed site shall be maintained properly.
5. The SIPCOT shall house industries in the industrial park in compliance to the provisions of EIA Notification 2006 as committed.
6. The SIPCOT shall ensure that industries which are falls in the schedule A & B of the EIA Notification 2006 shall not be allowed in this industrial Park as committed.
7. The unit shall furnish the land use classification as industrial use /DTCP approval and the same shall be submitted to TNPCB during CTO application committed
8. The SIPCOT shall not handover industrial plots without obtaining CTO of the Board.
9. Compensation is to be paid for land acquisition as fixed by the District Collector and District Magistrate as civil liability.
10. The SIPCOT shall ensure that the allotted units are mandated that all the member industries to develop green belt in 33% of their allotted area.
11. The unit shall develop green belt in and around the premises by planting 2 m tall tree saplings.
12. The operation of the unit shall not attract any complaint from the local public
13. The consent do not absolve from obtaining permission/Clearance from other authorities or other statues as applicable.
14. In case of revision of consent fee by the Government, the unit shall remit the difference in consent fee amount within one month from the date of notification. Failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.
15. The issue of CTE does not absolve the proponent from obtaining approval from other relevant Departments.
16. The developer shall establish the housing project with adequate buffer between the industrial plots and housing plots by developing green belt .

**RAGUPATHI SANGANAN** Digitally signed by  
RAGUPATHI SANGANAN  
Date: 2023.03.21  
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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: 2023.03.21  
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For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai



## TAMILNADU POLLUTION CONTROL BOARD

தமிழ்நாடு மாநிலத் தண்ணீர்  
சேமிப்பு மற்றும் கழிவு  
நீர் கட்டுப்பாட்டு வாரியம்  
தமிழ்நாடு மாநிலத் தண்ணீர்  
சேமிப்பு மற்றும் கழிவு  
நீர் கட்டுப்பாட்டு வாரியம்



## **ENVIRONMENTAL MANAGEMENT CELL**

### **1. INTRODUCTION:**

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



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

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

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

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

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



TC-12318

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Near Project Site

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

ULR : TC1231024000046149F

Report No. : HECS/AP/030/250924

Sample ID No : 250924068

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

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	8.9	IS 5182 (Part 23) 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	23.64	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m3	12.3	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m3	55.89	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m3	23.07	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m3	14.33	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

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

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

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



D.Anusuya  
Lab Manager  
Authorized Signatory

# 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 : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Near Project Site

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/030/250924/N

Sample ID No : 250924068

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

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\*\*\*



D. Anusuya  
Lab Manager  
Authorized Signatory

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## Laboratory Services Division

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



### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Vayalpatti

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 : TC1231024000046150F

Report No. : HECS/AP/031/250924

Sample ID No : 250924069

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m <sup>3</sup>	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m <sup>3</sup>	BLQ (LOQ: 0.1 )	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benz(a) pyrene-AAQ	ng/m <sup>3</sup>	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	6.08	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m <sup>3</sup>	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO <sub>2</sub>	µg/m <sup>3</sup>	22.75	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	13.31	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m <sup>3</sup>	54.66	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m <sup>3</sup>	24.59	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	8.37	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

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



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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Vayalpatti

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/031/250924/N

Sample ID No : 250924069

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

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 : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Kottur

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 : TC1231024000046151F

Report No. : HECS/AP/032/250924

Sample ID No : 250924070

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

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	5.7	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	21.38	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m3	10.62	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m3	49.45	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m3	18.29	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m3	8.11	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/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter, ng/m<sup>3</sup>-Nanograms per cubic meter.

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

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



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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Kottur

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/032/250924/N

Sample ID No : 250924070

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

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

Notes:- 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 : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Duraiswamipuram

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 : TC1231024000046152F

Report No. : HECS/AF/033/250924

Sample ID No : 250924071

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

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	5.23	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	20.7	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	11.84	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	52.09	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	22.35	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	9.17	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/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter, ng/m<sup>3</sup>-Nanograms per cubic meter.

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

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



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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT  
Address of the Client : Theni  
Group : Atmospheric Pollution  
Sample Name : Ambient Air  
Sample Mark : Duraiswamipuram  
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/033/250924/N  
Sample ID No : 250924071  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 30/09/2024  
Report Date : 30/09/2024  
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 : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Upparpatti

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 : TC1231024000046153F

Report No. : HECS/AP/034/250924

Sample ID No : 250924072

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

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	8.4	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	18.82	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	12.93	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	51.55	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	20.34	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	13.78	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/m<sup>3</sup>- Micrograms per cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter, ng/m<sup>3</sup>-Nanograms per cubic meter.

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

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



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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT  
Address of the Client : Theni  
Group : Atmospheric Pollution  
Sample Name : Ambient Air  
Sample Mark : Upparpatti  
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/034/250924/N  
Sample ID No : 250924072  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 30/09/2024  
Report Date : 30/09/2024  
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 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Vayalpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046426F

Report No. : HECSL/WT/013/250924

Sample ID No : 250924074

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

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)	0.2	1
3	Bi carbonate	mg/l	200.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:0.01)	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	40.08	IS 3025 Part 40: 1991(EDTA Titrimetric	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	63.69	IS 3025 Part 32: 1988 ( Argentometric	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	6.6	IS 3025 (Part 38): 1989 ( Titrimetric Method)	NA	NA



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### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Vayalpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046426F  
Report No. : HECSL/WT/013/250924  
Sample ID No : 250924074  
Sampling Date : 25/09/2024

Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Litres

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	637.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.24	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	21.87	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	19.47	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	26.75	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C	-	7.69	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	4.0	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)	1.04	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	33.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA



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**Laboratory Services Division**

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**TEST REPORT**

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Vayalpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046426F  
Report No. : HECSL/WT/013/250924  
Sample ID No : 250924074  
Sampling Date : 25/09/2024

Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO <sub>4</sub>	mg/l	25.74	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO <sub>3</sub>	mg/l	200.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	357.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	BLQ (LOQ: 1.0)	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO <sub>4</sub>	mg/l	0.27	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	0.082	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO <sub>3</sub>	mg/l	190.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	BLQ (LOQ: 0.1)	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

Name of the Client : M/s, SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Vayalpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046426F  
Report No. : HECSL/WT/013/250924  
Sample ID No : 250924074  
Sampling Date : 25/09/2024

Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Litres

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  
Address of the Client : Theni  
Group : Water  
Sample Name : Ground Water  
Sample Mark : Vayalputti  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/013/250924/N  
Sample ID No : 250924074  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	6.6	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

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC/1231024000046427F  
Report No. : HECSL/WT/014/250924  
Sample ID No : 250924075  
Sampling Date : 25/09/2024

Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH <sub>3</sub>	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 ( Nesslerization Method)	0.5	No relaxation
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	100.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD) <sub>5</sub> @ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
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	24.05	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	11.75	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	6.5	IS 3025 (Part 38): 1989 ( Titrimetric Method)	NA	NA



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## TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046427F

Report No. : HECSL/WT/014/250924

Sample ID No : 250924075

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

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	262.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	BLQ(LOQ:0.2)	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	12.15	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	4.27	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	8.84	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C	-	7.69	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	1.0	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)	0.21	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	5.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA



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**Laboratory Services Division**(Chemical & Biological Testing)  
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Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046427F

Report No. : HECSL/WT/014/250924

Sample ID No : 250924075

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO <sub>4</sub>	mg/l	2.76	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO <sub>3</sub>	mg/l	100.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	147.0	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 <sub>4</sub>	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 <sub>3</sub>	mg/l	110.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	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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## Laboratory Services Division

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### TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046427F  
Report No. : HECSL/WT/014/250924  
Sample ID No. : 250924075  
Sampling Date : 25/09/2024

Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Litres

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

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

Report No. : HECSL/WT/014/250924/N

Sample ID No : 250924075

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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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TC-12310

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Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Duraiswamipuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046428F

Report No. : HECSL/WT/015/250924

Sample ID No : 250924076

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

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	280.0	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	64.13	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	53.89	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	6.5	IS 3025 (Part 38): 1989 ( Titrimetric Method)	NA	NA

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**TEST REPORT**

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Duraiswamipuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046428F  
Report No. : HECSL/WT/015/250924  
Sample ID No : 250924076  
Sampling Date : 25/09/2024

Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Litres

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	867.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	0.39	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	34.02	IS 3025 Part 46: 1994 ( Valumetric Method using EDTA)	30	100
17	Nitrate as NO <sub>3</sub>	mg/l	41.37	APHA 23rd edition (Method 4500 NO <sub>3</sub> B): 2017	45	No relaxation
18	Percent Sodium	%	15.65	HECS /WT/SOP/002: 2019	NA	NA
19	pH at 25°C	-	7.67	IS 3025(Part 11) : 2022 ( Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Potassium as K	mg/l	2.0	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)	0.65	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	26.0	IS 3025 Part 45: 1993 ( Flame emission Photometric Method)	NA	NA



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TC-12318

**Laboratory Services Division**

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ISO 9001, 14001 &amp; 45001 Certified.

**TEST REPORT**

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Duraiswamipuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046428F

Report No. : HECSL/WT/015/250924

Sample ID No : 250924076

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 18500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO <sub>4</sub>	mg/l	73.44	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO <sub>3</sub>	mg/l	280.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	485.0	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 <sub>4</sub>	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 <sub>3</sub>	mg/l	300.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	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

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Ground Water

Sample Mark : Duraiswamipuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046428F

Report No : HECSL/WT/015/250924

Sample ID No : 250924076

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

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- Milligramms 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  
Address of the Client : Theni  
Group : Water  
Sample Name : Ground Water  
Sample Mark : Duraiswamipuram  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/015/250924/N  
Sample ID No : 250924076  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
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

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Surface Water

Sample Mark : Kamarajapuram surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 55.0

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

ULR : TC1231024000046429F

Report No. : HECSL/WT/016/250924

Sample ID No : 250924077

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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 <sub>3</sub>	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bi carbonate	mg/l	90.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:1.0)	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	18.04	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA
7	Chloride as Cl	mg/l	44.09	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	6.1	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	337.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.23	APHA 23rd edition Method 4500 F -B.D: 2017	1.5
12	Iron as Fe	mg/l	0.19	IS 3025 Part 53: 2003	0.3
13	Nitrate as NO <sub>3</sub>	mg/l	2.74	APHA 23rd edition Method 4500 NO3B: 2017	20



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### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Surface Water

Sample Mark : Kamarajapuram surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046429F

Report No. : HECSL/WT/016/250924

Sample ID No : 250924077

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C	-	8.11	IS 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	189.0	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	9.72	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	24.28
20	Percent Sodium	%	36.19	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12: 2024	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	0.091	APHA 23rd edition Method 4500-P B,D: 2017	NA
23	Potassium as K	mg/l	2.0	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)	1.08	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 : Theni

Group : Water

Sample Name : Surface Water

Sample Mark : Kamarajapuram surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 55.0

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

ULR : TC1231024000046429F  
Report No : HECSL/WT/016/250924  
Sample ID No : 250924077  
Sampling Date : 25/09/2024

Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
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	23.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO <sub>4</sub>	mg/l	11.37	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO <sub>3</sub>	mg/l	90.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO <sub>3</sub>	mg/l	85.0	IS 3025 Part 21: 2009	300
30	Total Phosphorous as P	mg/l	0.027	IS 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Solids	mg/l	21.0	IS 3025 Part 17: 1984	NA
32	Turbidity	NTU	9.5	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 : Theni

Group : Water

Sample Name : Surface Water

Sample Mark : Kamarajapuram surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046429F

Report No : HECSL/WT/016/250924

Sample ID No : 250924077

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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 : Theni  
Group : Water  
Sample Name : Surface Water  
Sample Mark : Kamarajapuram surface water  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 17614(Part-I):2021

Report No. : HECSL/WT/016/250924/N  
Sample ID No : 250924077  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
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 : Theni

Group : Water

Sample Name : Surface Water

Sample Mark : Thandhai Periyar Surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046430F

Report No. : HECSL/WT/017/250924

Sample ID No : 250924078

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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 <sub>3</sub>	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bi carbonate	mg/l	105.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD) <sub>5</sub> @ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	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	10.04	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA
7	Chloride as Cl	mg/l	36.74	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	6.3	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	294.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.23	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 <sub>3</sub>	mg/l	4.48	APHA 23rd edition Method 4500 NO <sub>3</sub> B: 2017	20



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### TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Water

Sample Name : Surface Water

Sample Mark : Thandhai Periyar Surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046430F

Report No. : HECSL/WT/017/250924

Sample ID No : 250924078

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C	-	7.61	IS 3025 Part 11: 2022 ( Electrometric Method)	8.5
15	Total dissolved solids	mg/l	165.0	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	9.72	IS 3025 Part 46: 1994 ( Volumetric Method using EDTA)	24.28
20	Percent Sodium	%	19.84	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	0.047	APHA 23rd edition Method 4500-P B,D: 2017	NA
23	Potassium as K	mg/l	1.0	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)	0.80	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 : Theni

Group : Water

Sample Name : Surface Water

Sample Mark : Thandhai Periyar Surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046430F

Report No. : HECSL/WT/017/250924

Sample ID No : 250924078

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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	17.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO4	mg/l	10.37	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO3	mg/l	105.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO3	mg/l	85.0	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	7.0	IS 3025 Part 17: 1984	NA
32	Turbidity	NTU	3.1	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

D. Anusuya  
Lab Manager  
Authorized Signatory



## Hubert Enviro Care Systems (P) Ltd.

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## Laboratory Services Division

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



### TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Thenni

Group : Water

Sample Name : Surface Water

Sample Mark : Thandhai Periyar Surface water

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0

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

ULR : TC1231024000046430F

Report No. : HECSL/WT/017/250924

Sample ID No : 250924078

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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 : Theni  
Group : Water  
Sample Name : Surface Water  
Sample Mark : Thandhai Periyar Surface water  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/017/250924/N  
Sample ID No : 250924078  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
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 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Near 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 (%) : 50.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046431F

Report No. : HECS/PE/019/250924

Sample ID No : 250924079

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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	BLQ(LOQ 0.1)	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	9.11	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	25.11	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Silt loam	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	%	67.2	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	10.1	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.04	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µ S/cm	68.6	IS 14767: 2000



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### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Near 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 (%) : 50.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046431F

Report No. : HECS/PE/019/250924

Sample ID No : 250924079

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm <sup>3</sup>	1.04	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.35	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.60	IS 2720 (Part 22) Section I 1972
14	Available Potassium	mEq/100g	5.74	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	%	0.0088	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	17.68	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	12.48	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	4.1	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	18.6	IS 14765: 2000
21	Colour	-	Red	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\*\*\*



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**Laboratory Services Division**(Chemical & Biological Testing)  
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Page : 1 of 1

Name of the Client : M/s. SIPCOT  
Address of the Client : Theni  
Group : Pollution & Environment  
Sample Name : Soil  
Sample Mark : Near 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 (%) : 50.0  
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/019/250924/N  
Sample ID No : 250924079  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	153.22	HECS-G/INS/SOP/042
2	Iron	mg/kg	2.54	Inhouse method
3	Infiltration Rate	cm/hr	4.4	Inhouse method
4	Moisture	%	3.53	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 kilograms.

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

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### TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Vayalpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046432F

Report No. : HECS/PE/020/250924

Sample ID No : 250924080

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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	BLQ(LOQ 0.1)	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	9.11	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	21.54	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture		Silt loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	28.2	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	55.7	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	16.1	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.76	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	86.0	IS 14767: 2000



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### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Vayalpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046432F

Report No. : HECS/PE/020/250924

Sample ID No : 250924080

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm <sup>3</sup>	86.0	FAO of United Nations Rome 2007
12	Organic Carbon	%	1.04	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.47	IS 2720 (Part 22) Section 1 1972
14	Available Potassium	mEq/100g	7.94	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	%	0.0097	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	20.64	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	14.74	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	4.2	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	20.6	IS 14765: 2000
21	Colour	-	Red	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02.07.2020
22	Phosphorous	ppm	5.28	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 : Theni  
Group : Pollution & Environment  
Sample Name : Soil  
Sample Mark : Vayalpatti  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0  
Sampling Method & Plan : ICARDA:2013  
Report No. : HECS/PE/020/250924/N  
Sample ID No : 250924080  
Sampling Date : 25/09/2024  
Received Date : 25/09/2024  
Commenced Date : 25/09/2024  
Completed On : 03/10/2024  
Report Date : 03/10/2024  
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	42.75	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	2.36	Inhouse method
3	Infiltration Rate	cm/hr	4.4	Inhouse method
4	Moisture	%	1.62	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 : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Kottur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046433F

Report No : HECS/PE/021/250924

Sample ID No : 250924081

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	8.14	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	31.02	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture		Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	40.2	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	40.7	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	19.1	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.12	IS 3720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	98.0	IS 14767: 2000



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### TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Kottur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046433F

Report No. : HECS/PE/021/250924

Sample ID No : 250924081

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm <sup>3</sup>	1.02	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.48	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.84	IS 2720 (Part 22) Section I 1972
14	Available Potassium	mEq/100g	7.54	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	%	0.0092	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	19.24	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	13.12	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	4.0	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	20.2	IS 14765: 2000
21	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02-07-2020
22	Phosphorous	ppb	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\*\*\*



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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Kottur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/021/250924/N

Sample ID No : 250924081

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	142.96	HECS-G/INS/SOP/042
2	Iron	mg/kg	3.54	Inhouse method
3	Infiltration Rate	cm/hr	4.8	Inhouse method
4	Moisture	%	1.67	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 : Theni

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : Duraiswamipuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method &amp; Plan : ICARDA:2013

ULR : TC1231024000046434F

Report No. : HECS/PE/022/250924

Sample ID No : 250924082

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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	BLQ (LOQ: 0.1)	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	31.51	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	%	18.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	17.2	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	64.2	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.54	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	128.0	IS 14767: 2000



D.Anusuya  
Lab Manager  
Authorized Signatory

**TEST REPORT**

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : Duraiswamipuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 Humidity (%) : 50.0

Sampling Method &amp; Plan : ICARDA:2013

ULR : TC1231024000046434F

Report No. : HECS/PE/022/250924

Sample ID No : 250924082

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm <sup>3</sup>	1.02	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.32	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.56	IS 2720 (Part 22) Section I 1972
14	Available Potassium	mEq/100g	6.48	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	%	0.0098	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	16.28	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	13.54	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	%	20.5	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

# 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 : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Duraiswamipuram

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/022/250924/N

Sample ID No : 250924082

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	152.34	HECS-G/INS/SOP/042
2	Iron	mg/kg	1.56	Inhouse method
3	Infiltration Rate	cm/hr	3.8	Inhouse method
4	Moisture	%	1.56	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\*\*\*



D.Anusuya

Lab Manager

Authorized Signatory

**TEST REPORT**

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method &amp; Plan : ICARDA:2013

ULR : TC1231024000046435F

Report No. : HECS/PE/023/250924

Sample ID No : 250924083

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

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	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	8.60	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	31.05	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture		Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	37.2	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	33.6	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	29.2	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.02	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µ S/cm	810.0	IS 14767: 2000



D. Anusuya  
Lab Manager  
Authorized Signatory

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

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

**Laboratory Services Division**

(Chemical &amp; Biological Testing)

Recognized by CPCB (MoEF &amp; CC)

BIS FSSAI Notified Laboratory

ISO 9001, 14001 &amp; 45001 Certified.

**TEST REPORT**

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution &amp; Environment

Sample Name : Soil

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method &amp; Plan : ICARDA-2013

ULR : TC1231024000046435F

Report No. : HECS/PE/023/250924

Sample ID No : 250924083

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm <sup>3</sup>	1.08	FAO of United Nations Rome- 2007
12	Organic Carbon	%	0.38	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.56	IS 2720 (Part 22) Section 1 1972
14	Available Potassium	mEq/100g	6.54	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02-07-2020
17	Total Nitrogen as N	%	0.0090	IS 14684 Clause 4- 1999
18	Exchangable Calcium as Ca	mEq/L	18.24	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	12.54	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	4.5	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	30.4	IS 14765: 2000
22	Colour	-	Red	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02-07-2020
25	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

# 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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ISO 9001, 14001 & 45001 Certified.

### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Upparpatti

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 50.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/023/250924/N

Sample ID No : 250924083

Sampling Date : 25/09/2024

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	147.21	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	BLQ(LOQ 0.1)	Inhouse method
3	Infiltration Rate	cm/hr	5.2	Inhouse method
4	Moisture	%	1.24	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\*\*\*



D.Anusuya

Lab Manager

Authorized Signatory

**TEST REPORT**

Page : 1 of 1

ULR : TC1231024000046154F  
Report No. : HECS/AP/035/250924  
Sample ID No : 250924073  
Sampling Date : 25/09/2024

Name of the Client : M/s. SIPCOT

Address of the Client : Theni

Group : Atmospheric Pollution

Sample Name : Ambient Noise Levels (Excluding vibration) (Env)

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 &amp; Plan : IS 9989:1981

Received Date : 25/09/2024

Commenced Date : 25/09/2024

Completed On : 30/09/2024

Report Date : 30/09/2024

Sample quantity : NA

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	50.1	41.6
2	Near Vayalpatti	51.4	43.8
3	Kottur	52.3	42.4
4	Duraiswamipuram	53.2	44.6
5	Upparpatti	50.8	44.1

**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\*\*\*



D. Anusuya  
Lab Manager  
Authorized Signatory

**நவா மையத்தில் கவர்னர்**

**MANAGING DIRECTOR**

\* "Gedrag van de politie is niet te vergelijken met dat van de politie van andere landen"

Gunderson - 500 003

CIN U74999TN1971SGC005967

gyárt : 28.09.2022

சிப்காட் தொழிற் பூங்கா

சுற்றுச்சூழல் இசைவாணம்

இவ்வகைவாணையின் முழுவிவரங்களை [www.sipcot.in.gov.in](http://www.sipcot.in.gov.in) என்னும் சிப்காட் இணையதளத்திலும், மாநில மாக கட்டுப்பாடு வாரியம் மற்றும் மாநில சிறுதொழில் தாக்க மதிப்பீட்டு ஆணையத்தின் இணையதளத்திலும் பெற்றுக்கொள்ளலாம். மேலும் இவ்வகைவாணையின் நுகர்வோர் சிப்காட் தகவல்களை அலுவலகத்திலோ அல்லது சிப்காட் திட்ட அலுவலகத்திலோ பெற்றுக்கொள்ளலாம்.

மேலாண்மை இயக்குனர்

\**Uspostavljen je 1.1.2013. godine, a od 1.1.2014. godine preimenovan u "Uprava za zaštitu potrošača".*

PHENIXAL METERS, INC. LIMITED

# தமிழக அரசு

03 / Sept. 27.09.2022

தஞ்சாவூர், 15.12.2014

† *Myrica* sp., *Myrica* sp.

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# CAPITAL REGION URBAN TRANSPORT

Regd. Office : Plot No. 548/1452, Patia, Kalarahanga, Bhubaneswar, Odisha,  
(India) Pin No - 751024, Phone : 0674- 3501580, E-Mail :- crutbbsr@gmail.com,

Notice No. 2083/CRUT

## REQUEST FOR PROPOSAL

Date: 27/09/2022

**FOR SUPPLY, INTEGRATION, TESTING & COMMISSIONING OF ELECTRONIC TICKETING MACHINES WITH CLOUD BASED MANAGED AFCS FOR THE PUBLIC TRANSPORT VEHICLES MANAGED BY CRUT ALONG WITH OPERATION AND MAINTENANCE OF 7 (4+3) YEARS.**

- Capital Region Urban Transport (CRUT) invites Proposal from interested agencies for the above-mentioned purpose. Please refer the RFP document for details.
- The RFP document shall be available from 29/09/2022 onwards in following web portal: [www.capitalregiontransport.in](http://www.capitalregiontransport.in). Any further intimation (i.e. Corrigendum/ Addendum/ Responses to the queries/ Clarifications) shall be uploaded in the above website only.
- Applicants are required to submit duly filled Proposal as per the prescribed formats on or before 20/10/2022 by 4:00 PM. The Proposals received shall be opened at 5:30 PM on 20/10/2022.
- In case of any queries/clarifications, email at [crutbbsr@gmail.com](mailto:crutbbsr@gmail.com).
- CRUT reserves the right to accept or reject bid process without assigning any reasons thereof.

Sd/-  
General Manager (P&A),  
Capital Region Urban Transport

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date o

NOTE: Corrigendum & addendum, if any will be published online at:  
<https://eproc.panjab.gov.in>

514/RTP-76/22-6/28/2022  
76155/12/1134/2021/17348



## STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED

19-A, RUKMANI LAKSHMIPATHY ROAD, EGMORE,  
CHENNAI - 600 008.  
CIN U74099TN1971SGC005067

Date: 28.09.2022

### SIPCOT INDUSTRIAL PARK ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed development of SIPCOT Industrial Park at Thappukundu, Poomalaikundu and Upperpatti Villages of Theni Taluk, Theni District, Tamil Nadu from the State Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022.

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

MANAGING DIRECTOR

DPR/WWW/SPLAY/2022

"SIPCOT is a public sector enterprise under the control and management of the Government of Tamil Nadu"

केनरा बैंक Canara Bank

सदस्य बैंक, एन. ए. एस.

A Government of India Undertaking

सिंडिकेट Syndicate

REGIONAL OFFICE,  
DINDIGUL BRANCH

SHRI RAMAN MUTUAL BENEFIT TRUST LIMITED



Selfless Service  
to Industries

# State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

**PROJECT OFFICE: SIPCOT INDUSTRIAL PARK, THENI.**

3-1-110 A4, Cumbum Main Road, Palanichettipatty - 625 531,

Theni Taluk, Theni District.

CIN: U74999TN1971SGC005967

Email ID: [pothn@sipcot.in](mailto:pothn@sipcot.in)

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

Phone: 044-45261777 Fax: 044-45261796 Website: [www.sipcot.tn.gov.in](http://www.sipcot.tn.gov.in) GST. Reg. No: 33AAAC54643J1ZF

**Ref. No: PO/SIP/Theni/EC/2022**

**Date: 06.10.2022**

Consultant (Environment),  
SIPCOT Ltd,  
Chennai -600 008.

Sir,

Sub: SIPCOT Industrial Park, Theni - Environmental Clearance obtained from  
SEIAA - Submission of EC to Local Body Acknowledgement submitted  
- Reg.

Ref: Projects-III/EIA/Theni/ECC/2002, Dated: 28.09.2022.

\*\*\*\*\*

In the above letter reference cited, Environmental Clearance obtained from  
SEIAA submitted to Local Body and their Acknowledgements are enclosed here with  
this letter.

This is submitted for favour of kind information please.

*[Signature]* 6/10/22  
PROJECT OFFICER,  
SIPCOT, THENI.

Encl.: Original Copy of Acknowledgements.



## SIPCOT

Projects-III/EC/ Theni/Cir-LB/2022

Date: 27.09.2022

The President,  
Upparpatti Village Panchayat,  
Theni Taluk, Theni District,  
Tamil Nadu.

Sir,

Sub: SIPCOT - Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu - Submission of Copy of Environmental Clearance (EC) issued by SEIAA - Reg.

Ref: EC Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022

\*\*\*\*\*

With reference to the above, we have obtained Environmental Clearance (EC) from the State Environment Impact Assessment Authority (SEIAA) for the proposed Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District over an extent of 189.39 Hectares (467.97 Acres). The copy of EC has been enclosed here with for your kind perusal.

Sd/-

MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

*Received copy.*  
*M. Chinnaiyan*  
*03/10/2022*  
**PRESIDENT**  
**UPPARPATTY PANCHAYAT**

*Gr. Shew*  
**GENERAL MANAGER (P-III)**

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

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

Phone : 45261777 Fax : 45261796 Website : [www.siocot.in.gov.in](http://www.siocot.in.gov.in)



## SIPCOT

Projects-III/EC/ Theni/Cir-LB/2022

Date: 27.09.2022

The President,  
Thappukundu Village Panchayat,  
Theni Taluk, Theni District,  
Tamil Nadu.

Sir,

Sub: SIPCOT - Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu - Submission of Copy of Environmental Clearance (EC) issued by SEIAA - Reg.

Ref: EC Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022

\*\*\*\*\*

With reference to the above, we have obtained Environmental Clearance (EC) from the State Environment Impact Assessment Authority (SEIAA) for the proposed Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District over an extent of 189.39 Hectares (467.97 Acres). The copy of EC has been enclosed here with for your kind perusal.

Sd/-

MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

*[Handwritten signature in green ink]*

*[Handwritten signature in green ink]*

President

Thappukundu Panchayat  
Theni Dt, Tamilnadu 625536

*[Handwritten signature in green ink]*  
GENERAL MANAGER (P-III)

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

(A Government of Tamil Nadu Undertaking)

CIN: U74899TN1911SGC005007

Regd. Office: 19-A, Rukmani Lakshmi Pathy Road, Post Box No. 722, Egmore, Chennai - 600 008  
Phone: 45261777, Fax: 45261796 Website: [www.sipcot.in](http://www.sipcot.in) gov.in



## SIPCOT

Projects-III/EC/ Theni/Cir-LB/2022

Date: 27.09.2022

The President,  
Kattunaickenpatti Village Panchayat,  
Theni Taluk, Theni District,  
Tamil Nadu.

Sir,

Sub: SIPCOT - Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu - Submission of Copy of Environmental Clearance (EC) issued by SEIAA - Reg.

Ref: EC Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022

\*\*\*\*\*

With reference to the above, we have obtained Environmental Clearance (EC) from the State Environment Impact Assessment Authority (SEIAA) for the proposed Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District over an extent of 189.39 Hectares (467.97 Acres). The copy of EC has been enclosed here with for your kind perusal.

Sd/-

MANAGING DIRECTOR

Encl: AS above.

/Forwarded by Order/

G. Sheil  
GENERAL MANAGER (P-III)

Copy received

R. Mani Kant  
செவ்வாறு

கன. நெய்தல்கண்டியு அறநாடு  
தேவா அறநாடு குடியியல்

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

(A Government of Tamil Nadu Undertaking)

CIN: U74399TN1971SDC005967

Regd. Office: 19-A, Rukman Lakshmi Pathy Road, Post Box No. 7223, Egmore, Chennai - 600 005

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

SIPCOT - State Industries Promotion

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**TAMILNADU WATER SUPPLY AND DRAINAGE BOARD**

From  
**Er. S.JAMES AROCKIASAMY, B.E.,M.Tech**  
 Executive Engineer,  
 Project Formulation Division,  
 Madurai.

To  
 Project Officer,  
 SIPCOT,Theni.

**Lr. No. 16921/F. SIPCOT/THAPPUKUNDU/PE Dn/MDU /2021 dt.16.09.2021**

Sir,

<b>Sub:</b>	TWAD Board – providing 5.00 MLD water supply to SIPCOT Industrial complex, Thappukkundu in Theni district-Land for WTP -3 acre of land - allotment-requested -reg
<b>Ref :</b>	1. Managing Director TWAD Board, Chennai vide Lr No:F-SIPCOT- Nilakottal/AE7/PDC/2020- Dt 06.07.2021 2.Managing Director, SIPCOT, Chennai. Lr.No.IWD/WC/Theni/WS/2021 Dt.03.03.2021

<><><><><><>

With the reference cited, I would like to convey you that the prefeasibility report for providing 5MLD of water supply to the upcoming SIPCOT complex at Thappukkundu has been submitted to Head Office, TWAD Board, Chennai with Mullai Periyar river near Markkayankottai In Theni district as source. It is proposed to provide the Water Treatment Plant in the proposed SIPCOT premises, since no suitable poromboke land is available near the source or en route. The land required for setting up of WTP about 3.00acres with preferable dimensions of 100mx125m may kindly be allocated for setting up of WTP and the land may be handed over to TWAD Board at the earliest.

I request you to remit the requisite upfront investigation charges of Rs 11.00Lakhs immediately to this division so as to take up the investigation and DPR preparation works early for this project.

The remittance S/B account of our division in Bank of India, Mattuthavani Branch, Madurai is 82631010008234 and the IFSC Code is BKID0008353.

Also I request you to furnish the necessary consent letter from competent authority agreeing to the following Terms of Reference (ToR) at the earliest.

- 1) to entrust the project as 100% Deposit work to TWAD Board
- 2) to remit the entire project cost in one lumpsum on receipt of intimation from TWAD Board.
- 3) to enter into an MoU in this regard on finalization of DPR
- 4) to obtain permission from Government for drawal of water from Mullai periyar river, if necessary
- 5) to bear the excess project cost if any arising during actual implementation on receipt of intimation from TWAD Board.

**Encl:** copy of the first page of BOI Passbook-1No

  
Executive Engineer  
TWAD Board, PF Division, Madurai.

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AFFIX YOUR  
PHOTO HERE

သုကာဝါသီဦး

सावधान

### Warning

**SIPCOT – THENI MONITORING PHOTOS**

**AMBIENT AIR QUALITY MONITORING PHOTOS:**



**Near Project site**



**Vayalpatti**



**Kottur**



**Upparpatti**



**Duraiswamipuram**

### Ground water sampling photos



**Vayalpatti**



**Duraiswamipuram**



**Upparpatti**

### **Surface water sampling photograph**



**Kamarajapuram Lake**



**Thanthai Periyar Channel**

### **Soil sampling photograph**



**Project area**



**Vayapatti**



25.09.2024

**Kottur**



25.09.2024

**Duraiswamipuram**



25.09.2024

**Upparpatti**

## Noise monitoring photograph

 <p>25.09.2024</p>	 <p>25.09.2024</p>
<b>Project area</b>	<b>Vayalpatti</b>
 <p>25.09.2024</p>	 <p>25.09.2024</p>
<b>Kottur</b>	<b>Duraiswamipuram</b>



Upparpatti

P-IV/EC/I/179105/2024/THN

Date: 30.09.2024

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

/BYRPAD/

Sir,

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

Ref: SEIAA EC Letter No.SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022.

\*\*\*\*\*

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 Thappukundu, Poomalaikundu and Upparpatti Villages in Theni Taluk, Theni District, Tamil Nadu for the Financial Year ending 31<sup>st</sup> March 2024.

Yours faithfully,  
Sd/-  
MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/



ASSISTANT GENERAL MANAGER (P-IV)

Sir,  
FC compared.  
o/c.  
shel  
30/9/24

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044-45261777

[tapals@sipcot.in](mailto:tapals@sipcot.in)



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## SIPCOT

P-III/EC/Theni/CER/2024

Dated: 08.03.2024

To,  
Thiru. S. Anand, I.F.S.,  
Deputy Director,  
Megamalai Division,  
Srivilliputhur Megamalai Tiger Reserve (SMTR),  
Theni.

Sir,

Sub: SIPCOT - Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu over an extent of 189.39 Ha. (467.97 Acres) - Compliance of SEAC Condition in the Environmental Clearance - Intimation on transfer of fund towards CER activity - Reg.

Ref: 1. EC Issued by SEIAA vide Letter No. SEIAA-TN/F.No.8344/EC/8(b)/866/2022 dated 25.08.2022  
2. Your office vide Letter C.No. L/10657/2020 dated 16.12.2023

\*\*\*\*\*

In the reference 1<sup>st</sup> cited, the State Environment Impact Assessment Authority (SEIAA) has issued Environmental Clearance (EC) for the proposed Development of Industrial Park at Thappukundu, Poomalaikundu and Upparpatti Villages of Theni Taluk, Theni District, Tamil Nadu over an extent of 189.39 Ha. (467.97 Acres).

In the Environmental Clearance issued by SEIAA, under the Specific Condition of SEAC, S.No.19, the below has been stipulated:

*19. As accepted, the PP shall remit Rs. 1 crore each (total Rs. 2 crores) to Wild Life Sanctuary, Megamalai and Wildlife Sanctuary, Theni to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals.*

Wherein your letter ref 2<sup>nd</sup> cited, pointing out the above specific condition imposed in the EC, requested SIPCOT to transfer a sum of Rs. 2,00,00,000/- (Rupees Two Crores Only) to the 'SRIVILLIPUTHUR MEGAMALAI TIGER RESERVE TIGER CONSERVATION FOUNDATION TRUST TAMILNADU' account and ensure the EC Compliance.

**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



**SIPCOT**

/2/

In this regard, we hereby inform that we have transferred a sum of Rs.2,00,00,000/- (Rupees Two Crores Only) to "SRIVILLIPUTHUR MEGAMALAI TIGER CONSERVATION FOUNDATION TRUST TAMILNADU" as online payment (Transaction ID: S95553501) on 08.03.2024, under Corporate Environment Responsibility (CER) activity towards the EC compliance of SIPCOT Industrial Park, Theni. The online payment receipt is enclosed with this letter for your kind reference.

Hence, we request you to carry out appropriate conservation measures, like the creation of water holes, planting of trees and shrubs that provide forage to wild animals, as stipulated in the Environmental Clearance.

Thanking You

Yours faithfully,

GENERAL MANAGER (FINANCE).

Encl: As above.

Copy to:

The Chief Conservator of Forests and Field Director,  
Srivilliputhur Megamalai Tiger Reserve (SMTR),  
Madurai.

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

CIN : U74999TN1971SGC005967

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

### Transaction Details

Account Number: 321901001423

Transaction Date: 08-03-2024 00:00:00

Transaction Amount: INR 2,00,00,000.00

Debit/Credit: Debit

Cheque Number : -NIL-

Transaction Description : INF/NEFT/035558776401/B  
ARB0VJMADU/Srivilliputh  
urM

Transaction ID: S95553501

Transaction Remarks : -

Transaction Balance : INR|2.2813161259E8

**Note: This is an electronically generated receipt and  
does not need any signature.**