



SIPCOT

P-II/EC/Pillaipakkam/HYC/June/2025

Date: 30.05.2025

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

Sir/Madam,

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

Ref: EC vide Letter No. SEIAA/TN/EC/8(b)/112/F-411/2010 dated 11.02.2011

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

Thanking you

Yours faithfully,

CONSULTANT (PROJECT MANAGEMENT)

Encl: As above.

Copy to:

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

P.T.O.

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

CIN : U74999TN1971SGC005967

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

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



SIPCOT

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

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HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the period of October 2024 to March 2025

**For
“Establishment of SIPCOT Industrial Park”
At
Pillaipakkam, Navalur, Vengadu Villages, Sriperumbudur Taluk, Kancheepuram District,
Tamil Nadu**

EC obtained vide Letter NO. SEIAA/TN/EC/8(b)/112/F-411/2010/dt.11.02.2011

Submitted by



**M/S. STATE INDUSTRIES PROMOTION CORPORATION OF
TAMILNADU LIMITED,
19/A ,Rukmani Lakshmipathy Road , Egmore, Chennai-600008.**

Prepared by



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

MAY 2025

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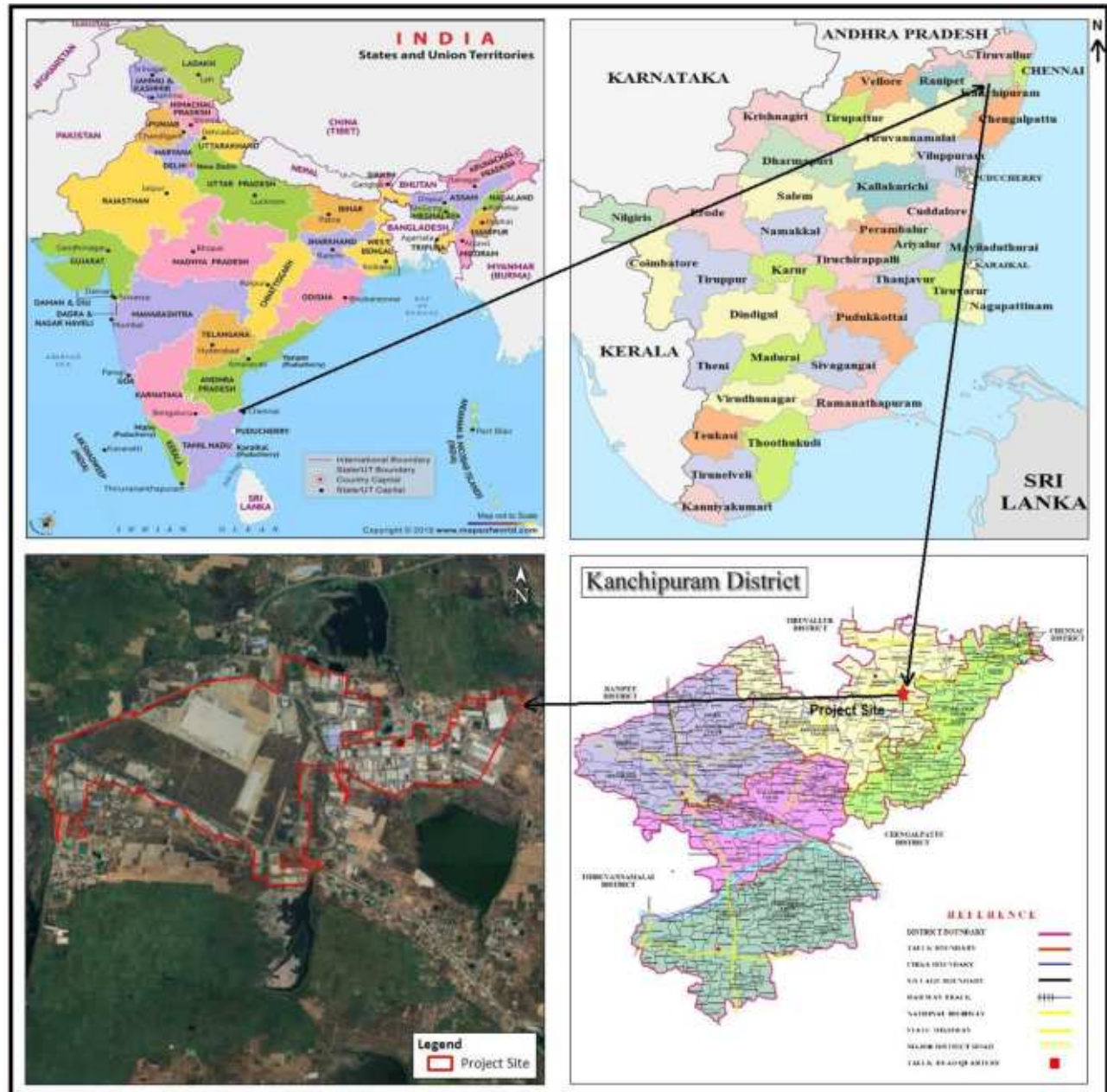
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1. PROJECT DETAILS

Name of the Project	SIPCOT Industrial Park, Pillaipakkam
Name of the Proponent	M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)
Location	Pillaipakkam, Navalur & Vengadu Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu.
EC. No.	SEIAA/TN/EC/8(b)/112/F-411/2010 dated: 11.02.2011 (Enclosed as Annexure -1)
Area Details	342.915 hectare
Water Requirement	1 MGD Source: CMWSSB
Project Cost	Rs.585 Crores

2. LOCATION MAP



3. SITE PHOTOGRAPHS





4. SIX MONTH ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

Part A- Specific Conditions

I. Construction Phase

Construction Phase	Not applicable since construction is completed. Consent to Establish has been obtained from TNPCB and CTE copy is enclosed as Annexure-2 . Individual Industries are mandated to obtain CTE & CTO.
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II. Operation phase

S.NO	CONDITIONS	STATUS OF COMPLIANCE
i.	The water requirement shall be met from the Chembarampakkam Lake through CMWSSB as committed, by you (the proponent).	The water requirement is being met from the Chembarambakkam Lake and TTRO water through CMWSSB. CMWSSB allotment letter is enclosed as Annexure 3 .
ii.	The measures contemplated in the EIA report shall be adhered to by the SIPCOT	Condition is being complied.
iii.	Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.	Not applicable. SIPCOT has not proposed any STP for the Industrial Park.
iv.	The SIPCOT shall house in the Industrial park only industries that do not attract the provision of EIA Notification 2006 as committed.	Condition noted. If any EC category industries are approached then SIPCOT mandates the unit to obtain separate environmental clearance from MoEF&CC / SEIAA-TN.

v.	The allotted industries inside the SIPCOT premises shall obtain consent from the TNPCB.	Condition is being complied. CTE is enclosed as Annexure 2
vi.	There shall be no discharge of effluent outside the SIPCOT Industrial Park at any time.	Not applicable. SIPCOT has not proposed any ETP for the Industrial Park.
vii.	No drawl of ground water is permitted within the SIPCOT Industrial Park premises.	The water requirement is being met from the Chembarambakkam Lake and TTRO water through CMWSSB and the same is enclosed as annexure -3
viii.	SIPCOT shall mandate the member units of the Industrial Park to discharge emissions within permissible limits only and to install adequate APC measures and to allot 30% of the plot area for green belt development and to install RWH structures.	Condition is being Complied. SIPCOT has instructed the individual industries to follow applicable rules and guidelines. Greenbelt photograph is enclosed as Annexure 5
ix.	The unit shall furnish separate plan of action for disposal of treated sewage during monsoon months such as optimal minimized usage of water, regulate the application of treated sewage to avoid stagnation etc.	SIPCOT has not proposed any STP within the industrial park. Individual industry has established its own STP and is required to manage treated sewage in compliance with the conditions stipulated in the Consent Orders issued by the TNPCB. STP/ ETP photograph of member units is enclosed as Annexure-12.

x.	Organic converter shall be installed for treating the organic waste and sludge from septic tank and the treated mass shall be used as manure.	Condition noted. SIPCOT has not proposed any STP within the industrial park. Organic waste is being converted as manure.
xi.	Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface runoff, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease.	Condition noted. Rain water harvesting for SIPCOT project office has been provided. Further, Individual industries have provided rainwater harvesting system within their premises. RWH photograph of member units is enclosed as Annexure-15 .
xii.	The Plastic wastes shall be segregated and disposed through authorized recyclers.	Condition is being complied.
xiii.	A First Aid Room shall be provided with qualified personnel during operation of the project.	Condition noted. First aid room photograph of member units is enclosed as annexure -19
xiv.	Adequate fire protection equipment and rescue arrangements should be made.	Condition noted. Fire protection photograph is enclosed as annexure -18 .

xv.	A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of firefighting equipments and operations.	<p>Condition complied.</p> <p>Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards.</p> <p>Details of Roles and responsibilities of Environment cell with Organogram is attached as Annexure - 4.</p> <p>Further, individual industries will have qualified trained personnel for handling of firefighting equipments operations.</p>
xvi.	The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems etc. and the noise level shall be maintained as per MoEF, CPCB, TNPCB guidelines / norms both during day and night time.	Not applicable. It is an infrastructure development project involving the construction of roads, storm water drains, street lighting, greenbelt development, and related works. Further, SIPCOT has not proposed the installation of any noise-generating equipment, such as diesel generator (DG) sets. Noise monitoring quality report is enclosed as Annexure 6.
xvii.	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of suitable variety	<p>Condition is being complied.</p> <p>Individual industries have developed greenbelt along the periphery of their plots, and photographs of the same are enclosed as Annexure -9</p> <p>Noise monitoring quality report is enclosed as Annexure 6.</p>
xviii	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the buildings shall be provided.	<p>Condition noted.</p> <p>Individual industries are utilizing solar energy for their operations.</p> <p>Solar energy utilization photograph is enclosed as annexure -14</p>

xix.	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.	Condition is being complied. Separate exit and entry points are provided, Parking is fully internalized and no public space is utilized for loading and unloading purpose. Parking area photographs of SIPCOT and member units is enclosed as annexure -16
xx.	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 months' time.	Condition noted.

Part – b. General conditions (construction and operation stage)

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	It is mandatory for the Project Proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.	Condition is being complied. Half Yearly compliance report is being submitted to the SEIAA periodically. Screenshot of the previous Half Yearly compliance report is uploaded in the portal is enclosed as Annexure. 7
2.	In the case of any change(s) in the scope of the project, a fresh Environmental Clearance from the SEIAA shall be obtained.	Condition noted. There is no change in scope of the project.

3.	The SEIAA reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the Environmental Clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed to the condition.
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, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.	Condition noted. Peso approval photograph is enclosed as annexure-17

5.	<p>The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that</p> <p>i) The project has been accorded Environmental Clearance</p> <p>ii) Copies of clearance letters are available with the Tamil Nadu Pollution Control Board.</p> <p>iii) Environmental Clearance may also be seen on the website of the SEIAA. (www.seiaa.tn.gov.in).The advertisement should be made within. 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.</p>	Condition complied.
6.	<p>All the stipulations stated under Part-A and Part B above would be enforced in addition to the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981,the Environment (Protection) Act, 1986 and EIA Notification, 2006.</p>	<p>Condition Noted.</p> <p>CTE is enclosed as Annexure 2.</p>
7.	<p>Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that Construction of the project has been started without obtaining Environmental Clearance, and for action for any violation of any condition stipulated in Part - A & Part - B of the Environmental Clearance.</p>	<p>Condition Noted.</p> <p>Environmental Clearance is obtained from SEIAA</p> <p>EC is enclosed as Annexure 1</p>

8.	This Environmental Clearance is subject to final orders of the Hon'ble Supreme Court of India in the matter of Goa foundation Vs. Union of India in Writ Petition (civil) No.460 of 2004 as may be applicable to this	Condition Noted.
9.	This Environmental Clearance is valid for five years from the date of issue.	Condition Noted.
10.	Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project and report furnished to the Tamilnadu Pollution Control Board.	Condition is being complied. Ambient air quality, noise and water quality is being monitored periodically after commissioning of the project and report is being submitted to the TNPCB. Environmental Monitoring report is enclosed as Annexure 6.
11.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) on incremental pollution load to the Regional Office of MoEF, Bengaluru, the Zonal Office of CPCB, Bengaluru and the TNPCB. This shall also be put on the website of the Company by the proponent.	Condition is being complied. Six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data on incremental pollution load to the Regional Office of MoEF, the Zonal Office of CPCB, and the TNPCB is being submitted periodically. Further these reports are uploaded on the SIPCOT website. Screenshot of compliance report uploaded in website is enclosed as Annexure 7.

12.	The criteria pollutant levels namely; SPM, RS PM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the complex in the public domain.	<p>Condition is being complied.</p> <p>The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project are being monitored.</p> <p>Ambient air quality is monitored regularly and the report is enclosed as Annexure 6.</p>
13.	A copy of the clearance letter shall be sent by the proponent to the Commissioner, Sriperumbudur Panchayat Union, Sriperumbudur Taluk, Kancheepuram District and the Local NGO if any, from whom suggestions/representations. If any were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	<p>Condition complied.</p> <p>EC copy is uploaded in the website and the screenshot is enclosed as Annexure 8.</p>

5. ENVIRONMENTAL MONITORING DETAILS

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

5.1 Ambient Air Quality monitoring

During operation phase, particulate matter and gaseous emissions are likely to arise from the site movement of vehicles, operation of DG sets etc., the ambient air quality parameters such as Particulate matter<10 μ (PM10), Particulate matter<2.5 μ (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx) and Carbon monoxide were monitored. The test report of ambient air quality for the period of October 2024 to March 2025 is enclosed as **Annexure - 6**.

5.2 Ambient Noise level monitoring

Ambient noise quality was monitored and the test report of ambient noise recorded during the period of October 2024 to March 2025 is enclosed in **Annexure - 6**.

5.3 Soil quality monitoring

Soil samples were collected and analyzed for nutrients and heavy metals. The test report of soil samples collected and analyzed during October 2024 to March 2025 is enclosed as **Annexure - 6**.

5.4 Ground water quality monitoring

Ground water was tested for various water quality parameters during October 2024 to March 2025. The test report of ground water collected and analyzed is enclosed as **Annexure - 6**.

5.4 Surface water quality monitoring

Surface water was collected for various water quality parameters during October 2024 to March 2025. The test report of surface water collected and analyzed is enclosed as **Annexure - 6**.

6. CONCLUSION

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



Dr. RAJKUMAR SAMUEL
Director Technical

Name: Dr. Rajkumar Samuel

Designation: Director Technical

Company Name: Hubert Enviro Care
Systems Private Limited

Thiru.T.S.Srinivasamurthy, I.F.S.,
DIRECTOR OF ENVIRONMENT AND
MEMBER SECRETARY



STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,
4-D, Panagal Maligai, 1 Jeenu Road,
Saidapet, Chennai-600 015.

Letter No. SEIAA / TN/EC/8(b)/112/F- 411/2010 / dt.11.02.2011

To

The Chairman & Managing Director,
M/s.SIPCOT Limited,
19/A, Rukmani Lakshmipathy Road,
Egmore, Chennai-600 008.



Sir,

Sub: SEIAA, TN - Environmental Clearance for development of SIPCOT Industrial Park at SF.No - Vide Annexure, Pillaipakkam, Navalur & Vengadu Villages, Sriperumbudur Taluk, Kancheepuram District by M/s. SIPCOT - Issued- Regarding.

This has reference to your application No. Nil dated 29.11.2010 submitted to the State Level Environment Impact Assessment Authority, Tamil Nadu seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006.

It is noted, inter alia, that the project proposal is for the infrastructural development of an Industrial park at SF.No. Vide Annexure of Pillaipakkam, Navalur & Vengadu Villages, Sriperumbudur Taluk, Kancheepuram District as per the application submitted. The total area of development is 342.915 ha and total built-up area as reported is 740.10 acres to accommodate industries that does not attract the provision of EIA Notification 2006, mainly falling under mechanical fabrication / manufacturing category of industries. The member units will be required to take consent from the TNPCB.

As a developer the SIPCOT has proposed to provide infrastructure facilities like roads, storm water drains, street lights, water supply, avenue plantations etc. SIPCOT proposes to allot only lands to the industrial entrepreneurs and to insist them to maintain ZLD in accordance with the TNPCB norms.

Total water requirement for the project is 1 MGD which will be met from the Chembarambakkam Lake vide G.O.Ms.No.734, dt.22.12.1997 through CMWSSB. It has been proposed to provide septic tank with soak pit for treating the 2 KLD sewage generated from the administrative buildings of SIPCOT.

The allotted units will be mandated by the SIPCOT to put up ZLD based Effluent Treatment Plants and will completely recycle or reuse the treated effluent in the process, utilities and for green belt development. No disposal of effluent outside the premises will be permitted by the SIPCOT.

The member units will be mandated by the SIPCOT to discharge emissions within permissible limits only and to install adequate APC measures. Process solid waste & ETP sludge will be collected, stored temporarily and the member units will be mandated to dispose the solid waste to the offsite management facility. The member units will be mandated to allot 10% of the plot area for parking of vehicles, 30% of the plot area for green belt development and to install RWH structures. For power requirement the SIPCOT has proposed to allot 10 acres of land within their premises to the TNEB for setting up of sub-station. The total cost of the project is about Rs. 585 Crores (Variable).

The Proposal has been appraised by the State Level Expert Appraisal Committee in its meeting held on 07.01.2011 as per the prescribed procedure in the EIA Notification, 2006 and on the basis of the mandatory documents enclosed with the application.

The project activity is covered in 8(b) of the Schedule and is of "B₂" category. The SEAC in its meeting held on 07.01.2011 decided as follows:

"As per the amendment dt.01.12.2009 to the EIA Notification 2006, the Industrial Estate of area less than 500 hectare but contains building and construction projects > 20,000 sq meter and or development area more than 50 hectare will be treated as activity listed at serial no. 8(a) or 8(b) in the schedule, as the case may be.

In this proposal, no. 'A' or 'B' category industry has been proposed to be housed and also the development area (342.915 hectare) is more than 50



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hectare and hence this project is considered as 8(b) category which requires EIA report and does not require Public Hearing ."

Therefore it does not require Public Consultation as per Para 7(i) III Stage (3) (d) "Public Consultation" of EIA Notification, 2006.

The SEAC, after due consideration of the relevant documents submitted by the Project Proponent and additional clarifications furnished in response to its observations, has recommended to the SEIAA, Tamil Nadu to grant Environmental Clearance to this project. The proposal was placed before the SEIAA, Tamil Nadu in its meeting held on 08.02.2011.

The SEIAA decided to accept the recommendations of the SEAC and to grant Environmental Clearance to the project under the provisions of the EIA Notification dated 14th September, 2006, as amended subject to the strict compliance of the terms and conditions stipulated below:

PART A- SPECIFIC CONDITIONS

Construction Phase

- i) "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.
- ii) The project should be commissioned only after securing water supply connection from the Chembarambakkam Lake through CMWSSB.
- iii) The excavated earth / construction debris must be used within the premises only.
- iv) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water and

solid wastes generated during the construction phase should be ensured.

- v) All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.
- vi) For disinfection of waste-water, system using ultra violet radiation shall be adopted.
- vii) For Solid-waste management, composting arrangements shall be provided for biodegradable waste at site.
- viii) The e - waste generated shall be handed over to the authorized recyclers.
- ix) 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.
- x) A First Aid Room shall be provided with qualified personnel during operation of the project.
- xi) The entire quantum of top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
- xii) Disposal of muck, generated during the construction phase should be so managed as not to create any adverse effect on the neighboring areas and communities and be disposed of only in approved sites with the approval of the concerned local body with necessary precautions for general safety and health aspects of people.
- xiii) Soil and ground water samples shall be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- xiv) Construction spoils and spills including bituminous materials and other hazardous materials must not be allowed to contaminate water courses. The dump sites for such materials must be impervious so that they do not leach into the ground water.



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- xv) Low sulphur diesel shall be used for the 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.
- xvi) Vehicles hired for bringing construction materials to the site should be in good operable condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- xvii) Ambient air and noise level 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 construction phase and results of monitoring shall be furnished to the Tamilnadu Pollution Control Board. Adequate measures to reduce air and noise pollution during construction shall be adopted, conforming to the norms prescribed by the TNPCB on noise limits.
- xviii) Building materials composed wholly or partly of fly Ash should be used in the construction activities as per the provision of Fly ash Notification of September, 1999 as amended in August, 2003.
- xix) Ready mixed concrete must be used in building construction.
- xx) Storm water control and its re-use shall be as per CGWB and BIS standards for various applications.
- xxi) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- xxii) 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.

- xxiii) Use of glass may be reduced by up to 40% to reduce the electricity consumption load on air conditioning. If necessary, high quality double glass with special reflecting outside coating shall be used for windows.
- xxiv) Roof should be designed to meet prescriptive requirement of Energy Conservation Building Code (ECBC) by the use of appropriate thermal insulation material.
- xxv) Opaque wall should be made to meet prescriptive requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material.
- xxvi) Proper approach road for fire fighting vehicles and for rescue operations in the event of emergency shall be provided.
- xxvii) Adequate fire protection equipments and rescue arrangements should be made.
- xxviii) A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of fire fighting equipments / operations.
- xxix) Design of buildings should be in conformity with the Seismic Zone Classification.
- xxx) All Energy Conservation Building Code (ECBC) norms shall be adopted.
- xxxi) Rubber padding to absorb noise while loading & unloading operation should be provided.
- xxxii) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearance from other statutory and administrative authorities.
- xxxiii) This 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 take decisions independently of the Environmental Clearance.
- xxxiv) The probable date of commissioning of the project supported with necessary bar charts shall be furnished to the SEIAA, Tamil Nadu.



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Operation Phase

- i) The water requirement shall be met from the Chembarambakkam Lake through CMWSSB as committed, by you (the proponent).
- ii) The measures contemplated in the EIA report shall be adhered to by the SIPCOT.
- iii) Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.
- iv) The SIPCOT shall house, in the Industrial park only industries that do not attract the provision of EIA Notification 2006 as committed.
- v) The allotted industries inside the SIPCOT premises shall obtain consent from the TNPCB.
- vi) There shall be no discharge of effluent outside the SIPCOT Industrial Park at any time.
- vii) No drawal of ground water is permitted within the SIPCOT Industrial Park premises.
- viii) SIPCOT shall mandate the member units of the Industrial Park to discharge emissions within permissible limits only and to install adequate APC measures and to allot 30% of the plot area for green belt development and to install RWH structures.
- ix) The unit shall furnish separate plan of action for disposal of treated sewage during monsoon months such as optimal / minimized usage of water, regulate the application of treated sewage to avoid stagnation etc.
- x) Organic converter shall be installed for treating the organic waste and sludge from septic tank and the treated mass shall be used as manure.

- xi) Rain water harvesting for roof run-off and 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.
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- xvii) The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of suitable variety.
- xviii) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the buildings shall be provided.
- xix) 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.
- xx) 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.



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

PART-B. GENERAL CONDITIONS (Construction and Operation stage)

- 1) It is mandatory for the Project proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.
- 2) In the case of any change(s) in the scope of the project, a fresh Environmental Clearance from the SEIAA shall be obtained.
- 3) The SEIAA reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the Environmental Clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- 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, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.
- 5) The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that
 - i) The project has been accorded Environmental Clearance.
 - ii) Copies of clearance letters are available with the Tamil Nadu Pollution Control Board.
 - iii) Environmental Clearance may also be seen on the website of the SEIAA(www.seiaa.tn.gov.in)

The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.

- 6) All the stipulations stated under Part A and Part B above would be enforced in addition to the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and EIA Notification, 2006.
- 7) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that Construction of the project has been started without obtaining Environmental Clearance, and for action for any violation of any condition stipulated in Part – A & Part – B of the Environmental Clearance.
- 8) This Environmental Clearance is subject to final orders of the Hon'ble Supreme Court of India in the matter of Goa foundation Vs. Union of India in Writ Petition (civil) No.460 of 2004 as may be applicable to this project.
- 9) This Environmental Clearance is valid for five years from the date of issue.
- 10) Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project and report furnished to the Tamilnadu Pollution Control Board.
- 11) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) on incremental pollution load to the Regional Office of MoEF, Bengaluru, the Zonal Office of CPCB, Bengaluru and the TNPCB. This shall also be put on the website of the Company by the proponent.
- 12) The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the complex in the public domain.



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

- 13) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Sriperumbudur Panchayat Union, Sriperumbudur Tk., Kancheepuram District and the Local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

[Signature] 11/2/11
Member Secretary
State Level Environment Impact
Assessment Authority,
Tamil Nadu.

Copy to:-

1. The Secretary to Government, Environment & Forests Dept,
Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Secretary to Government, Industries Dept,
Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
3. The Chairman, Central Pollution Control Board, Parivesh Bhavan,
CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
4. The Member Secretary, Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy, Chennai-600 032.
5. The CCF, Regional Office, Ministry of Environment & Forest (SZ),
Kendriya Sadan, IV floor, E&F wings, 17th Main Road,
Koramangala II Block, Bangalore - 560034.
7. Monitoring Cell, I A Division, Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex, New Delhi 110003.
8. The District Collector, Dt. Collectorate,
Kancheepuram District.

9. The Commissioner Sriperumbudur Panchayat Union,
Sriperumbudur Tk, Kancheepuram District.

10. The Chief Engineer (Chennai Region),
WRO, Taramani, Chennai.

11. Stock File.



TAMILNADU POLLUTION CONTROL BOARD

131745

Annexure 2

CONSENT ORDER NO. 5844 Dated:19.03.2012.

PROCEEDINGS NO. T2/TNPCB/F-2011/W/SPR/2012 Dated:19.03.2012.

Consent for Establishment under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988.

Sub: TNPC Board Consent for establishment - M/s. SIPCOT INDUSTRIAL PARK - PILLAIPAKKAM at (Extent of 342.915 hectares (Patta land of 267.270 hectare and Pormboke land of 75.625 hectares), S.F.No: 1 etc of PILLAIPAKKAM village, 233 etc of VENGADU village 314 etc of NAVALUR VILLAGE, SRIPERUMPUDUR TALUK, KANCHEEPURAM DISTRICT - for the establishment or take steps to establish the industry under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988(Central Act 53 of 1988).

Ref: 1. Your application No: Dated:03.06.2011.
2. IR.F.SPR1434/RL/DEE/SPR/2011 Dated:15.07.2011.
3. Sub Committee -TSC II ITEM NO: 68-09 Dated:28.02.2012.

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 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The Chairman cum Managing Director,
M/s. SIPCOT INDUSTRIAL PARK - PILLAIPAKKAM,
Kancheepuram District

(hereinafter referred to as 'The Applicant') authorising him to establish to take steps to establish the industry in the site mentioned below:

at S.F.No: 1 etc of PILLAIPAKKAM Village,
233 etc of VENGADU Village 314 etc of
NAVALUR VILLAGE, SRIPERUMPUDUR TALUK,
KANCHEEPURAM DISTRICT.



This Consent to establish is valid for two years, 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.

Sd/- xxx

Chairman
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI

The Chairman cum Managing Director,

Ms. SIPCOT INDUSTRIAL Ltd

19/A, Rukmani Lakshmipathy Road

Equimore!

Chennai - 600 008

Copy to:

1. The District Environmental Engineer,
Tamilnadu Pollution Control Board,
Sriperumbudur - For information and necessary action.
Kancheepuram DE
2. The Commissioner,
Sriperumbudur Panchayat Union,
Kancheepuram DE
3. Technical file.
4. Spare

//forwarded by order//

S. Savonius
for CHAIRMAN 2/3/01

RSG/193/12-5

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாய்வுக்கு!



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1. DETAILS OF PRODUCTS MANUFACTURED:

Sl. No	Description	Quantity/Month
	The Industrial Park undertake development, maintenance of the common infrastructure such as roads, water supply, Storm water drainage system and establishment of Mechanical fabrication/ Manufacturing and Allied industries only.	

1. This consent to establish is valid for the manufacture of products and the rate of production mentioned above. Any change in rate of and the quantity or quality of the products has to be brought to the notice of the Board.
2. The unit shall install Sewage Treatment Plants as proposed to ensure that the effluent to be discharged shall satisfy the standards prescribed by the Board for disposal of effluent into inland surface waters/public sewers/marine coastal areas/on land for irrigation.
3. The unit shall install sewage treatment system for the treatment of waste water arising out of the sanitary facility and waste water generated from canteen.
4. The unit shall construct effluent drains/cable drains/storm water drains separately and provide different colour sign boards along with alignment of various drains as indicated in the site plan furnished by the industry.
5. Each vessel/reactor should have its own catch pit for the collection of pills and each pump in the process section must be mounted on its own catch pit with the suction line of the pump connected to pit to empty periodically/regularly/continuously.
6. It has to be ensured by the unit that the floors with the expanded metal, slotted angle stool sinks, steel gates shall be built to the maximum possible to avoid floor washings.
7. If the plant layout demands that the vessels should be installed in upper floor, it shall provide suitable system to minimise spill/leakages and also to collect and drain the spillages into effluent drain leading to the Effluent Treatment Plant by providing suitable gradient to the properly lined bottom floor.
8. The unit shall construct tank or lagoon of adequate capacity with compatible impervious material for the storage of hazardous/solid wastes.
9. The unit shall ensure that the corrosion prone areas and construction material liable to atmospheric and process induced corrosion shall be given special attention for immediate replacement with least preventive maintenance.



TAMILNADU POLLUTION CONTROL BOARD

10. The unit has to provide facilities separately outside the main production plant for carrying out detoxification operations if any.

11. In order to collect spills from a particular vessel before the spilled materials get a chance for contamination with spills from another vessel, the two vessels must be installed at sufficient distance to ensure that inter contamination cannot take place.

12. Flange joints in the pipelines should be avoided wherever possible.

13. The unit shall establish laboratory with adequate analytical equipments for analysing the trade effluent/sewage as well as samples of water collected from the wells nearby if any.

14. The unit shall construct compound wall around the boundary of the unit, to a height of metres from ground level.

15. The unit shall appoint an Environmental Engineer with experience of minimum three years in maintenance of waste water treatment plants, before commissioning, along with supporting staff, chemist, technician and operators. 5)

16. Following location specific conditions must be satisfied:

(i)

- pl. vide Annexure

(ii)

(iii)

17. The following process specific conditions must be satisfied:

(i)

- pl. vide Ann-

(ii)

(iii)

18. The applicant unit, M/s. SIPCOT INDUSTRIAL PARK -PILLAIPAKKAM at PILLAIPAKKAM, NAVALUR and VENGADU VILLAGES, SRIPERUMPUDUR TALUK, KANCHEEPURAM DISTRICT (Extent of 342.915 hectares (Patta land of 267.270 hectare and Pomboke land of 75.625 hectares), is legally responsible under the provisions of enacted environmental Acts for the establishment, O & M of the sewage treatment plants, development and maintenance of the common infrastructure such as roads, water supply, sewage treatment plant, storm water drainage system, sewerage system for the proposed beneficiary units of Mechanical fabrication/Manufacturing



TAMILNADU POLLUTION CONTROL BOARD

- and Allied industries only. (as per para 4.1 in Impact Evaluation and Assessment Chapter of Rapid EIA-EMP.) The applicant unit shall ensure that there shall be no discharge of effluents on land or into any water resources.
19. The applicant Industrial Park shall house only Mechanical fabrication/Manufacturing and Allied industries only. (as per para 4.1 in Impact Evaluation and Assessment Chapter of Rapid EIA-EMP.)
20. The applicant Industrial Park shall ensure that no industry shall be permitted to carry out establishment works without obtaining Consent for Establishment of the TNPCB.
21. No application for consent to establish pertaining to red and ultra red category units as per TNPCB, B.P No.18, dt:11.06.07 and activity falling under Category A or B stated in the EIA Notification, 2006 within the applicant premises of M/s. SIPCOT INDUSTRIAL PARK -PILLAIPAKKAM at PILLAIPAKKAM, NAVALUR and VENGADU VILLAGES, SRIPERUMPUDUR TALUK, KANCHEEPURAM, DISTRICT (Extent of 342.915 hectares (Patta land of 267.270 hectare and Pomboke land of 75.625 hectares),
22. The applicant unit shall ensure that all the beneficiary units have to apply for consent to establish under the Water & Air Acts and no establishment activities shall be carried out by the beneficiary units without obtaining the consent to establish under the Water & Air Acts.
23. The applicant unit shall furnish appropriate land use reclassification certificate obtained from the competent authority before applying CTO.
24. The applicant unit shall furnish ground water clearance from the competent authority, from the Public Works Department, as per G.O.Ms.No 51, dt. 11.2.2004, before applying CTO.
25. The applicant unit shall have to obtain all other required clearances for setting up Industrial Park for steel fabrication units from concerned competent authority.
26. Sewage shall be disposed after adequate treatment and confirm to the following standards and it shall be utilized on land for gardening, plantation and irrigation within the park premises.

pH	5.5 – 9.0
BOD	Less than 20 mg/l
Suspended Solids	Less than 30 mg/l



TAMILNADU POLLUTION CONTROL BOARD

27. SIPCOT shall incorporate the following condition in the individual land deed to be allotted to the allottees, 30% of the allotted area shall be maintained for Greenery so as to make a buffer zone all around the Industrial Park.

28. The applicant unit shall have to comply with provisions of Hazardous Waste (Management & Handling) Rules 1989 as amended from time to time.

29. The applicant unit shall provide Electromagnetic flow meter (EMFM) with computer recording arrangements to assess the quantity of sewage effluent (to record the instantaneous and cumulative quantity of effluent) at the following points:

i. Outlet of the equalization tank.

ii. Outlet of the treated effluent collection tank

30. The applicant unit shall establish a laboratory and technical crew comprising of environmental engineers/scientists, chemists, experienced mechanics and electricians with adequate training in (O&M) of the proposed effluent treatment systems / air pollution control measures in order to maintain the wholesomeness of the Industrial Park.

31. The applicant unit shall obtain ISO 14000 certification for its environmental compliance.

32. 30 % of the land area acquired by the applicant unit including all beneficiary units shall be developed as a green belt with trees having a thick canopy cover. The applicant unit shall also maintain the trees planted outside the premises. The species of trees should be chosen in consultation with the local DFO and seedlings should be at least 2 mt. tall. If no space is available within the premises, trees shall be planted outside the premises. The unit shall adopt drip irrigation system for green belt development.

33. The consent to establish is issued without prejudice to the right of Tamilnadu Pollution Control Board to collect consent fees for this consent order at the rates to be revised by the Government of Tamilnadu.

34. The applicant unit must provide Rainwater Harvesting facilities within the premises so as to increase the recharging of ground water in that area. Necessary permission shall be obtained from irrigation department for rainwater harvesting and recharging work. Basic survey of existing contours should be made to study the present natural drainage system. Natural drain/flow should not be obstructed by any kind of work for this. The applicant unit should submit detailed report stating technical aspects and methodology of water harvesting system along with all components and get approval thereof.



TAMILNADU POLLUTION CONTROL BOARD

35. The applicant unit shall furnish the Environmental Statement for the financial year ending the 31st March of Tamilnadu Pollution Control Board on or before the thirtieth day of September every year in Form V as per Rule 14 of the Environmental (Protection) Rules, 1986 as amended.
36. The premises of the industrial park both inside and outside should be kept clean. Attention should be given to good housekeeping within the premises and the immediate vicinity of the factory. All pipes, valves, sewers and drains shall be leak proof. Floor washings should be drained into the effluent collection system only and should not be drained into storm water drains or open areas. There should not be any debris, plastic wastes other rubbish etc., lying within or outside the factory.
37. The applicant unit and all its beneficiary units should not start any processing work including trial run without obtaining consent to operate from the Tamilnadu Pollution Control Board.
38. The applicant unit shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act 1977.
39. The solid waste generated in the complex should be segregated, treated and disposed off as per the provisions contained in the Municipal Solid Waste Rules 2000.
40. The applicant unit M/s. SIPCOT INDUSTRIAL PARK, PILLAIAPPAKKAM shall ensure that its beneficiary units have authorization of the Board for waste oil/used oil generated from the applicant unit, and shall be managed / handled as per Hazardous Waste (Management & Handling) Rules 1989 as amended.
41. The applicant unit should obtain prior authorization of the Board for Bio Medical waste generated from health care facility and shall be managed and handled as per Bio Medical Waste Rules 1998.
42. The project authorities, as part of their environmental management, shall prepare and implement a scheme for protection of the flora and fauna.
43. The services like health and education facilities which may be developed as part of the complex should be accessible to the nearby villagers at an affordable price.
44. The project shall resort to solar energy to the extent possible and particularly in the supply of hot water and street lighting.
45. A community welfare scheme for improving the socio-economic environment should be worked out and shall be converted into a time bound action plan. A report in this regard shall be submitted to the Board and Government for review.



TAMILNADU POLLUTION CONTROL BOARD

46. If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property in that case they are obliged to pay the compensation as determined by the competent authority;

47. The applicant unit shall have to register the park under the provisions of the Factories Act 1948 and shall obtain the necessary Factory License.

48. The Environmental Management Unit / Cell shall be setup to ensure implementation and monitoring of Environmental safe guards and other conditions stipulated by statutory authorities. The Environmental Management Unit / Cell shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing Environmental Issues. This Cell shall also co-ordinate the exercise of Environmental Audit and preparation of Environmental Statements.

49. The applicant unit shall have to obtain public liability insurance policy as per PLI Act 1991 and submit the copy of the same to the Board.

50. The unit shall have and use only one outlet for the discharge of its effluent and no effluent shall be discharged without requisite treatment and without meeting with the TNPC Board Norms. The unit shall not keep any bye pass line or system or loose or flexible pipe for discharging effluent outside or even for transporting treated or untreated effluent within the premises, within effluent treatment plants or in the compound of the park premises.

51. The printed log books shall be maintained and get it certificate for a) Energy / Fuel consumption b) Waste water / gaseous flow at inlet and outlet of STP and Air Pollution Control Measures. c) Quantity of sludge generated d) Laboratory analysis / reports for each of the specified parameters of liquid effluents and sludge samples.

52. The ground water quality around the Industrial Park should be monitored on a regular basis. The monitored data should be submitted to the TNPC Board once in six months.

53. Periodical medical check up of the workers should be done and records maintained as a measures to provide occupational health service to the workers.

54. The facilities to be constructed for the project shall not cause any inconvenience or disturbance to the local communities including the farmers.

55. The applicant unit, M/s. SIPCOT INDUSTRIAL PARK -PILLAIPAKKAM, shall ensure that the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.



TAMILNADU POLLUTION CONTROL BOARD

56. The applicant unit, M/s. SIPCOT INDUSTRIAL PARK -PILLAIPAKKAM shall ensure that soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
57. The applicant unit, M/s. SIPCOT INDUSTRIAL PARK -PILLAIPAKKAM, shall ensure that fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of thermal Power Stations.
58. The applicant unit M/s. SIPCOT INDUSTRIAL PARK -PILLAIPAKKAM, shall ensure that the approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightening etc.
59. The applicant unit shall ensure that the beneficiary units are having individual ETP/STP system for the treatment of their process effluent/ domestic sewage.

Sd/ xxx

CHAIRMAN,

TAMILNADU POLLUTION CONTROL BOARD
CHENNAI.

//Forwarded by order//

For CHAIRMAN.

21/3/12

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

1. The above consent to establish cannot be construed as consent to operate.
2. The industry shall make a request for grant of consent to operate atleast sixty days before the commissioning of trial production.
3. The applicant shall maintain good house keeping both within the factory and in the premises. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way to storm water drains or open areas.
4. The unit has to provide sludge and silt traps and manholes along the effluent drains for periodical desilting and desludging operation.
5. All places of storage of solid/liquid material are to be dyked with bunding facilities and the flooring within the dyked and bunding area shall be lined with impervious materials depending upon the nature of the solid/liquid to be stored.
6. As the unit proposes to utilise the treated trade effluent on inland for irrigation, the land has to be made fit for irrigation in consultation with the agricultural scientist to avoid more percolation.
7. Samples of water from the wells or any other nearby water sources have to be taken by the unit and get them analysed by the Board Laboratory to develop base line data to assess the existing water quality.
8. The unit shall provide separate power connection for the Effluent Treatment Plant and install separate energy meter for the Effluent Treatment Plant as well as for aerators if any.
9. The unit shall provide an alternate power source sufficient to operate all the facilities to be installed in Effluent Treatment Plant by the applicant.
10. The consent does not authorise or approve the construction of any physical structures or facilities, or the undertaking of any work in any natural water course.
11. 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.
12. 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.



TAMILNADU POLLUTION CONTROL BOARD

13. Consent to operate will not be issued unless the unit complied with the conditions of consent to establish, otherwise, the order of consent to establish already issued will be revoked with immediate effect.

Sd/ xxx

CHAIRMAN

TAMILNADU POLLUTION CONTROL BOARD
CHENNAI

//Forwarded by order//

For CHAIRMAN.

2/3/12

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு ! புறம் தூய்மை வாழ்வுக்கு !



21 MAR 2012



TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. 5784 Dated: 19.03.2012.

PROCEEDINGS NO. T2/TNPCB/F-2011/A/SPR/2012 Dated: 19.03.2012.

Consent for Establishment under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended in 1987.

Sub: TNPC Board - Consent for establishment - M/s. SIPCOT INDUSTRIAL PARK - PILLAIPAKKAM at (Extent of 342.915 hectares (Patta land of 267.270 hectare and Pomboke land of 75.625 hectares), S.F.No: 1 etc of PILLAIPAKKAM village, 233 etc of Vengadu village 314 etc of Navalur Village, Sriperumpudur Taluk, Kancheepuram District for the establishment or take steps to establish the industry under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended in 1987.

- Ref: 1. Your application No. Dated: 03.06.2011.
2. I.R.F. SPR1434/RL/DEE/SPR/2011 Dated: 15.07.2011.
3. Sub Committee - TSC II ITEM NO. 68-09 Dated: 28.02.2012.

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 Chairman cum Managing Director,
M/s. SIPCOT INDUSTRIAL PARK - PILLAIPAKKAM,
Kancheepuram District

(hereinafter referred to as 'The Applicant') authorising him to establish or take steps to establish the industry in the site mentioned below.

at S.F.No: 1 etc of PILLAIPAKKAM Village,
233 etc of VENGADU Village 314 etc of NAVALUR VILLAGE,
SRIPERUMPUDUR TALUK,
KANCHEEPURAM DISTRICT.



Sd/- xxx
Chairman,

To
The Chairman cum Managing Director
M/s. SIPCOT INDUSTRIAL Ltd,
19/A, Rukmani Lakshmipathy Road,
Egmore,
Chennai - 600 008.

COPY to:

1. The District Environmental Engineer,
Tamilnadu Pollution Control Board,
Sriperumbudur. For information and necessary action.
Kanchapoum DE
2. The Commissioner,
Sriperumbudur Panchayat Union,
Kanchapoum DE
3. Technical file.
4. Spare

//forwarded by order//

S. Savainant
for CHAIRMAN.
21/12/12



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1. DETAILS OF PRODUCTS MANUFACTURED:

Sl. No	Description	Quantity/Month
	The Industrial Park undertake development, maintenance of the common infrastructure such as roads, water supply, Storm water drainage system and establishment of Mechanical fabrication/ Manufacturing and Allied industries only.	

This consent to establish is valid for the manufacture of products and the rate of production mentioned above. Any change in rate of and the quantity or quality of the products has to be brought to the notice of the Board.

2. The height of the following Chimneys/stacks shall not be less than the figures indicated below for the discharge of emissions.

Chimney / stack Number	Description of Chimney	Point of discharge in Metres (Above ground level)

3. The unit shall install the following Air Pollution Control equipments / measures for the control of emissions generated from the various sources of the plant.

A. For Suspended Particulate Emission

Sl.No.	Source	Details of Control Equipment

B. For Gaseous Emission

Sl.No.	Source	Details of Control Equipment

C. For Fugitive Emissions:

Sl.No.	Source	Details of Control Equipment

4. The unit shall procure.....adequate.....Number of equipments for Continuous monitoring of Ambient Air Quality in respect of the parameters.....



6. The unit shall provide on-line / automatic continuous stack monitoring unit for the stacks mentioned below

7. The unit shall provide sensors connected with the Alarm System for the following locations in the plant.

8. The unit shall provide port holes and sampling facilities for the following stacks as per the Central Pollution Control Board guidelines.

9. The unit shall provide sufficient acoustic measures for the following equipment.

10. The unit shall install separate energy meter for the operation of the following Air Pollution Control equipments.

Sd/ xxx
CHAIRMAN.
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI

S. Sorenson
For CHAIRMAN. 24/2/2012

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

1. The above consent to establish cannot be construed as consent to operate.
2. The applicant shall make a request for grant of consent to operate atleast sixty days, before the commissioning of trial production.
3. The unit shall carryout Ambient Air Quality Survey atleast for stations for seasons for the collection of baseline data, on the existing Ambient Air Quality level within the plant/ outside the plant.
4. The applicant shall provide a meterological station to collect the data on wind velocity, direction, temperatures, rainfall etc.
5. The applicant shall prepare and submit a detailed Risk Assessment Report along with on-site and of-site-Emergency preparedness plan for within the premises of the plant as required under the Rules 13 and 14 of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
6. The unit shall install KVA Capacity generator exclusively for the operation of Air Pollution Control measures in case of power failure.
7. The unit shall also establish laboratory for analysis of gaseous / particulate emissions.
8. 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.
9. 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.
10. Consent to operate will not be issued unless the unit complied with the conditions of consent to establish, otherwise the order of consent to establish already issued will be revoked with immediate effect.

Sd/ xxx

CHAIRMAN

TAMILNADU POLLUTION CONTROL BOARD
CHENNAI.

//Forwarded by order//

For CHAIRMAN

21/8/12



CHIEF ENGINEER (O&M-II)

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD



Lr.No:CMWSSB/C.E(O&M-II)/S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2020-21. Dated:13.04.2020

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

Sub: CMWSSB - C.E(O&M-II) - S.E(W.W.T&R) - "Design, Build and Operate for 15 years (DBO) a 45 MLD capacity Tertiary Treatment Reverse Osmosis (TTRO) Plant at Koyambedu including supply, laying and maintenance of M.S. transmission main for conveying product water to various SIPCOT industries situated at Irungattukottai, Sriperumbudur and Oragadam" - Works Completed in all aspects - Inaugured and Commissioned by the Hon'ble Chief Minister of Tamilnadu on 29.11.2019 - Supply of TTRO Water to the M/s. SIPCOT industries located at Irungattukottai, Pillaipakkam, Vallamvadagai, Sriperumbudur and Oragadam - Commenced from 18.12.2019 - Security deposit to be remitted -Requested - Reminder - Reg.

Ref: Lr.No: CMWSSB / C.E(O&M-II) / S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2019-20, Dated: 06.12.2019, 16.12.2019 & 24.01.2020.

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

In this connection, it is submitted that, the request for remittance of security deposit for an amount of Rs.2.045 Crores towards the supply of TTRO product water to M/s SIPCOT industries from Koyambedu TTRO plant has been made since 06.12.2019 and further reminders were made vide under references cited.

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

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

Hence it is requested to cause necessary instructions to the officials to expedite the remittance of security deposit of Rs.2.045 Crores immediately through RTGS/NEFT.

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

CHIEF ENGINEER (O&M-II)

பாசனம் - ஸ்ரீமதி மாமன் - திருப்பெரும்புளியூர் வட்டம் - இலங்கைக்கு
கோட்டை சிராமம் - சிப்காட் தொழில் வளாகத்தில் ஸ்ரீமதி மாமன் தொழிற்சாலை
உருவாக்க - செயற்பரம்பாக்கம் ஏரியிலிருந்து ஓட்டை மறிப்பு நிலைக்கு நீர்ப்பாசனம்
பொருள் எடுக்க தீர்மானம் 5 மில்லியன் ரூபாய் - ஸ்ரீமதி மாமன் - ஸ்ரீமதி மாமன் - ஸ்ரீமதி மாமன்

பொருள் (பிரைவட்டை)

அரசு துறை (நிலை) - 134

தாள்: 31.3.1997

பக்கங்கள்:

1. மேலாண்மை இயக்குநர், சிப்காட் தேர்வுக் கமிட்டி என். 1026/96
தாள்: 2.9.1996.
2. தலைமைப்பொறியாளர், தீர்மானம் ஆதார அமைப்பு, சென்னை மண்டலம்,
சிவகாமா ஓட்டை ஸ்ரீமதி மாமன் கமிட்டி என். பி.பி. 1/5250/96,
தாள்: 24.12.1996.

பாரிஸ் 1ல் கட்ட கமிட்டியில் சிப்காட், மேலாண்மை இயக்குநர் இலங்கை
கோட்டை சிப்காட் தொழில் வளாகத்தில், அங்கு அமைக்கப்பட்ட உருவாக்க
காரி தொழிற்சாலைக்கு தேவையான 1.1 மில்லியன் ரூபாய் அது தான் உட்பட
மொத்தம் சுமார் 10 மில்லியன் ரூபாய் அது தான் தேவை என்பது கேட்டுக் கொண்டுள்ளது.

2. பாரிஸ் 2ல் கட்ட கமிட்டியில் தலைமைப்பொறியாளர் தீர்மானம்
ஆதார அமைப்பு சென்னை மண்டலம் மறிப்பு சிவகாமா ஓட்டை ஸ்ரீமதி மாமன் கமிட்டி
கட்டிட காலக்காலில் செயற்பரம்பாக்கம் ஏரியில் உள்ள தீர்மானம் ஒரே சீராக
இருந்ததில்லை என்பது, தீர்மானம் கொடுக்கப்பட்ட 1980ல் ஆண்டு 711 மில்லியன் ரூபாயாக
வும், 1992ல் ஆண்டு 485 மில்லியன் ரூபாயாகவும் 1996ல் ஆண்டு 2401
மில்லியன் ரூபாயாகவும் இருந்ததெனும், இறுதிப்பகுதியாக 1996ல் ஆண்டு 2401
மில்லியன் ரூபாயாகவும் இருந்ததெனும், மேலும் பதிவு செய்யப்
பட்டுள்ள 13,223 ஏக்கர் ஆய்க்கட்டுகளில் தற்போது வசதியாக செயல்படுத்தும் வரும்
9800 ஏக்கர் நிலங்களுக்கு தீர்ப்பாசனம் செய்து கொடுக்க வேண்டும் என்ற நிலை உள்ளது
என்பது இறுதிப்பகுதியாக. மேலும் இத்தொகுதி சென்னை மாநகருக்கு இடையில்
வசதியும் செயற்பரம்பாக்கம் ஏரியிலிருந்து ஓட்டை ஓட்டை ஓட்டை ஓட்டை
கமிட்டியில் கொண்டு தாள் தான் ஓட்டை ஓட்டை ஓட்டை ஓட்டை இறுதிப்பகுதியாக.

3. தலைமைப்பொறியாளர் (சென்னை மண்டலம் மறிப்பு சிவகாமா
ஓட்டை ஓட்டை ஓட்டை ஓட்டை) உட்கமிட்டியை கமிட்டியிலிருந்து சிப்காட் தொழில்
வளாகத்திலிருந்து செயற்குறிப்பை அரசு பரிசீலித்தது.

செயற்பரம்பாக்கம் ஏரியில், தீர்மானம் இறுதிப்பகுதியாக, பதிவு செய்யப்
பட்ட ஆய்க்கட்டு பகுதிகளுக்கான தேவையான தீர்மானம் மறிப்பு சென்னை நகருக்கு
ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை ஓட்டை



/உயிர்ப்பா/
புறக்கணிப்பு அமைப்புகள் பகுதி
கமிட்டியை அமைப்புகள்.

Handwritten signature and initials.

Handwritten signature and date 22/4/97.

Handwritten text: 'Madam, Secretary, Chennai'.

①
AEE.
Pl. Send a copy of this to
SIPWT, GM (Tirumala)
for information.
22/4/97

ENVIRONMENTAL MANAGEMENT CELL

1. INTRODUCTION:

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

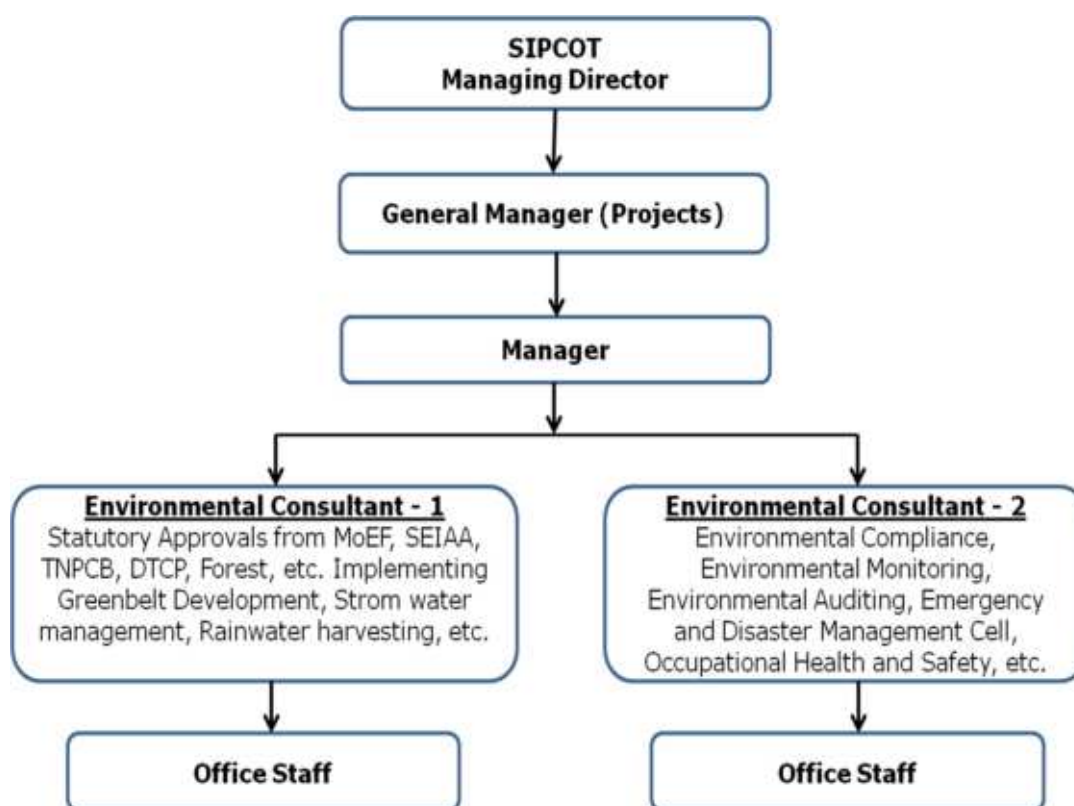


Figure - 1 Organogram for Environmental Management Cell

2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:

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

Table – 1: Roles and responsibilities of EMC

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

GREENBELT PHOTOGRAPH



INDIVIDUAL INDUSTRIES GREENBELT PHOTOGRAPHS

Asian Sealing Industry



Minda Industry





TC-12310

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Karunagaracheri

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

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

ULR : TC1231025000016117F

Report No. : HECS/AP/070/060325

Sample ID No : 060325182

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	BLQ(LOQ 5)	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	7.54	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	73.01	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	28.67	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	BLQ(LOQ 5)	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



D.Anusuya
Lab Manager
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,

Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

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 : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Karunagaracheri

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

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

Report No. : HECS/AP/070/060325/N

Sample ID No : 060325182

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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 : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Project area

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

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

ULR : TC1231025000016111F

Report No. : HECS/AP/065/060325

Sample ID No : 060325167

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	ug/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	9.38	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	5.75	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	191.46	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	48.28	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	7.82	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Pillaipakkam
Group : Atmospheric Pollution
Sample Name : Ambient Air(All)
Sample Mark : NA
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : Project area
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/065/060325/N
Sample ID No : 060325167
Sampling Date : 06/03/2025
Received Date : 06/03/2025
Commenced Date : 06/03/2025
Completed On : 03/04/2025
Report Date : 03/04/2025
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 : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Anakaputhur

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

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

ULR : TC1231025000016112F

Report No. : HECS/AP/066/060325

Sample ID No : 060325168

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m³	6.88	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	13.02	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	108.63	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	43.91	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	BLQ(LOQ 5)	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Anakaputhur

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

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

Report No. : HECS/AP/066/060325/N

Sample ID No : 060325168

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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 : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Amarambedu

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

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

ULR : TC1231025000016113F

Report No. : HECS/AP/067/060325

Sample ID No : 060325169

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	8.19	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	8.21	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	117.63	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	48.10	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	BLQ(LOQ 5)	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Amarambedu

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

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

Report No. : HECS/AP/067/060325/N

Sample ID No : 060325169

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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 : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vangadu

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

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

U.L.R : TC1231025000016114F

Report No : HECS/AP/068/060325

Sample ID No : 060325170

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	7.75	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	29.34	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m³	BLQ(LOQ 10)	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m³	81.02	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m³	30.76	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m³	BLQ(LOQ 5)	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vangadu

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

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

Report No. : HECS/AP/068/060325/N

Sample ID No : 060325170

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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 : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012210F
Report No. : HECSL/WT/045/060325
Sample ID No : 060325172
Sampling Date : 06/03/2025

Received Date : 06/03/2025
Commenced Date : 06/03/2025
Completed On : 13/03/2025
Report Date : 13/03/2025
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	305.0	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	76.15	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	113.82	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	1072.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.43	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.042	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	51.03	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	4.12	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	7.68	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012210F

Report No. : HECSL/WT/045/060325

Sample ID No : 060325172

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	7.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	54.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO ₄	mg/l	92.85	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method) (Turbidity Method)	200	400
17	Total dissolved solids	mg/l	567.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO ₃	mg/l	400.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
24	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
25	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
26	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012210F

Report No. : HECSL/WT/045/060325

Sample ID No : 060325172

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
28	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
29	Nickel	mg/l	0.014	USEPA 200.8 : 1994	0.02	No relaxation
30	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
31	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
32	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
33	Percent Sodium	%	22.50	HECS /WT/SOP/002:: 2019	NA	NA
34	Barium	mg/l	0.078	USEPA 200.8 : 1994		
35	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	0.2	1.0
36	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
37	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	1.22	IS 11624 : 2019	NA	NA
38	Dissolved oxygen	mg/l	6.5	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA
39	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012210F

Report No. : HECSL/WT/045/060325

Sample ID No : 060325172

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
40	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO ₃	mg/l	250.0	IS 3025 (Part 23): 1986	200	600
44	Phosphate as PO ₄	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA

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 : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

Report No. : HECSL/WT/045/060325N

Sample ID No : 060325172

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

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 Clause 6: 2003

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

End of Report

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TC-12310

Laboratory Services Division

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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Project Area

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012211F
Report No. : HECSL/WT/046/060325
Sample ID No : 060325173
Sampling Date : 06/03/2025

Received Date : 06/03/2025
Commenced Date : 06/03/2025
Completed On : 13/03/2025
Report Date : 13/03/2025
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	122.0	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	26.05	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	61.86	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	451.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.28	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.14	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	12.15	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	3.66	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	8.03	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Project Area

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012211F

Report No. : HECSL/WT/046/060325

Sample ID No : 060325173

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	5.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	42.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO ₄	mg/l	27.25	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method) (Turbidity Method)	200	400
17	Total dissolved solids	mg/l	240.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	5.0	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	0.026	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO ₃	mg/l	115.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	2.1	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
24	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
25	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
26	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994)	0.05	1.5



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Project Area

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012211F

Report No. : HECSL/WT/046/060325

Sample ID No : 060325173

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
28	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
29	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
30	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
31	Phenolic compounds as C6H5OH	mg/l	BLQ (LOQ: 0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
32	Anionic Surface Active agents as MBAS	mg/l	BLQ (LOQ: 0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
33	Percent Sodium	%	42.77	HECS /WT/SOP/002:: 2019	NA	NA
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994		
35	Residual Sodium Carbonate	meq/l	BLQ (LOQ: 1.0)	IS 11624: 2019	0.2	1.0
36	Ammonia as NH3	mg/l	BLQ (LOQ: 0.02)	IS 3025 Part 34: Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
37	Sodium Adsorption Ratio (SAR)	Square root of (millimole/lit)	1.7	IS 11624 : 2019	NA	NA
38	Dissolved oxygen	mg/l	6.4	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Project Area

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012211F

Report No. : HECSL/WT/046/060325

Sample ID No : 060325173

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
39	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
40	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO ₃	mg/l	100.0	IS 3025 (Part 23): 1986	200	600
44	Phosphate as PO ₄	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA

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 : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Project Area

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

Report No. : HECSL/WT/046/060325N

Sample ID No : 060325173

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

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 Clause 6: 2003

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

End of Report



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012212F

Report No. : HECSL/WT/047/060325

Sample ID No : 060325174

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Bi carbonate	mg/l	195.2	IS 3025 Part 51: 2001	NA	NA
2	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
3	Calcium as Ca	mg/l	28.06	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
4	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
5	Chloride as Cl	mg/l	222.69	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
6	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
7	Electrical Conductivity at 25°C	µS/cm	1345.0	IS 3025 Part-14: 2013	NA	NA
8	Fluoride as F	mg/l	0.45	APHA 23rd edition (Method 4500F-B , D): 2017	1.0	1.5
9	Iron as Fe	mg/l	0.053	IS 3025 (Part 53): 2003	1.0	No relaxation
10	Magnesium as Mg	mg/l	14.58	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	30	100
11	Nitrate as NO3	mg/l	3.79	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
12	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
13	pH at 25°C	-	7.31	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012212F

Report No. : HECSL/WT/047/060325

Sample ID No : 060325174

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
14	Potassium as K	mg/l	19.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
15	Sodium as Na	mg/l	190.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
16	Sulphate as SO ₄	mg/l	101.41	IS 3025 Part 24 Sec 1: 2022(Turbidity Method)(Turbidity Method)	200	400
17	Total dissolved solids	mg/l	694.0	IS 3025 (Part 16): 1984	500	2000
18	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
19	Phosphorous as P	mg/l	0.054	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
20	Total hardness as CaCO ₃	mg/l	130.0	IS 3025 (Part 21): 2009	200	600
21	Turbidity, NTU	NTU	BLQ(LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
22	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
23	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
24	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
25	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
26	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012212F

Report No. : HECSL/WT/047/060325

Sample ID No : 060325174

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
27	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
28	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
29	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
30	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15
31	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
32	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B, C): 2017	0.2	1
33	Percent Sodium	%	72.68	HECS /WT/SOP/002:: 2019	NA	NA
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994		
35	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	0.2	1.0
36	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
37	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	7.2	IS 11624 : 2019	NA	NA
38	Dissolved oxygen	mg/l	6.6	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012212F

Report No. : HECSL/WT/047/060325

Sample ID No : 060325174

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
39	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
40	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
41	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
42	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
43	Total alkalinity as CaCO3	mg/l	160.0	IS 3025 (Part 23): 1986	200	600
44	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022	NA	NA

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 : Pillaipakkam

Group : Water

Sample Name : Ground Water

Sample Mark : Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

Report No. : HECSL/WT/047/060325N

Sample ID No : 060325174

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

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 Clause 6: 2003

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

End of Report



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

ULR : TC1231025000012266F
Report No. : HECSL/WT/048/060325
Sample ID No : 060325175
Sampling Date : 06/03/2025

Group : Water
Sample Name : Surface Water
Sample Mark : Pond near Anakaputhur
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0
Sampling Method & Plan : IS 17614(Part-1):2021

Received Date : 06/03/2025
Commenced Date : 06/03/2025
Completed On : 13/03/2025
Report Date : 13/03/2025
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
Discipline : Chemical					
1	Total alkalinity as CaCO ₃	mg/l	85	IS 3025 Part 23: 1986	NA
2	Bi carbonate	mg/l	103.7	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	2.0	IS 3025 Part 44: 1993	30
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	20.04	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	NA
6	Chemical Oxygen Demand (COD)	mg/l	16.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	44.53	IS 3025 Part 32: 1988 (Argentometric Method)	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	5.7	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µS/cm	350.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.25	APHA 23rd edition Method 4500 F -B,D: 2017	2.0
12	Iron as Fe	mg/l	0.068	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO ₃	mg/l	4.52	APHA 23rd edition Method 4500 NO3B: 2017	NA



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water
Sample Name : Surface Water
Sample Mark : Pond near Anakaputhur
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0
Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231025000012266F
Report No. : HECSL/WT/048/060325
Sample ID No : 060325175
Sampling Date : 06/03/2025

Received Date : 06/03/2025
Commenced Date : 06/03/2025
Completed On : 13/03/2025
Report Date : 13/03/2025
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO ₄	mg/l	0.072	APHA 23rd edition Method 4500-P B,D: 2017	NA
17	pH at 25°C		7.18	IS 3025 Part 11: 2022 (Electrometric Method)	5.5- 9.0
18	Total dissolved solids	mg/l	186.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	6.08	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	NA
22	Potassium as K	mg/l	4.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	36.0	IS 3025 Part 45: 1983	NA
24	Sulphate as SO ₄	mg/l	5.83	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C ₆ H ₅ OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B , C: 2017	NA



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Pond near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012266F

Report No. : HECSL/WT/048/060325

Sample ID No : 060325175

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Percent Sodium	%	49.28	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12: 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	BLQ (LOQ: 1.0)	IS 11624: 2019	NA
30	Ammonia as NH3	mg/l	0.24	IS 3025 Part 34 Sec 2: 2021	5.0
31	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit r	1.8	IS 11624: 2019	NA
32	Total Hardness as CaCO3	mg/l	75.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	0.02	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	2.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	0.7	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Pond near Anakaputhur

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012266F

Report No. : HECSL/WT/048/060325

Sample ID No : 060325175

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 2 Litres

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

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - 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 : Pillaipakkam
Group : Water
Sample Name : Surface Water
Sample Mark : Pond near Anakaputhur
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0
Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/048/060325N
Sample ID No : 060325175
Sampling Date : 06/03/2025

Received Date : 06/03/2025
Commenced Date : 06/03/2025
Completed On : 13/03/2025
Report Date : 13/03/2025
Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -V1)
Discipline : Chemical					
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52 Clause 6: 2003	0.1

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

End of Report



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Lake near Vengadu

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012267F

Report No. : HECSL/WT/049/060325

Sample ID No : 060325176

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule - VI)
Discipline : Chemical					
1	Total alkalinity as CaCO ₃	mg/l	135.0	IS 3025 Part 23: 1986	NA
2	Bi carbonate	mg/l	164.7	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD) ₅ @ 27°C For 3 days	mg/l	2.0	IS 3025 Part 44: 1993	30
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	36.07	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	NA
6	Chemical Oxygen Demand (COD)	mg/l	24.0	IS 3025 Part 58: 2006	250
7	Chloride as Cl	mg/l	69.28	IS 3025 Part 32: 1988 (Argentometric Method)	NA
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	NA
9	Dissolved oxygen	mg/l	5.9	IS 3025 Part 38: 1989	NA
10	Electrical Conductivity at 25°C	µ S/cm	535.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.31	APHA 23rd edition Method 4500 F -B,D: 2017	2.0
12	Iron as Fe	mg/l	0.114	IS 3025 Part 53: 2003	3.0
13	Nitrate as NO ₃	mg/l	5.72	APHA 23rd edition Method 4500 NO ₃ B: 2017	NA



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Lake near Vengadu

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012267F

Report No. : HECSL/WT/049/060325

Sample ID No : 060325176

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
14	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
15	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
16	Phosphate as PO ₄	mg/l	0.092	APHA 23rd edition Method 4500-P B.D: 2017	NA
17	pH at 25°C		7.26	IS 3025 Part 11: 2022 (Electrometric Method)	5.5- 9.0
18	Total dissolved solids	mg/l	277.0	IS 3025 Part 16: 1984	NA
19	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
20	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.2
21	Magnesium as Mg	mg/l	10.94	IS 3025 Part 46: 1994 (Valumetric Method using EDTA)	NA
22	Potassium as K	mg/l	5.0	IS 3025 Part 45: 1993	NA
23	Sodium as Na	mg/l	48.0	IS 3025 Part 45: 1983	NA
24	Sulphate as SO ₄	mg/l	6.61	IS 3025 Part 24 Sec 1: 2022	NA
25	Phenolic compounds as C ₆ H ₅ OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	1.0
26	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.04)	APHA 23rd edition Method 5540 B , C: 2017	NA



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Lake near Vengadu

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012267F

Report No. : HECSL/WT/049/060325

Sample ID No : 060325176

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 2 Litres

S.No.	Test Parameters	Units	Results	Test Method	Inland Surface water Standards (Schedule -VI)
27	Percent Sodium	%	42.33	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12: 2021	NA
28	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
29	Residual Sodium Carbonate	mg/l	BLQ (LOQ: 1.0)	IS 11624 : 2019	NA
30	Ammonia as NH ₃	mg/l	0.29	IS 3025 Part 34 Sec 2: 2021	5.0
31	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit r	1.79	IS 11624: 2019	NA
32	Total Hardness as CaCO ₃	mg/l	135.0	IS 3025 Part 21: 2009	NA
33	Total Phosphorous as P	mg/l	0.03	IS 3025 Part 31 Sec 1: 2022	NA
34	Total Suspended Solids	mg/l	3.0	IS 3025 Part 17: 1984	100
35	Turbidity	NTU	0.9	IS 3025 Part 10: 1984	NA
36	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.2
37	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	2.0
38	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	2.0
39	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	3.0



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Water

Sample Name : Surface Water

Sample Mark : Lake near Vengadu

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

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

ULR : TC1231025000012267F

Report No. : HECSL/WT/049/060325

Sample ID No : 060325176

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 13/03/2025

Report Date : 13/03/2025

Sample quantity : 2 Litres

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

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

End of Report



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TEST REPORT

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Name of the Client : M/s. SIPCOT
Address of the Client : Pillaipakkam
Group : Water
Sample Name : Surface Water
Sample Mark : Lake near Vengadu
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0
Sampling Method & Plan : IS 17614(Part-1):2021

Report No. : HECSL/WT/049/060325N
Sample ID No : 060325176
Sampling Date : 06/03/2025
Received Date : 06/03/2025
Commenced Date : 06/03/2025
Completed On : 13/03/2025
Report Date : 13/03/2025
Sample quantity : 2 Litres

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

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

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TEST REPORT

Page : 1 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Project area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016020F

Report No. : HECS/PE/032/060325

Sample ID No : 060325177

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	15.78	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	5.58	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	13.74	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	35.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	45.6	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	18.8	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.98	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	247.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Project area

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016020F

Report No. : HECS/PE/032/060325

Sample ID No : 060325177

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	0.95	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.34	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.59	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	9.22	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	15.14	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020
17	Total Nitrogen as N	%	0.0084	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	15.75	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	7.87	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.5	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	33.6	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue

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

End of Report



D.Anusuya
Lab Manager
Authorized Signatory

TEST REPORT

Page : 1 of 1

Name of the Client	: M/s. SIPCOT	Report No.	: HECS/PE/032/060325/N
Address of the Client	: Pillaipakkam	Sample ID No	: 060325177
		Sampling Date	: 06/03/2025
Group	: Pollution & Environment	Received Date	: 06/03/2025
Sample Name	: Soil	Commenced Date	: 06/03/2025
Sample Mark	: NA	Completed On	: 03/04/2025
Sample Reference	: NA	Report Date	: 03/04/2025
Sample Drawn By	: M/s.Hubert Enviro care Systems (P) Ltd.	Sample quantity	: 1 Kg
Sample Location	: Project area		
Environmental Condition	: Temperature (°C) : 27.8 Humidity (%) : 55.0		
Sampling Method & Plan	: ICARDA:2013		

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	5.35	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	61.57	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	4.82	Inhouse method
4	Infiltration Rate	-	0.75	Inhouse method

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



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TEST REPORT

Page : 1 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Anakaputhur

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016021F

Report No. : HECS/PE/033/060325

Sample ID No : 060325178

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	10.69	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	45.32	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	5.97	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	17.8	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	26.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	55.8	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.91	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	670.0	IS 14767: 2000

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TEST REPORT

Page : 2 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Anakaputhur

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016021F

Report No. : HECS/PE/033/060325

Sample ID No : 060325178

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm3	0.99	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.36	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.62	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	12.74	FAO of United Nations, Rome Chapter - III 2008
16	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02:07 2020
17	Total Nitrogen as N	%	0.0105	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	7.95	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	15.90	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.3	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	19.5	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Anakaputhur

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/033/060325/N

Sample ID No : 060325178

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	13.58	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	46.15	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	7.25	Inhouse method
4	Infiltration Rate	-	0.4	inhouse method

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

End of Report



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TEST REPORT

Page : 1 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Karunagaracheri

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016022F

Report No. : HECS/PE/034/060325

Sample ID No : 060325179

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	12.53	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	30.19	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	8.15	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	23.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	40.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	36.0	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.88	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	254.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Karunagaracheri

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016022F

Report No. : HECS/PE/034/060325

Sample ID No : 060325179

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	0.93	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.24	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.43	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	5.12	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	17.64	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	%	0.0127	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	7.86	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	11.79	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.1	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	19.5	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Karunagaracheri

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/034/060325/N

Sample ID No : 060325179

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	7.08	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	66.70	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	6.29	Inhouse method
4	Infiltration Rate	-	0.6	Inhouse method

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

End of Report



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TEST REPORT

Page : 1 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Amarambedu

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016023F

Report No. : HECS/PE/035/060325

Sample ID No : 060325180

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	14.63	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	6.79	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	10.66	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	22.4	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	46.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	31.2	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	6.98	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	103.6	IS 14767: 2000



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TEST REPORT

Page : 2 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Amarambedu

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016023F

Report No. : HECS/PE/035/060325

Sample ID No : 060325180

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	0.94	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.27	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	0.48	IS 2720 (Part 22) Section 1 1972
14	Available Phosphorous as P	µg/g	5.70	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	11.54	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	%	0.0117	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	14.41	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	7.20	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	2.1	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	17.5	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue

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

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Amarambedu

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/035/060325/N

Sample ID No : 060325180

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.24	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	50.50	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	9.54	Inhouse method
4	Infiltration Rate	-	0.7	inhouse method

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

End of Report



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TEST REPORT

Page : 1 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vangadu

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016024F

Report No. : HECS/PE/036/060325

Sample ID No : 060325181

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

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	13.70	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	6.21	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	8.08	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	%	38.8	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	36.8	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	24.4	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.76	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	70.2	IS 14767: 2000



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TEST REPORT

Page : 2 of 3

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vangadu

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231025000016024F

Report No. : HECS/PE/036/060325

Sample ID No : 060325181

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm3	0.95	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.32	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	0.55	IS 2720 (Part 22) Section I 1972
14	Available Phosphorous as P	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008
15	Available Potassium	mEq/100g	14.83	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	%	0.0094	IS 14684 Clause 4 1999
18	Exchangable Calcium as Ca	mEq/L	11.57	FAO of United Nations, Rome Chapter - III 2008
19	Exchangable Magnesium as Mg	mEq/L	3.85	FAO of United Nations, Rome Chapter - III 2008
20	Cation Exchange Capacity	mEq/100g	1.7	IS 2720 (Part 24) Clause 5 1976
21	Water Holding capacity	%	31.5	IS 14765: 2000
22	Colour	-	Brown	HECS-G/ENV/SSW/SOP/011 Issue

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

End of Report



D.Anusuya
Lab Manager
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,

Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

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 : Pillaipakkam

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : NA

Sample Reference : NA

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

Sample Location : Vangadu

Environmental Condition : Temperature (°C) : 27.8 | Humidity (%) : 55.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/036/060325/N

Sample ID No : 060325181

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Moisture	%	4.20	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02:07: 2020
2	Manganese	mg/kg	51.36	HECS-G/INS/SOP/ 042
3	Iron	mg/kg	8.68	Inhouse method
4	Infiltration Rate		0.9	Inhouse method

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

End of Report



D.Anusuya
Lab Manager
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

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Guindy, Chennai - 600 032.

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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Pillaipakkam

Group : Atmospheric Pollution

Sample Name : Ambient Noise Levels (Excluding vibration)

Sample Mark : Noise

Sample Reference : NA

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

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.8 | Humidity (%) : 53.0

Sampling Method & Plan : IS 9989:1981

ULR Report : TC1231025000016115F

No. Sample : HECS/AP/069/060325

ID No : 060325171

Sampling Date : 06/03/2025

Received Date : 06/03/2025

Commenced Date : 06/03/2025

Completed On : 03/04/2025

Report Date : 03/04/2025

Sample quantity : NA

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	44.6	44.4
2	Anakaputhur	55.0	44.7
3	Karunagaracheri	54.3	43.6
4	Amarambedu	51.2	41.8
5	Vangadu	53.9	42.5

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

Post BC, HVC report - reg - com - xWhatsApp - 25 Compliance Report - Venam - xWelcome to PARVESH - SIPCOT - State Industries Promotion - x

ipcotweb.in.gov.in/Compliance_Report

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COMPLIANCE REPORTS

S.NO.	TITLE	DOWNLOAD
1	Compliance Report - Minnase Kandugal for Dec 2024	Download
2	Compliance Report - Pillaiyakkam for Dec 2024	Download
3	Compliance Report - Vallam Virugam for Dec 2024	Download
4	Compliance Report - Vagpur Mattur for Dec 2024	Download
5	Compliance Report - Aerospace Park for December 2024	Download
6	Compliance Report - Cheyyar for December 2024	Download
7	Compliance Report - Manapalai for December 2024	Download
8	Compliance Report - Tindivanam for December 2024	Download
9	Compliance Report - Manalur for December 2024	Download
10	Compliance Report - Vallam Vadagal II for Dec 2024	Download
11	Compliance Report - Thoothukudi for December 2024	Download
12	Compliance Report - Nemil for Dec 2024	Download
13	Compliance Report - Mandakkam for Dec 2024	Download
14	Compliance Report - Marudhandipalli for Dec 2024	Download
15	Compliance Report - Theni for Dec 2024	Download

English | Tamil

36/3827-09-2025

Annexure - 8

SIPCOT


sipcotweb.tn.gov.in/Environment_clearance

To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 7. [Learn more](#)

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S.NO.	NAME OF THE COMPLEX/ PARK / GROWTH CENTRE	NAME OF THE DISTRICT	ENVIRONMENTAL CLEARANCE
18	Cheyyar – II	Thiruvannamalai	Download
19	Oragadam	Kancheepuram	Download
20	Vaipur Mathur	Kancheepuram	Download
21	Thervoykandigai	Thiruvallur	Download
22	Pillaipakkam	Kancheepuram	Download
23	Vallam Vadagal – I	Kancheepuram	Download
24	Aerospace Park	Kancheepuram	Download

ENQUIRE NOW



SIPCOT
Govt. of Tamilnadu

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

044-45261777

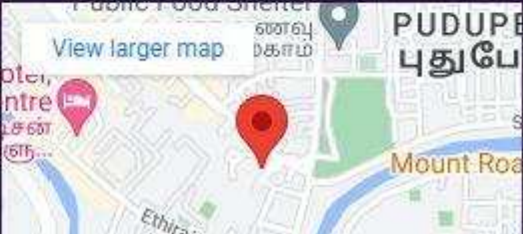
Newsletter

Subscribe our newsletter to get our latest update and news

Mandatories

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- Terms and conditions
- Privacy Policy
- Refund Policy
- Hyper Link Policy

Map



SIPCOT – PILLAIPAKKAM MONITORING PHOTOS

AMBIENT AIR QUALITY MONITORING PHOTOS:

NEAR PROJECT AREA



ANAKAPUTHUR



KARUNAGARACHERI



AMARAMBEDU



VENGADU



GROUND WATER SAMPLING PHOTOS

PROJECT AREA



KARUNAGARACHERI



ANAKAPUTHUR



SURFACE WATER SAMPLING PHOTOGRAPH




LAKE NEAR VENGADU








POND NEAR ANAKAPATHUR



SOIL SAMPLING PHOTOGRAPH

PROJECT AREA	ANAKAPATHUR
	
KARUNAGARACHERI	AMARAMBEDU
	
VENGADU	
	

NOISE MONITORING PHOTOGRAPH

PROJECT AREA	ANAKAPUTHUR
	
KARUNAGARACHERI	AMARAMBEDU
	
VENGADU	
	



I/173643/2024

Date: 26-09-2024

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

Sir,

Sub: SIPCOT Industrial Park, Pillaipakkam – Environmental Statement for the
Financial Year ending 31st March 2024 - Submitted – Reg.

Ref: SEIAA EC Letter No. SEIAA/TN/EC/8(b)/112/F-411/2010/ dt. 11.02.2011.

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 Pillaipakkam, Navalur & Vengadu Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu for the Financial Year ending 31st March 2024.

Yours faithfully,

DEPUTY GENERAL MANAGER (P-II)

Encl: As above.

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

CIN : U74999TN1971SGC005967

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

STORM DRAIN PHOTOGRAPH SIPCOT



INDIVIDUAL INDUSTRY (Mando Industry)



INDIVIDUAL INDUSTRIES STP/ETP PHOTOGRAPHS

Minda Industry



Mando Industry



Asian Sealing Industry



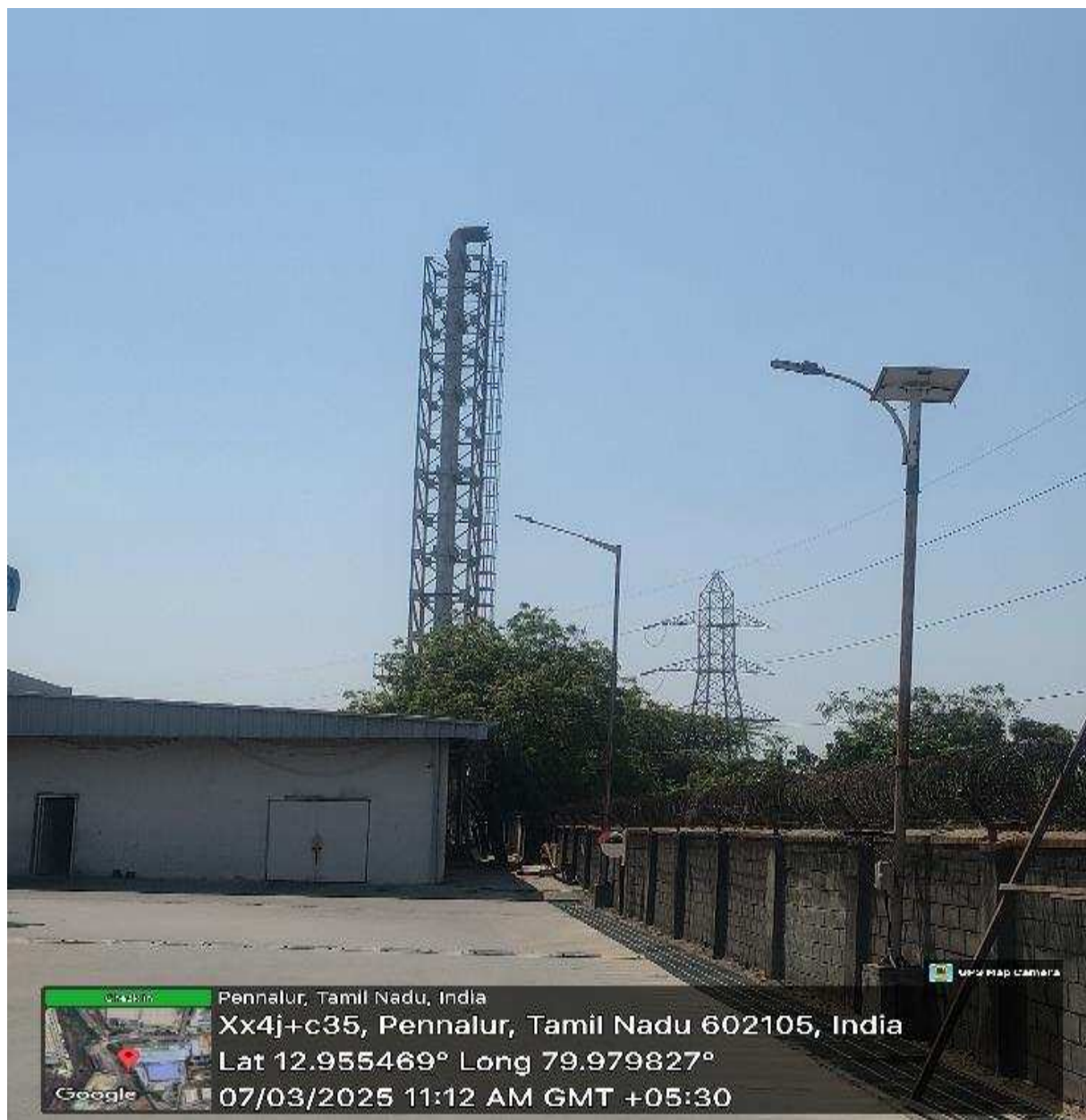
INDIVIDUAL INDUSTRIES STP/ETP PHOTOGRAPHS**Minda Industry****Mando Industry****Asian Sealing Industry**

SOLID WASTE MANAGEMENT - PHOTOGRAPHS

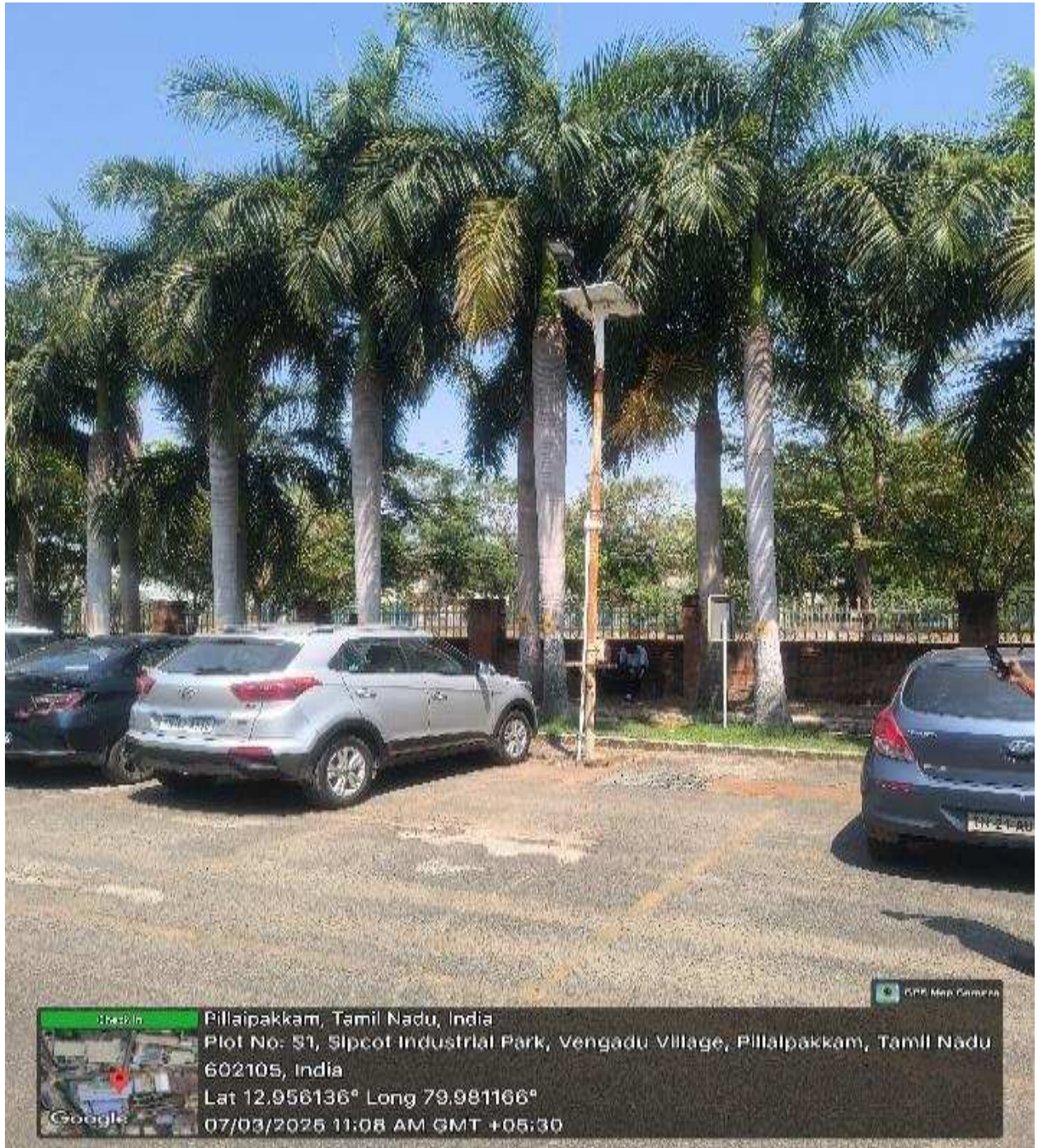


INDIVIDUAL INDUSTRIES SOLAR ENERGY UTILIZATION PHOTOGRAPHS

Mando Industry



Minda Industry



Individual industries Rainwater Harvesting Photographs

Mando Industry



y



Minda Industry



PARKING AREA PHOTOGRAPHS

SIPCOT



Individual Industries

Mando Industry



Minda Industry



Asian Sealing Industry



Mando Industry



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Mando Industry



INDIVIDUAL INDUSTRIES FIRE PROTECTION
EQUIPMENTS & ARRANGEMENTS -PHOTOGRAPHS

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