



EC/Pillaipakkam/HYC/June/2026

Date: 26.05.2026

To,
The Member Secretary,
State Level Environment Impact Assessment Authority,
9th Floor, CMRL Building,
No. 327, Anna Salai, Nandanam,
Chennai - 600 035.

Sir/Madam,

Sub: SIPCOT Industrial Park at Pillaipakkam – Submission of Half Yearly Compliance Report for June 2026 (i.e., for the period of October 2025 to March 2026) - Reg.

Ref: EC vide Letter No. SEIAA/TN/EC/8(b)/112/F-411/2010dated 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 2026 (i.e., for the period of October 2025 to March 2026) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,
Sd/-
MANAGING DIRECTOR

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,
Central Pollution Control Board,
Regional Directorate - Chennai,
2nd Floor, 40-E, BSNL Building,
TVK Industrial Estate, CIPET Road, Guindy,
Chennai - 600 032.

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



/2/

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

/Forwarded by Order/


CONSULTANT (ENVIRONMENT)

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

CIN : U74999TN1971SGC005967

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

HALF YEARLY ENVIRONMENTAL COMPLIANCE REPORT

For October 2025 –March 2026

For

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

**EC Identification No. EC22B039TN146946
(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.**

May 2026

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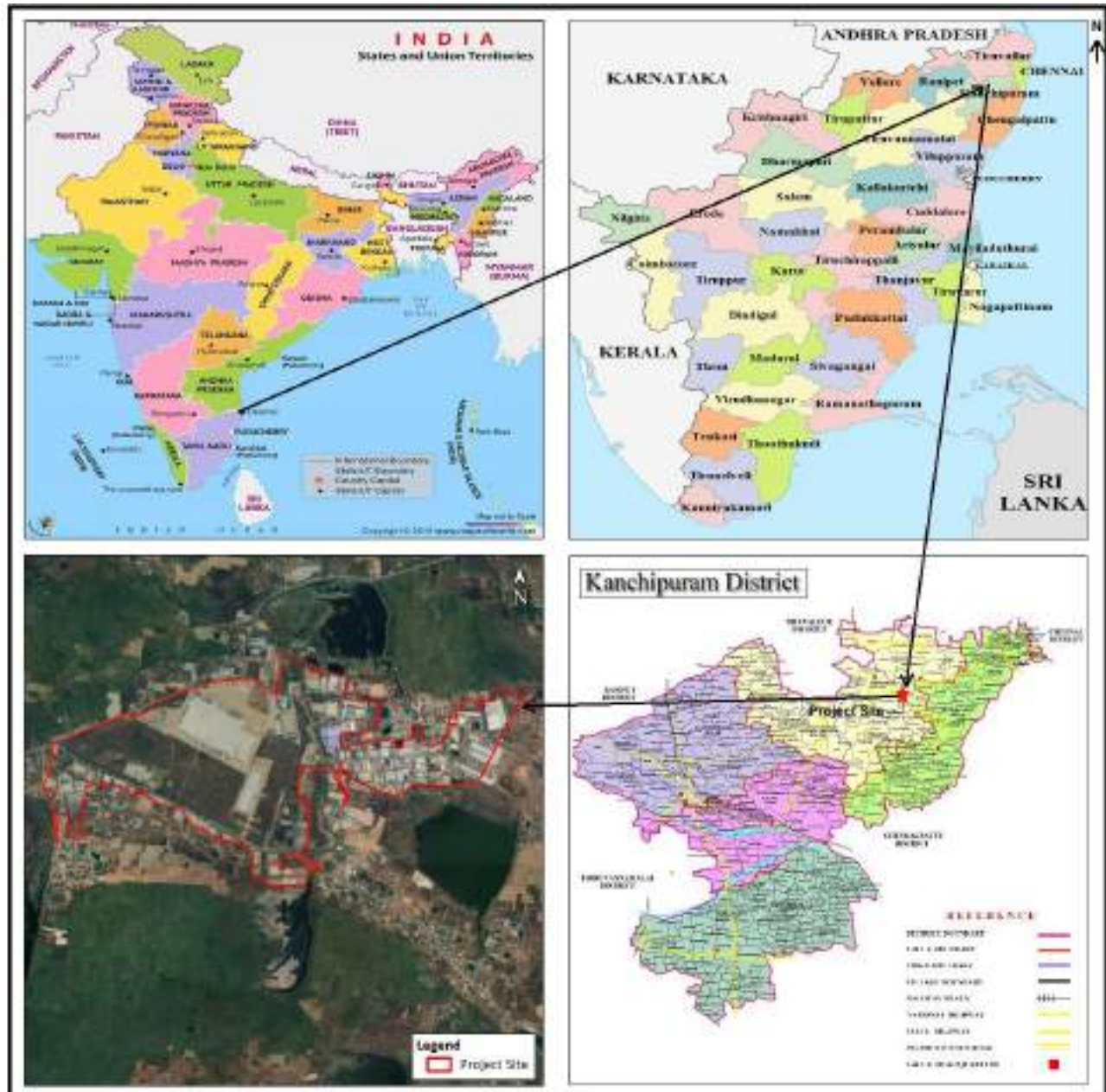
LIST OF ANNEXURE

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1. PROJECT DETAILS

Name of the Project	SIPCOT Industrial Park at 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.	EC Identification No. EC22B039TN146946 (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 (Enclosed as Annexure- 2)
Project Cost	Rs.585 Crores

2. LOCATION MAP



3. SITE PHOTOGRAPHS



Photographs of Industries

KONE



Gestamp



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YOROZU



4. SIX MONTH ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

Part A- Specific Conditions

I. Construction Phase

Construction Phase	Not applicable since construction was completed.
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Consent to Establish has been obtained from TNPCB and CTE copy is enclosed as **Annexure-3**. Individual Industries are mandated to obtain CTE & CTO.

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).	Condition is being complied. The water requirement is being met from the Chembarambakkam Lake and TTRO water through CMWSSB. CMWSSB letter is enclosed as Annexure 2 .
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.	Condition is being complied. SIPCOT has not proposed any STP for the Industrial Park. Accordingly, individual industries have established their own STPs and treated water will be reused as per TNPCB Norms. STP Photographs of the member industries are enclosed as Annexure - 12
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 approach, 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. All member industries are mandated to obtain Consent to Establish / Consent to Operate from TNPCB.
vi.	There shall be no discharge of effluent	Condition is being complied.

	outside the SIPCOT Industrial Park at any time.	There is no discharge of effluent outside the SIPCOT Industrial Park. SIPCOT has mandated individual industries to adopt Zero Liquid Discharge (ZLD) system. Accordingly, Individual industries have established their own ETPs, wherein the treated effluent is reused for industrial processes and utilities in compliance with applicable norms. STP/ETP photographs of the member industries are enclosed as Annexure-12
vii.	No drawl of ground water is permitted within the SIPCOT Industrial Park premises.	No Ground water is being used. The water requirement is being met from the Chembarambakkam Lake and TTRO water from CMWSSB. CMWSSB letter is enclosed as Annexure 2.
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. Industries are mandated to have their own Air Pollution control measures and install rainwater harvesting structures and to develop adequate greenbelt. Ambient air quality monitoring report is enclosed as Annexure 4. Greenbelt photographs of SIPCOT and member units are enclosed as Annexure 11. RWH photograph of SIPCOT and member units is enclosed as Annexure-14.
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 for the Industrial Park. Accordingly, individual industries have established their own STPs and are reusing treated water as per TNPCB norms. STP/ ETP photograph of member units is enclosed as Annexure-12.
x.	Organic converter shall be installed for	Condition noted.

	treating the organic waste and sludge from septic tank and the treated mass shall be used as manure.	SIPCOT has not proposed any STP within the industrial park. As per the SIPCOT mandate, individual industry is responsible for the management and treatment of its own organic waste and sludge within its premises. Accordingly, individual units shall install suitable systems for treatment of organic waste and utilize the sludge as per the norms.
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 structures photograph of SIPCOT and member units is enclosed as Annexure - 14.
xii.	The Plastic wastes shall be segregated and disposed through authorized recyclers.	Condition is being complied. SIPCOT has instructed the individual industries to handle and dispose the Plastic waste (including plastic waste) as per the TNPCB norms.
xiii.	A First Aid Room shall be provided with qualified personnel during operation of the project.	Condition is being complied. Individual industries to have first-aid facilities within their premises. Photographs of First aid room facilities of member units are enclosed as Annexure -16.
xiv.	Adequate fire protection equipment and rescue arrangements should be made.	Condition is being complied. Individual industries have fire protection systems and rescue arrangements within their premises to ensure safety during emergencies. Fire protection photographs are enclosed as Annexure -13.
xv.	A separate cell shall be formed and	Condition complied.

	kept in readiness with suitable trained personnel for handling of firefighting equipments and operations.	Separate environmental management cell has been assigned for implementation monitoring and compliance of the environmental safeguards. Details of Roles and responsibilities of Environment cell with Organogram is attached as Annexure – 10. Further, individual industries have fire fighting systems for handling of firefighting operations. Fire protection photograph is enclosed as Annexure -13.
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.	Condition is being complied. SIPCOT has not proposed any DG sets within the project site / common amenities. However, Individual industries shall comply with the CPCB / TNPCB Norms, in accordance with their consent order. Noise monitoring quality report is enclosed as Annexure 4. DG set photographs are enclosed as Annexure -18.
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	Condition is being complied. Individual industries have developed greenbelt within their plots and photographs of the same are enclosed as Annexure -11 Noise monitoring quality report is enclosed as Annexure-4.
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.	Condition noted. Individual industries are advised to utilize solar energy. Individual industries have installed roof top solar and utilizing solar energy. Solar energy utilization photograph of individual industries is enclosed as Annexure -17.

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 are enclosed as Annexure -15.
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. SIPCOT has developed only infrastructure facilities such as roads, streetlights, water supply system, greenbelt, etc. and will allot the plot to individual industries. Hence, energy conservation measures are being implemented by the individual industries.

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. Proof of submission of six monthly reports to Competent Authorities is enclosed as Annexure-8.
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	Agreed to the condition.

	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.	Condition noted.
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.	Condition complied.
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.	Condition noted.

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.	Condition Noted. Environmental Clearance is obtained from SEIAA EC copy is enclosed as Annexure - 1
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 4. Proof of submission of six monthly reports to Competent Authorities is enclosed as Annexure 8.
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. Proof of submission of six monthly reports to Competent Authorities is enclosed as Annexure 8.

		Screenshot of Six- monthly compliance uploaded in SIPCOT 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.	Condition is being complied. 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. Ambient air quality is monitored regularly and the report is enclosed as Annexure 4.
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.	Condition complied. Screenshot of EC copy uploaded in SIPCOT website is enclosed as Annexure 6.

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. Lotus Enviro Systems Pvt Ltd. an NABL accredited laboratory for the period of **October 2025 to March 2026**.

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 (NO_x) and Carbon monoxide were monitored. The test report of ambient air quality for the period of October 2025 to March 2026 is enclosed as **Annexure - 4**.

5.2 Ambient Noise level monitoring

Ambient noise quality was monitored and the test report of ambient noise recorded during the period of October 2025 to March 2026 is enclosed in **Annexure - 4**.

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 2025 to March 2026 is enclosed as **Annexure - 4**.

5.4 Ground water quality monitoring

Ground water was tested for various water quality parameters during October 2025 to March 2026. The test report of ground water collected and analyzed is enclosed as **Annexure - 4**.

5.4 Surface water quality monitoring

Surface water was collected for various water quality parameters during October 2025 to March 2026. The test report of surface water collected and analyzed is enclosed as **Annexure -4**.

Environmental Monitoring photographs are enclosed as **Annexure-5**.

6. CONCLUSION

1. Environmental monitoring was carried out at site during the period of **October 2025 to March 2026**.
2. All the conditions stipulated in Environmental Clearance are complied / being complied/will be complied.

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



STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,
4-D, Panagal Maligal, 1 Jeenai 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, Pillalpakkam, 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, interalia, that the project proposal is for the infrastructural development of an Industrial park at SF.No. Vide Annexure of Pillalpakkam, 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, 1989 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.
- xii) The Plastic wastes shall be segregated and disposed through authorized recyclers.
- xiii) A First Aid Room shall be provided with qualified personnel during operation of the project.
- xiv) Adequate fire protection equipments and rescue arrangements should be made.
- xv) A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of fire fighting equipments / operations.
- 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.
- 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 Operallon 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,
Parivaran Bhavan, CGO Complex, New Delhi 110003.
8. The District Collector, DL 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.



CHIEF ENGINEER (O&M-II)

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

SAVE
WATER

LT No. CMWSSB/O.E(O&M-I)/S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2019-20. Dated 13.04.2020

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

Sub. CMWSSB – O.E(O&M-I) – S.E(WWT&R) – Design, Build and Operate for 15 years (DBO) a 45 MLD capacity Tertiary Treatment Reverse Osmosis (TTRO) Plant at Koyambadu including supply, laying and maintenance of M.S. transmission main for conveying product water to various SIPCOT industries situated at Irungallukottai, Sriperumbudur and Oragadam – Works Completed in all aspects – Inaugurated and Commissioned by the Hon'ble Chief Minister of Tamil Nadu on 29.11.2019 – Supply of TTRO Water to the M/s SIPCOT industries located at Irungallukottai, Pillaipakkam, Vallamvadagal, Sriperumbudur and Oragadam commenced from 18.12.2019 – Security deposit to be remitted –Requested – Reminder – Reg

Ref. LT No. CMWSSB / O.E(O&M-I) / S.E(WWT&R) / 45 TTRO-KOY / SIPCOT / 2019-20 Dated 06.12.2019 & 06.12.2019 & 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 Koyambadu including supply, laying and maintenance of M.S. transmission main for conveying product water to various SIPCOT industries situated at Irungallukottai, Sriperumbudur and Oragadam" has been completed in all aspects and has been inaugurated & commissioned by the Hon'ble Chief Minister of Tamil Nadu on 29.11.2019. The supply of TTRO product water to the M/s SIPCOT industries located at Irungallukottai, Pillaipakkam, Vallamvadagal, Sriperumbudur and Oragadam from Koyambadu 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 Koyambadu 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, in spite 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.360 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 மாவட்டம் - திருப்பெரும்புளூர் வட்டம் - இருக்காட்டுக் கோட்டை கிராமம் - அப்போட் தொழில் வளாகத்தில் ஸ்ரீமதி தொழிற்சாலைக்கு - செம்பரம்பாக்கம் ஏரியிலிருந்து ஓட்டை மறிப்பு நிலங்களுக்கு நீர்ப்பாசனம் போக எஞ்சிய நீர் 5 மில்லியன் கன அடங்கு நீர் - வழங்குதல் - ஆணை வெளியிடப் படுகிறது.

பொதுப்பணி (புதுப்பனை)

அரசு ஆணை (நிலை) : 134

தாள்: 31.3.1997

பலக்கலம்:

1. மேலாங்கம் இயக்குநர், அப்போட் தேர்வுக் கமிட்டி என். 1026/96
தாள்: 2.9.1996.
2. தலைமைப்பொறியாளர், நீர்வள ஆதார அமைப்பு, சென்னை மண்டலம்,
அருவங்கா ஓட்டை வழங்கல் குறை கமிட்டி என். பி.பி. 1/5250/96,
தாள்: 24.12.1996.

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

2. பாரிவை 2ல் கட்ட கமிட்டியில் தலைமைப்பொறியாளர் நீர் வள ஆதார அமைப்பு சென்னை மண்டலம் மற்றும் அருவங்கா ஓட்டை வழங்கல் திட்டம், கட்டிட காலக்காலில் செம்பரம்பாக்கம் ஏரியில் உள்ள நீர் நிலை ஒரே சீராகவும், 1992ம் ஆண்டு 485 மில்லியன் கன அடியாகவும் 1980ம் ஆண்டு 711 மில்லியன் கன அடியாகவும் 1996ம் ஆண்டு 2401 மில்லியன் கன அடியாகவும் இருந்ததென, குறிப்பிட்டுள்ளார். மேலும் பதிவு செய்யப் பட்டுள்ள 13,223 ஏக்கர் சுயக்கட்டுகளில் தற்போது விவசாயம் செய்யப்பட்டு வரும் 9800 ஏக்கர் நிலங்களுக்கு நீர்ப்பாசனம் செய்தாக வேண்டும் என்ற நிலை உள்ளது என்பது குறிப்பிட்டுள்ளார். மேலும் இத்தோடு சென்னை மாநகருக்கு ஆதரவாக வசதியும் செம்பரம்பாக்கம் ஏரியிலிருந்து வழங்க வேண்டியிருப்பதால் நீர் இருப்பை கருத்தில் கொண்டு தாள் தண்ணீர் வழங்க வேண்டும் என்ற குறிப்பிட்டுள்ளார்.

3. தலைமைப்பொறியாளர் (சென்னை மண்டலம் மற்றும் அருவங்கா ஓட்டை வழங்கல் திட்டம்) உ் கமிட்டியைக் கருத்திற் கொண்டு அப்போட் தொழில் வளாகத்திற்குச் செயற்குறிப்பை அரசு பரிசீலித்தது.

செம்பரம்பாக்கம் ஏரியில் நீர் இருப்பிற்கான, பதிவு செய்யப் பட்ட சுயக்கட்டு பகுதிகளுக்கான தேவையான தண்ணீர் மறிப்பு சென்னை நகருக்கு ஓட்டைக்குத் தேவையான ஓட்டைப் பூரித்த செய்த படி செம்பரம்பாக்கம்



/உயிர்பா/

புதுப்பனை அமைப்புகள் பகுதி - கிளினிக் மருத்துவம்.

21/4

SS

21/4

ARE.

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

Madam, Secretary

ஏற்பட்டிருந்த தாது ஒட்டிக்கு 5 பீசுமேல் என ஒரு சிப்பகாட் தொழில்
வளாகத்திற்கு வழங்குவதற்கு அரசு உடனடியாகவே. மேற்கண்ட வளாகத்தை
நிறைவேற்றியும், சிப்பகாட் தொழில் வளாகத்திற்கு பொதுப்பணித்துறையால் புதிய
நிபந்தனைகளுக்கு உட்பட்டு ஒப்பந்தத்தில் கையொப்பப்பட்ட பீசுமேல் தீர்
வழங்க வேண்டும் எனத் தலைமைப்பொறுப்பாளர், சென்னை மண்டலம், மற்றும்
சிடுஉத்தர குடிநீர் வழங்கல் திட்டம் அறிவித்தப்படுகிறது.

(ஆளுநர் துணைப்பல)

செ.பி. குப்பா,
அரசு செயலர்.

பெயர்:

தலைமைப்பொறுப்பாளர்,
நீர்வள ஆதார துணைப்பு, சென்னை.5.

தலைமைப்பொறுப்பாளர்,
நீர்வள ஆதார துணைப்பு,
சென்னை மண்டலம் மற்றும் சிடுஉத்தர குடிநீர்
மற்றும் வழங்கல் துறை,
✓மேலாதிக்கமய்யுத்தரர்,
தமிழ்நாடு தொழில் வளர்ச்சி, கழகம்,
19 ஏ. ருக்மணி ஸ்ட்ரீட், ரோடு,
எழும்பூர், சென்னை.8.
தொகுப்பு, சட்டியர், துணை மாஸ்டர்.

நகல்:

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

/துணைப்பல/அனுப்பப்படுகிறது/

பி.சி.சுப்பிரமணியன்
பிரதி செயலர் 3/4/97



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 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 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. I.R.F.SPR1434/RL/DEC/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 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.



TAMILNADU POLLUTION CONTROL BOARD

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

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

Copy to:

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

//forwarded by order//

S. S. S. S. S.
for CHAIRMAN 2/13/12

RSG/ 15/3/12



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.	

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 2.4 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 ml. 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. SIRCOT INDUSTRIAL PARK, PILLAIPAKKAM 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 lightning 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/-

CHAIRMAN

TAMILNADU POLLUTION CONTROL BOARD
CHENNAI.

//Forwarded by order//

For CHAIRMAN.

21/3/12



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 dosilting 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

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு புறம் தூய்மை வாழ்வுக்கு



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. SIFCOT 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. 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 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. SIFCOT 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.

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



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. S. [Signature]
For CHAIRMAN.

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 at least 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 meteorological 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 off-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

21/5/12



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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(Accredited by NABL, Recognized by MoEF, ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 Certified Organization)

TEST REPORT

Job No. 578/25-26 ULR No. TC1513126000000880F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Pillalpakkam	
Sample Drawn by	: LES	
Date of Monitoring	: 23.02.2026 & 24.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location :Project Area		Temperature :32.0°C
Sample Code	: LES2602424	Humidity :70%
Sample Received On	:26.02.2026	Report Number :LES0880
Test Commenced On	:26.02.2026	Test Completed On :05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	23.3	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	92.7	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	22.2	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	18.8	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

*National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, The 18th November, 2009 - Industrial, Residential, Rural and Other Area.

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



End of Report
1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

Note: Any unauthorized alteration, forgery or falsification of the content or appearance of this test report is unlawful. Unless and otherwise stated the submitted results in this test report refer only to the sample(s) tested and such sample(s) are retained only for 15 days from the completion date of testing, except in case of regulatory samples. Samples are not drawn by us unless otherwise stated. This test report cannot be reproduced except in full, without prior written approval. This test report is for the exclusive use of Lotus Enviro Systems Private Limited and the referred customers.



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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000881F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Pillaiappakkam	
Sample Drawn by	: LES	
Date of Monitoring	: 24.02.2026 & 25.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Katchipedu	Temperature : 31.0°C
Sample Code	: LES2602425	Humidity : 67%
Sample Received On	: 26.02.2026	Report Number : LES0881
Test Commenced On	: 26.02.2026	Test Completed On : 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	22.9	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	93.3	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	23.9	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	19.6	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AA5/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

*National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, The 18th November, 2009 - Industrial, Residential, Rural and Other Area.

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification

End of Report****
1 of 1

U.ANBARASAN
Quality Manager

Note: Any unauthorized alteration, forgery or falsification of the content or appearance of this test report is unlawful. Unless and otherwise stated the submitted results in this test report refer only to the sample(s) tested and such sample(s) are retained only for 15 days from the completion date of testing, except in case of regulatory samples. Samples are not drawn by us unless otherwise stated. This test report cannot be reproduced except in full, without prior written approval. This test report is for the exclusive use of Lotus Enviro Systems Private Limited and the referred customers.



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TEST REPORT

Job No. 578/25-26 ULR No. TC1513126000000882F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Pillaipakkam	
Sample Drawn by	: LES	
Date of Monitoring	: 23.02.2026 & 24.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Irungattukottai	Temperature : 34.0°C
Sample Code	: LES2602426	Humidity : 70%
Sample Received On	: 26.02.2026	Report Number : LES0882
Test Commenced On	: 26.02.2026	Test Completed On : 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	23.5	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	89.6	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	18.1	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	24.1	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

*National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, The 18th November, 2009 - Industrial, Residential, Rural and Other Area.

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



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Quality Manager

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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000883F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Pillaipakkam	
Sample Drawn by	: LES	
Date of Monitoring	: 23.02.2026 & 24.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Amarambedu	Temperature : 33.0°C
Sample Code	: LE52602427	Humidity : 69%
Sample Received On	: 26.02.2026	Report Number : LE50883
Test Commenced On	: 26.02.2026	Test Completed On : 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	24.9	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	92.6	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	22.8	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	27.1	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

*National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, The 18th November, 2009 - Industrial, Residential, Rural and Other Area.

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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000884F Report Date 05.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Pillalpakkam	
Sample Drawn by	: LES	
Date of Monitoring	: 24.02.2026 & 25.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	:Bharathinagar	Temperature :33.0°C
Sample Code	: LES2602428	Humidity :66%
Sample Received On	:26.02.2026	Report Number :LES0884
Test Commenced On	:26.02.2026	Test Completed On :05.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	21.0	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	94.4	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	19.2	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	22.3	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AA5/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

*National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, The 18th November, 2009 - Industrial, Residential, Rural and Other Area.

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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000885F Report Date 05.03.2026

Sample Description : Ambient Noise Levels
Customer Name : M/s.SIPCOT Limited,
Customer Address : Pillaipakkam
Sample Drawn by : LES
Date of Monitoring : 24.02.2026 & 25.02.2026
Sample Code : LES2602429
Test Commenced On : 26.02.2026
Report Number : LES0885
Sampling Method : LES/EN/GEN/SOP/006
Test Method : IS: 9989-1981
Sample Received On : 26.02.2026
Test Completed On : 05.03.2026

S.No	Location	Noise Level – Day Time			Noise Level – Night Time		
		Min dB(A)	Max dB(A)	Leq	Min dB(A)	Max dB(A)	Leq
1.	Project Area	40.4	49.9	45.8	38.5	43.2	41.0
2.	Katchipedu	40.9	53.5	48.3	37.5	43.4	40.7
3.	Irungattukottai	47.7	49.8	48.8	36.5	40.2	38.5
4.	Amarambedu	45.8	50.6	48.1	38.2	41.7	40.2
5.	Bharathinagar	40.8	50.2	46.2	36.9	41.7	39.4
LIMITS – INDUSTRIAL AREA		Day Time - Max		75 dB(A)	Night Time - Max		70 dB(A)
LIMITS – RESIDENTIAL AREA		Day Time - Max		55 dB(A)	Night Time - Max		45 dB(A)

* As Per TNPCB & You -2025, Ambient Air Quality Standards In Respect of Noise.

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Quality Manager

Note: Day Time Shall Meant From 6.00AM to 10.00Pm, Night Time Shall Meant From 10.00Pm to 6.00AM

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TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000886F Report Date 20.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602430	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Project Site	Report Number: LES0886

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	10	5	15
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)	1	5
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	424	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.85	6.5 to 8.5	6.5 to 8.5
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)	0.5	0.5
6.	Anionic Detergents as MBA5	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)	0.2	1.0
7.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	13.19	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	20	45	45
9.	Barium as Ba	APHA 24 th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)	0.7	0.7
10.	Calcium as Ca	IS:3025 (Part-40)1991	mg/L	53.16	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C _E :2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05



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TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000886F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	97.66	250	1000
21.	Fluoride as F	APHA 24 th Edition 2023 4500 F D	mg/L	BLQ (LOQ:0.2)	1.0	1.5
22.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO4 E	mg/L	128	200	400
23.	Phenolic Compound as C ₆ H ₅ OH	IS:3025(Part-43) Sec 1:2022	mg/L	BLQ (LOQ:0.001)	0.001	0.002
24.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)2023	mg/L	234.17	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	187.2	200	600
26.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ (LOQ:1.0)	---	---
27.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	60.63	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	8.12	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	0.95	---	---
30.	Hexavalent Chromium as Cr ⁶⁺	IS:3025 (Part-52)2003	mg/L	BLQ (LOQ:0.02)	---	---
31.	Biochemical Oxygen Demand (3 days incubation @27°C)	IS:3025 (Part-44)2023	mg/L	BLQ (LOQ:2.0)	---	---
32.	Chemical Oxygen Demand	IS:3025 (Part-58)2023	mg/L	BLQ (LOQ:4.0)	---	---
33.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ (LOQ:2.0)	---	---
34.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	234.17	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	663	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	40.05	---	---
37.	Total Phosphorous as P	IS:3025(Part-31) Sec 1:2022	mg/L	BLQ (LOQ:0.1)	---	---
38.	Sodium adsorption Ratio	IS:11624:2019	meq/L	0.26	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.3	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

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Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



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TEST REPORT

Job No. 578/25-26 Report No. 26000000886 Report Date 05.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602430	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Project Site	

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Lead as Pb	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.01)	0.01	0.01
2.	Cadmium as Cd	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.001)	0.003	0.003
3.	Total Chromium as Cr	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.005)	0.05	0.05
4.	Nickel as Ni	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.01)	0.02	0.02
5.	Phosphate as PO ₄	IS:3025 (Part-31)Sec 1:2022	mg/L	BLQ (LOQ:0.3)	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000887F Report Date 20.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602431	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Amarambedu	Report Number: LES0887

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	10	5	15
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)	1	5
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	1084	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.7	6.5 to 8.5	6.5 to 8.5
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)	0.5	0.5
6.	Anionic Detergents as MBAS	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)	0.2	1.0
7.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	24.56	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	21	45	45
9.	Barium as Ba	APHA 24 th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)	0.7	0.7
10.	Calcium as Ca	IS:3025 (Part-40)1991	mg/L	184.2	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05

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TEST REPORT

Job No. 534/25-26 ULR No. TC151312600000887F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	164.49	250	1000
21.	Fluoride as F	APHA 24 th Edition 2023 4500 F D	mg/L	BLQ (LOQ:0.2)	1.0	1.5
22.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	250	200	400
23.	Phenolic Compound as C ₆ H ₅ OH	IS:3025(Part-43) Sec 1:2022	mg/L	BLQ (LOQ:0.001)	0.001	0.002
24.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)2023	mg/L	318	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	561.6	200	600
26.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ (LOQ:1.0)	---	---
27.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	129.0	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	17.03	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-4.85	---	---
30.	Hexavalent Chromium as Cr ⁶⁺	IS:3025 (Part-52)2003	mg/L	BLQ (LOQ:0.02)	---	---
31.	Biochemical Oxygen Demand (3 days incubation @27°C)	IS:3025 (Part-44)2023	mg/L	BLQ (LOQ:2.0)	---	---
32.	Chemical Oxygen Demand	IS:3025 (Part-58)2023	mg/L	BLQ (LOQ:4.0)	---	---
33.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ (LOQ:2.0)	---	---
34.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	318	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	1693	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	32.5	---	---
37.	Total Phosphorous as P	IS:3025(Part-31) Sec 1:2022	mg/L	BLQ (LOQ:0.1)	---	---
38.	Sodium adsorption Ratio	IS:11624:2019	meq/L	0.05	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.4	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



End of Report

P2 of 2

Authorized Signatory

U.ANBARASAN
Quality Manager

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TEST REPORT

Job No. 578/25-26 Report No. 26000000887 Report Date 05.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602431	Sample Condition : Clear Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Amarambedu	

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Lead as Pb	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.01)	0.01	0.01
2.	Cadmium as Cd	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.001)	0.003	0.003
3.	Total Chromium as Cr	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.005)	0.05	0.05
4.	Nickel as Ni	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.01)	0.02	0.02
5.	Phosphate as PO ₄	IS:3025 (Part-31)Sec 1:2022	mg/L	BLQ (LOQ:0.3)	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000888F Report Date 05.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602432	Sample Condition : Clear Liquid
Sampling Date : 25.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Katchipedu	Report Number: LES0888

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	10	5	15
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)	1	5
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	1512	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	6.86	6.5 to 8.5	6.5 to 8.5
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)	0.5	0.5
6.	Anionic Detergents as MBAS	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)	0.2	1.0
7.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	46	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	32	45	45
9.	Barium as Ba	APHA 24 th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)	0.7	0.7
10.	Calcium as Ca	IS:3025 (Part-40)1991	mg/L	50	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05

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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000888F Report Date 05.03.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	411.22	250	1000
21.	Fluoride as F	APHA 24 th Edition 2023 4500 F D	mg/L	BLQ (LOQ:0.2)	1.0	1.5
22.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO4 E	mg/L	232	200	400
23.	Phenolic Compound as C ₆ H ₅ OH	IS:3025(Part-43) Sec 1:2022	mg/L	BLQ (LOQ:0.001)	0.001	0.002
24.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)2023	mg/L	422	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	437	200	600
26.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ (LOQ:1.0)	---	---
27.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	439.5	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	47.91	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	2.16	---	---
30.	Hexavalent Chromium as Cr ⁶⁺	IS:3025 (Part-52)2003	mg/L	BLQ (LOQ:0.02)	---	---
31.	Biochemical Oxygen Demand (3 days incubation @27°C)	IS:3025 (Part-44)2023	mg/L	BLQ (LOQ:2.0)	---	---
32.	Chemical Oxygen Demand	IS:3025 (Part-58)2023	mg/L	BLQ (LOQ:4.0)	---	---
33.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ (LOQ:2.0)	---	---
34.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	422	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	4870	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	71.8	---	---
37.	Total Phosphorous as P	IS:3025(Part-31) Sec 1:2022	mg/L	BLQ (LOQ:0.1)	---	---
38.	Sodium adsorption Ratio	IS:11624-2019	meq/L	0.99	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.3	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



End of Report

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U. ANBARASAN
Quality Manager

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TEST REPORT

Job No. 578/25-26 Report No. 26000000888 Report Date 05.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602432	Sample Condition : Clear Liquid
Sampling Date : 25.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Katchipedu	

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Lead as Pb	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.01)	0.01	0.01
2.	Cadmium as Cd	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.001)	0.003	0.003
3.	Total Chromium as Cr	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.005)	0.05	0.05
4.	Nickel as Ni	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.01)	0.02	0.02
5.	Phosphate as PO ₄	IS:3025 (Part-31)Sec 1:2022	mg/L	BLQ (LOQ:0.3)	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



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TEST REPORT

Job No. 578/25-26 ULR No. TC1513126000000889F Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602433	Sample Condition : Slightly Turbid Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Lake Near Amarambedu	Report Number: LES0889

S.No	Description	Method of Reference	Units	Results
1.	Color	IS:3025 (Part-4)2021	Hazen	5
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	307.2
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.78
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)
6.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	13.74
7.	Nitrate as NO ₃	APHA 24th Edition 2023 4500 NO ₃ -B	mg/L	6.14
8.	Barium as Ba	APHA 24th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)
9.	Calcium as Ca	IS:3025 (Part-40)1991	mg/L	30.72
10.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ(LOQ:0.05)
11.	Manganese as Mn	APHA 24th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)
12.	Arsenic as As	APHA 24th Edition 2023 3114 C	mg/L	BLQ(LOQ:0.002)
13.	Mercury as Hg	APHA 24th Edition 2023 3112 B	mg/L	BLQ(LOQ:0.0005)
14.	Copper as Cu	APHA 24th Edition 2023 3111 - B	mg/L	BLQ(LOQ:0.03)
15.	Zinc as Zn	APHA 24th Edition 2023 3111 - B	mg/L	BLQ(LOQ:0.02)
16.	Selenium as Se	APHA 24th Edition 2023 3114 - C	mg/L	BLQ(LOQ:0.001)
17.	Boron as B	APHA 24th Edition 2023 4500 B B	mg/L	BLQ(LOQ:0.1)
18.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	56.54
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)



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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000889F Report Date 05.03.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	36.86
21.	Phenolic Compound as C ₆ H ₅ OH	IS:3025(Part-43) Sec 1:2022	mg/L	BLQ(LOQ:0.001)
22.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)2023	mg/L	61.44
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	108.16
24.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ(LOQ:1.0)
25.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	76.8
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	7.68
27.	Hexavalent Chromium as Cr ⁶⁺	IS:3025 (Part-52)2003	mg/L	BLQ(LOQ:0.02)
28.	Biochemical Oxygen Demand (3 days incubation @27°C)	IS:3025 (Part-44)2023	mg/L	BLQ(LOQ: 2.0)
29.	Chemical Oxygen Demand	IS:3025 (Part-58)2023	mg/L	BLQ(LOQ:4.0)
30.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	480
31.	Total Phosphorous as P	IS:3025(Part-31) Sec 1:2022	mg/L	BLQ(LOQ:0.1)
32.	Sodium adsorption Ratio	IS:11624:2019	meq/L	0.76
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.5

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification

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U.ANBARASAN
Quality Manager

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TEST REPORT

Job No. 578/25-26 Report No. LES0889 Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602433	Sample Condition : Slightly Turbid Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Lake Near Amarambedu	

S.No	Description	Method of Reference	Units	Results
1.	Lead as Pb	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.01)
2.	Cadmium as Cd	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.001)
3.	Total Chromium as Cr	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.005)
4.	Nickel as Ni	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.01)
5.	Phosphate as PO ₄	IS:3025 (Part-31)Sec 1:2022	mg/L	BLQ (LOQ:0.3)
6.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-1.43
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	53.87
8.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)
9.	Anionic Detergents as MBAS	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)
10.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ(LOQ:2.0)
11.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	61.44

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Quality Manager

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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000890F Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602434	Sample Condition : Slightly Turbid Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Pond Near Anakaputhur	Report Number: LES0890

S.No	Description	Method of Reference	Units	Results
1.	Color	IS:3025 (Part-4)2021	Hazen	5
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	410
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	8
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)
6.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	3
7.	Nitrate as NO ₃	APHA 24th Edition 2023 4500 NO ₃ -B	mg/L	4.8
8.	Barium as Ba	APHA 24th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)
9.	Calcium as Ca	IS:3025 (Part-40)1991	mg/L	48
10.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ(LOQ:0.05)
11.	Manganese as Mn	APHA 24th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)
12.	Arsenic as As	APHA 24th Edition 2023 3114 C	mg/L	BLQ(LOQ:0.002)
13.	Mercury as Hg	APHA 24th Edition 2023 3112 B	mg/L	BLQ(LOQ:0.0005)
14.	Copper as Cu	APHA 24th Edition 2023 3111 - B	mg/L	BLQ(LOQ:0.03)
15.	Zinc as Zn	APHA 24th Edition 2023 3111 - B	mg/L	BLQ(LOQ:0.02)
16.	Selenium as Se	APHA 24th Edition 2023 3114 - C	mg/L	BLQ(LOQ:0.001)
17.	Boron as B	APHA 24th Edition 2023 4500 B B	mg/L	BLQ(LOQ:0.1)
18.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	130
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)



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TEST REPORT

Job No. 578/25-26 ULR No. TC1513126000000890F Report Date 05.03.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	36
21.	Phenolic Compound as C ₆ H ₅ OH	IS:3025(Part-43) Sec 1:2022	mg/L	BLQ(LOQ:0.001)
22.	Total Alkalinity as CaCO ₃	IS:3025 (Part-23)2023	mg/L	148
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	133
24.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ(LOQ:1.0)
25.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	86
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	16
27.	Hexavalent Chromium as Cr ⁶⁺	IS:3025 (Part-52)2003	mg/L	BLQ(LOQ:0.02)
28.	Biochemical Oxygen Demand (3 days incubation @27°C)	IS:3025 (Part-44)2023	mg/L	BLQ(LOQ: 2.0)
29.	Chemical Oxygen Demand	IS:3025 (Part-58)2023	mg/L	BLQ(LOQ:4.0)
30.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	684
31.	Total Phosphorous as P	IS:3025(Part-31) Sec 1:2022	mg/L	BLQ(LOQ:0.1)
32.	Sodium adsorption Ratio	IS:11624:2019	meq/L	0.59
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.7

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LOQ – Limit of Quantification

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TEST REPORT

Job No. 578/25-26 Report No. 1513126000000890 Report Date 05.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602434	Sample Condition : Slightly Turbid Liquid
Sampling Date : 24.02.2026	Sample Received On: 26.02.2026
Test Commenced On: 26.02.2026	Test Completed On: 05.03.2026
Sampling Location : Pond Near Anakaputhur	

S.No	Description	Method of Reference	Units	Results
1.	Lead as Pb	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.01)
2.	Cadmium as Cd	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.001)
3.	Total Chromium as Cr	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.005)
4.	Nickel as Ni	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.01)
5.	Phosphate as PO ₄	IS:3025 (Part-31)Sec 1:2022	mg/L	BLQ (LOQ:0.3)
6.	Residual Sodium Carbonate	IS:11624-2019	meq/L	0.32
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	55.06
8.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)
9.	Anionic Detergents as MBAS	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)
10.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ(LOQ:2.0)
11.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	148

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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000891F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillalpakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602435	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Project Area	Report Number: LES0891

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.31
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	325.8
3.	Total Sand	AES/EN/SLS/SOP/017	%	51
4.	Silt	AES/EN/SLS/SOP/017	%	13
5.	Clay	AES/EN/SLS/SOP/017	%	30
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.34
7.	Moisture	IS 2720 (Part - 2)1973	%	4.76
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	160
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.68
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.17
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	19.22
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	135
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	22.8
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	4.2
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	24.8
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	30
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	23
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.72
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	15.4
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	4.7
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	7.2

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TEST REPORT

Job No. 578/25-26 Report No. 26000000891 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602435	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Project Area	

S.No	Description	Method of Reference	Units	Results
1.	Soil Texture	LES/EN/SLS/SOP/030	---	Sandy
2.	Infiltration Rate	LES/EN/SLS/SOP/031	cm/hr	1.5
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

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TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000892F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602436	Sample Condition : Fit for analysis
Sampling Date : 25.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Katchipedu	Report Number: LES0892

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.14
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	348.4
3.	Total Sand	AES/EN/SLS/SOP/017	%	48
4.	Silt	AES/EN/SLS/SOP/017	%	13
5.	Clay	AES/EN/SLS/SOP/017	%	33
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.32
7.	Moisture	IS 2720 (Part - 2)1973	%	4.11
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	142
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.34
10.	Total Organic matter	IS:2720 (Part -22)1972	%	0.59
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	28.57
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	72
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	23.6
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6.2
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	4
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	14.3
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	9.5
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.34
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17.8
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	2.7
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.4

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TEST REPORT

Job No. 578/25-26 Report No. 26000000892 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602436	Sample Condition : Fit for analysis
Sampling Date : 25.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Katchipedu	

S.No	Description	Method of Reference	Units	Results
1.	Soil Texture	LES/EN/SLS/SOP/030	---	Sandy
2.	Infiltration Rate	LES/EN/SLS/SOP/031	cm/hr	1.4
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

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TEST REPORT

Job No. 578/25-26 ULR No. TC1513126000000893F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602437	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Irungattukottai	Report Number: LES0893

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.53
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	468
3.	Total Sand	AES/EN/SLS/SOP/017	%	52
4.	Silt	AES/EN/SLS/SOP/017	%	11
5.	Clay	AES/EN/SLS/SOP/017	%	32
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.55
7.	Moisture	IS 2720 (Part - 2)1973	%	4.36
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	150
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.35
10.	Total Organic matter	IS:2720 (Part -22)1972	%	0.6
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	38.84
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	74
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	26
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6.8
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	3.6
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	14.6
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	11.6
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	20
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.36
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.2
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	3.7
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.9

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TEST REPORT

Job No. 578/25-26 Report No. 26000000893 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602437	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Irungattukottai	

S.No	Description	Method of Reference	Units	Results
1.	Soil Texture	LES/EN/SLS/SOP/030	---	Sandy
2.	Infiltration Rate	LES/EN/SLS/SOP/031	cm/hr	1.5
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

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U.ANBARASAN
Quality Manager

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Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680



(Accredited by NABL, Recognized by MoEF, ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 Certified Organization)

TEST REPORT

Job No. 578/25-26 ULR No. TC151312600000894F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602438	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Amarambedu	Report Number: LES0894

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.26
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	148.6
3.	Total Sand	AES/EN/SLS/SOP/017	%	56
4.	Silt	AES/EN/SLS/SOP/017	%	11
5.	Clay	AES/EN/SLS/SOP/017	%	28
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.56
7.	Moisture	IS 2720 (Part - 2)1973	%	3.56
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	165
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.33
10.	Total Organic matter	IS:2720 (Part -22)1972	%	0.57
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	13.23
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	70
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	14
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	3
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	3.8
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	14.2
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	11.5
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	25
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.32
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	15.1
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	5.2
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	7.4

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

Note: BLQ – Below Limit of Quantification
LOQ – Limit of Quantification



End of Report****

1 of 1

Authorized Signatory

U.ANBARASAN
Quality Manager

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TEST REPORT

Job No. 578/25-26 Report No. 26000000894 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602438	Sample Condition : Fit for analysis
Sampling Date : 24.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Amarambedu	

S.No	Description	Method of Reference	Units	Results
1.	Soil Texture	LES/EN/SLS/SOP/030	---	Sandy
2.	Infiltration Rate	LES/EN/SLS/SOP/031	cm/hr	1.5
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Authorized Signatory

U.ANBARASAN
Quality Manager

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TEST REPORT

Job No. 578/25-26 ULR No. TC1513126000000895F Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602439	Sample Condition : Fit for analysis
Sampling Date : 25.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Bharathinagar	Report Number: LES0895

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.88
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	504.7
3.	Total Sand	AES/EN/SLS/SOP/017	%	53
4.	Silt	AES/EN/SLS/SOP/017	%	13
5.	Clay	AES/EN/SLS/SOP/017	%	30
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.55
7.	Moisture	IS 2720 (Part - 2)1973	%	5.2
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	147
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.34
10.	Total Organic matter	IS:2720 (Part -22)1972	%	0.59
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	41.89
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	72
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	27
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6.8
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	3.8
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	14.5
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	10.2
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	19
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.34
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.6
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	3.3
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.6

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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Note: BLQ - Below Limit of Quantification
LOQ - Limit of Quantification



*****End of Report*****
1 of 1

Authorized Signatory

U.ANBARASAN
Quality Manager

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(Recognized by MoEF, ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 Certified Organization)

TEST REPORT

Job No. 578/25-26 Report No. 26000000895 Report Date 05.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Pillaipakkam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602439	Sample Condition : Fit for analysis
Sampling Date : 25.02.2026	Sample Received On:26.02.2026
Test Commenced On:26.02.2026	Test Completed On:05.03.2026
Sampling Location : Bharathinagar	

S.No	Description	Method of Reference	Units	Results
1.	Soil Texture	LES/EN/SLS/SOP/030	---	Sandy
2.	Infiltration Rate	LES/EN/SLS/SOP/031	cm/hr	1.4
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

U.ANBARASAN
Quality Manager

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SIPCOT –PILLAIPAKKAM

ENVIRONMENTAL MONITORING PHOTOGRAPHS

AMBIENT AIR QUALITY MONITORING PHOTOGRAPHS:

Project Area



Amarambedu



Irungattukottai



Katchipedu



Bharathi Nagar



NOISE SAMPLING PHOTOGRAPH

Project site	Amarambedu
	
Irungattukottai	Katchipedu
	
Bharathi Nagar	
	

SOIL SAMPLING PHOTOGRAPH

Project site	Amarambedu
	
Irungattukottai	Katchipedu
	
Bharathi Nagar	
	

GROUND WATER SAMPLING PHOTOGRAPHS

Project site	Amarambedu
	
Katchipedu	
	

SURFACE WATER SAMPLING PHOTOGRAPHS

Lake near Amarambedu



Pond near Anakaputhur



SIPCOT | State Industries Promotion Corporation of Tamil Nadu

sipcotweb.tn.gov.in/Environment_clearance

WhatsApp EIA - Functional Area EIA Coordinator & F... List of Proposals Su... SR

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Thervoykandigai Thiruvallur	Pillaiyalkottam Kancheepuram
Vallam Vadogai - I Kancheepuram	Aerospace Park Kancheepuram

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SIPCOT
Govt. of Tamil Nadu

SIPCOT has nurtured the development of 50 Industrial Parks including 8 SEZs, spread over 24 districts in a total extent of about 48,926.48 acres.

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COMPLIANCE REPORTS

Compliance Report -
Thervoy Kandigai for Dec
2025



Compliance Report -
Pillaipakkam for Dec 2025



Compliance Report -
Vallam Vadagal I for Dec
2025



Compliance Report - Vaipur
Mathur for Dec 2025



Resources

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SIPCOT

EC/Pillaipakkam/HYC/Dec/2025

Date: 28.11.2025

To,
The Member Secretary,
State Level Environment Impact Assessment Authority,
9 th Floor, CMRL Building,
No. 327, Anna Salai, Nandanam,
Chennai - 600 035.

Sir/Madam,

Sub: SIPCOT Industrial Park at Pillaipakkam - Submission of Half Yearly Compliance Report for December 2025 (i.e., for the period of April 2025 to September 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 December 2025 (i.e., for the period of April 2025 to September 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,
Central Pollution Control Board,
Regional Directorate - Chennai,
2nd Floor, 40-E, BSNL Building,
TVK Industrial Estate, CIPET Road, Guindy,
Chennai - 600 032.



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



EC SIPCOT <ec@sipcot.in>

SIPCOT Industrial Park, Pillaipakkam - Submission of Half Yearly Compliance Report for December 2025 (i.e., for the period of April 2025 – September 2025) - Reg.

1 message

EC SIPCOT <ec@sipcot.in>

Sat, Nov 29, 2025 at 10:38 PM

To: ecompliance-tn@gov.in, rdchennai.cpcb@gov.in, cmantnseiaa@yahoo.com

Cc: PO Pillaipakkam <popk@sipcot.in>

Bcc: Sowmya <sowmya@itcot.com>

Sir/Madam,

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

Please find attached the Half Yearly Environmental Clearance Compliance Report (Six Monthly Report) for December 2025 (i.e., for the period of April 2025 – September 2025) for "Development of SIPCOT Industrial Park at Pillaipakkam, Navalur, Vengadu Villages, Sriperumbudur Taluk, Kancheepuram District, Tamil Nadu" along with supporting documents for your perusal and records.

--

Thanks & Regards,
Environment Cell,
SIPCOT



Pillaipakkam HYC Dec 25.pdf

18879K



SIPCOT

EC/I/362198/2025/PK

Date: 29.09.2025

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

/BY RPAD/

Sir,

Sub: SIPCOT Industrial Park, Pillaipakkam - Environmental Statement for the
Financial Year ending 31st March 2025 - 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 2025.

Yours faithfully,

Encl: As above.

CONSULTANT (PROJECT MANAGEMENT)



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

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**.

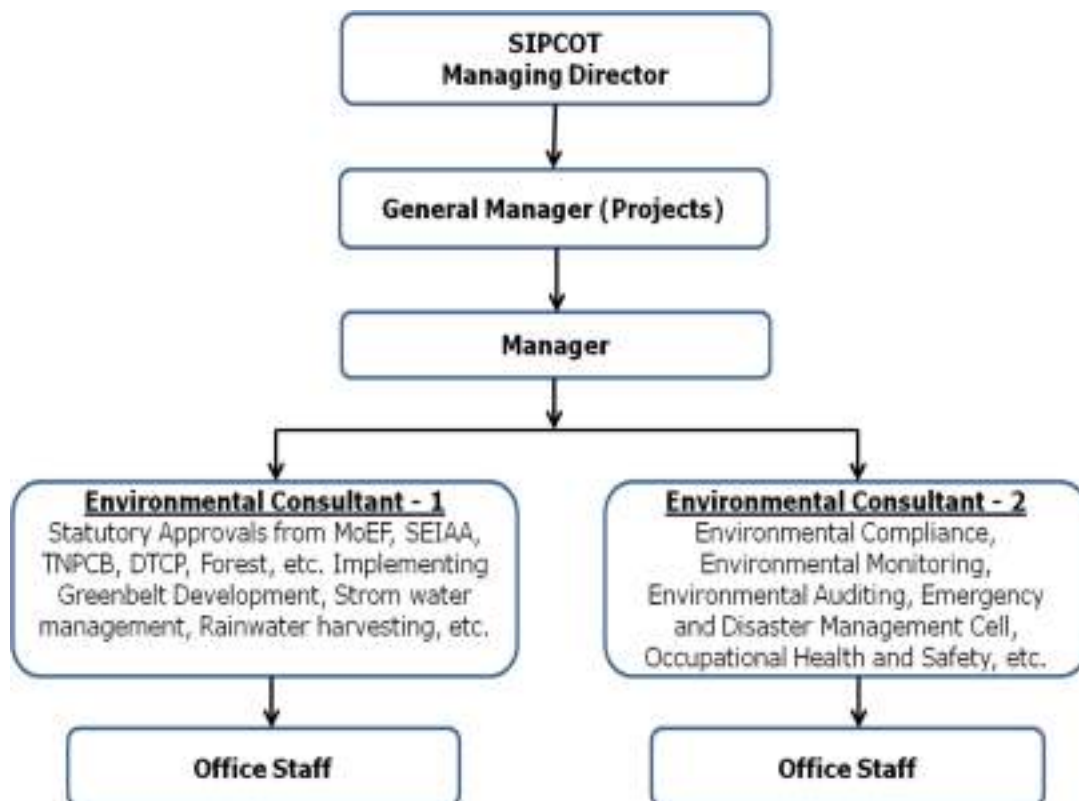


Figure - 1 Organogram for Environmental Management Cell

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	➤ 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	➤ 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	➤ 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)	➤ 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.

Photographs of Greenbelt

SIPCOT



BOSCH	
Gestamp Automotive Chennai pvt Ltd.	
HI Lex	
KONE	

YOROZU



First Solar



United Industries Plastic Private Ltd



Asian Sealing, Tamil Nadu, India
 20, Industrial Park, A.S.C., Anna Nagar, Tamil Nadu 600 055, India
 Lat: 12.95255° Long: 79.96950°
 011-26360811, 09845444444, 9845444444

Chemal, Tamil Nadu, India
Sipcot Industrial Park, 64, Chemal, Tamil Nadu 602705, India
Lat 10.860649 Long 76.261467
0110333325 00 54 PM GMT +05:30

Chemal, Tamil Nadu, India
KGS-Infra Energy - Watergates - Sipcot Industrial Park
KGS-Infra Energy - Watergates - Sipcot Industrial Park
Lat 10.860649 Long 76.261467
0110333325 00 54 PM GMT +05:30

Photographs of STP/ETP of member units

BOSCH (STP)



Gestamp (STP)



Hi Lex (STP)



KONE (STP&ETP)



YOROSU (STP & ETP)



STP of First Solar



STP of United Industries Plastic Private Ltd



ETP of United Industries Plastic Private Ltd



Mando



Asian Sealing Industry



Minda



Photographs of Fire Protection Equipments

GESTAMP



HI Lex



KONE



YOROSU



First Solar	
--------------------	--



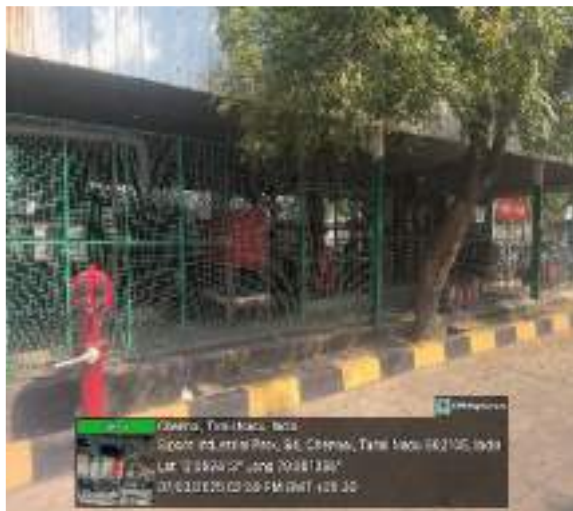
United Industries Plastic Private Ltd



Asian Sealing



Minda



KONE



YOROZU



United Industries Plastics Private Ltd



First solar



Mando



Minda



Photographs of Parking area**SIPCOT****BOSCH****GESTAMP**

HI Lex



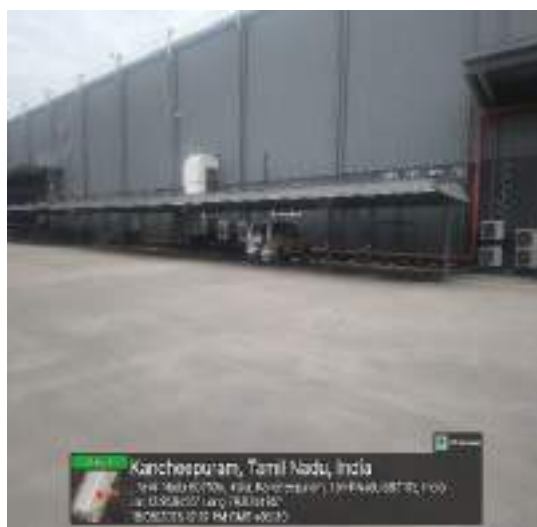
KONE



YOROZU



First Solar



United Industries Plastic Private Ltd



Mando



Asian Sealing



Photographs of First Aid Facilities of member units

BOSCH



GESTAMP



HI Lex



KONE



YOROZU



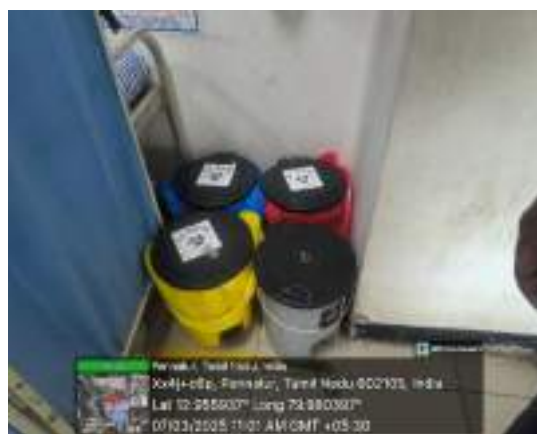
First Solar



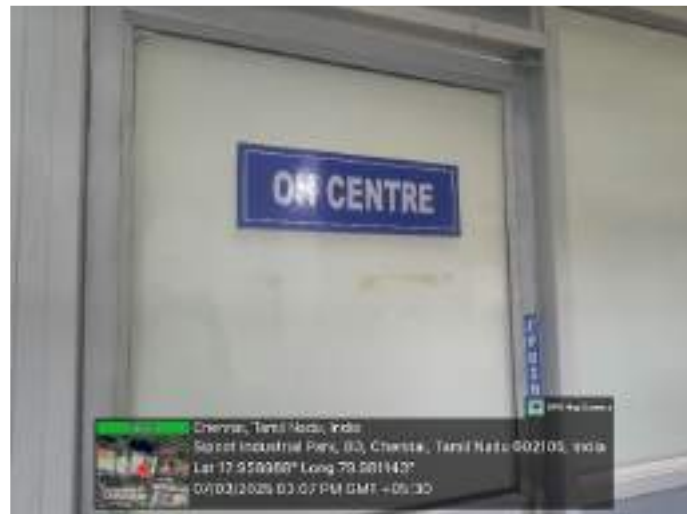
United Industries Plastic Private Ltd



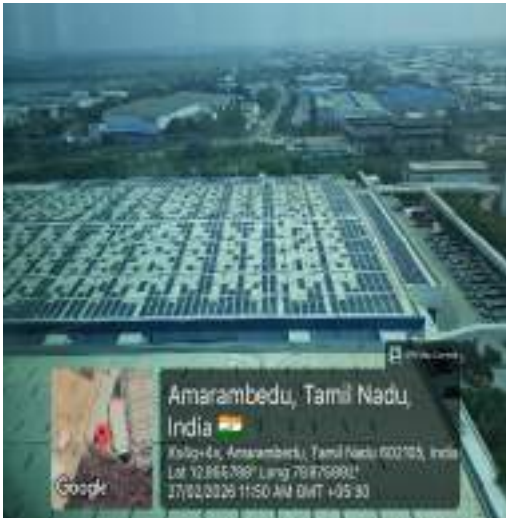
MANDO



MINDA



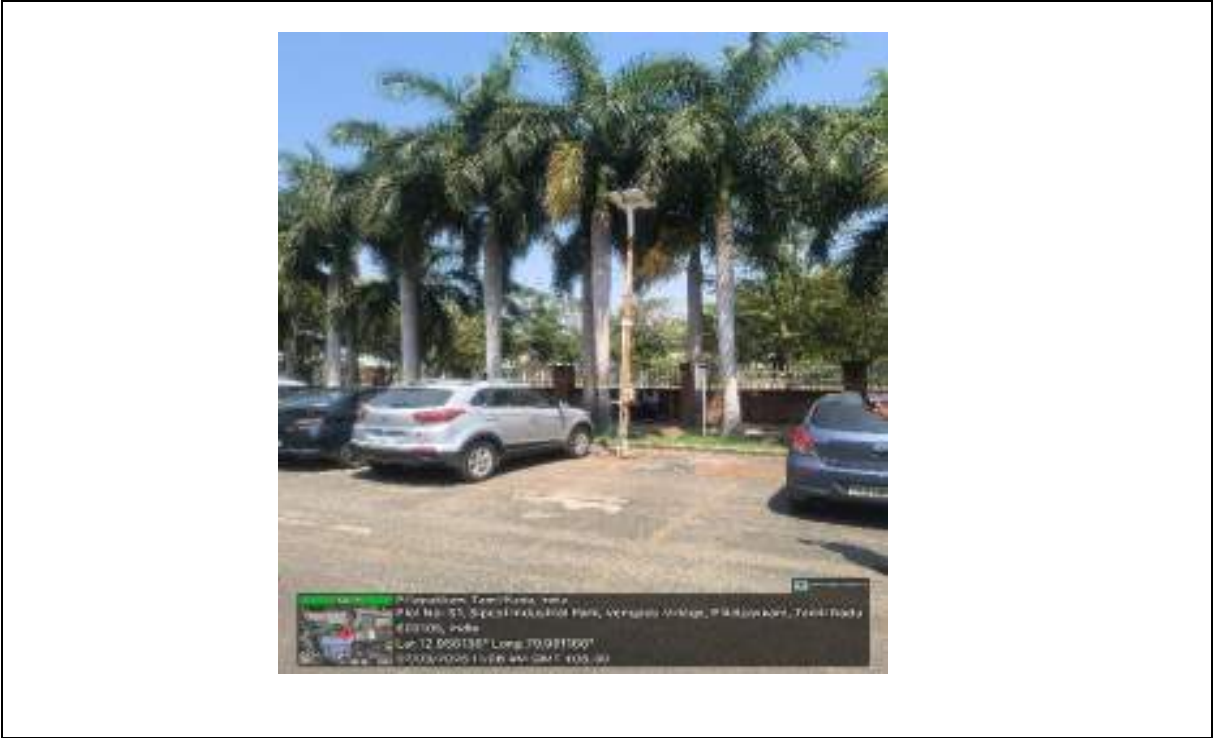
Photographs of Solar energy utilization by member units

Industry name: BOSCH	
	
Industry name: KONE	
	

Industry name: Mando



Industry name: Minda



Photographs of member units DG set

BOSCH



GESTAMP



HI Lex



KONE



YOROZU



Mando



Minda

