



EC/Thervoykandigai/HYC/June/2026

Date: 26.05.2026

To,
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.

Sir/Madam,

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

Ref: EC Obtained Vide File No 21-41/2009-IA.III. Dated: 09.08.2010

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Thervoy Kandigai, Thiruvallur 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,
Central Pollution Control Board,
Regional Directorate - Chennai,
2nd Floor, 40-E, BSNL Building,
TVK Industrial Estate, CIPET Road, Guindy,
Chennai - 600 032.
2. The Chairman,
Tamil Nadu Pollution Control Board,
No-76, Mount 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 Project Officer
SIPCOT Industrial Park,
Thervoy Kandigal.

/Forwarded by Order/


CONSULTANT (ENVIRONMENT)

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

HALF YEARLY ENVIRONMENTAL COMPLIANCE REPORT

For the period of October 2025 –March 2026

For

**“Development of Industrial Park at Thervoy Kandigai,
Thiruvallur District, Tamil Nadu”**

EC OBTAINED Vide Letter No 21-41/2009-IA.III. Dated: 09.08.2010

Submitted by



M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED

19/A, Rukmani Lakshmipathy Road,

Egmore, Chennai-600008.

May 2026

TABLE OF CONTENTS

S. No	List of Contents		Page No
1.	Project details		1
2.	Location map		2
3.	Site photograph		3
4.	Six monthly environmental clearance statement		6
5.	Environmental Monitoring Details		14
	5.1	Ambient air quality monitoring	14
	5.2	Ambient noise level monitoring	14
	5.3	Soil Quality monitoring	14
	5.4	Ground water quality monitoring	14
	5.5	Surface water quality monitoring	14
6.	Conclusion		15

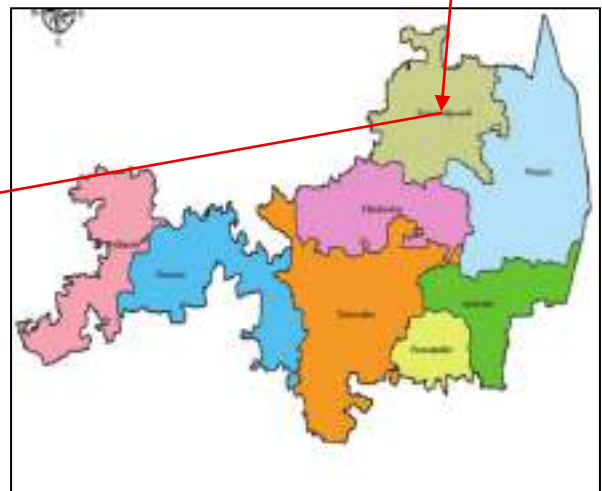
LIST OF ANNEXURES

S. No	List of Contents
Annexure 1	Copy of Environmental Clearance
Annexure 2	CMWSSB Approval letter
Annexure 3	Consent to Establishment copy
Annexure 4	Environmental Monitoring Reports
Annexure 5	Environmental Monitoring Photographs
Annexure 6	Screenshot of EC copy uploaded in SIPCOT website
Annexure 7	Screenshot of Six-monthly Compliance uploaded in SIPCOT website
Annexure 8	Proof for submission of Half yearly compliance to Competent Authorities
Annexure 9	Proof for submission of Form V to TNPCB
Annexure 10	Newspaper Advertisement Copy
Annexure 11	STP and ETP photographs of member industries
Annexure 12	Photographs of Solid Waste Management area
Annexure 13	Photos of DG set of member industries
Annexure 14	Green belt Photographs
Annexure 15	Photographs of rainwater harvesting system, storm drains and weep hole
Annexure 16	Photographs of parking area
Annexure 17	Photographs of LED lights
Annexure 18	Photographs of Solar Energy Utilization
Annexure 19	Photographs of Firefighting systems
Annexure 20	Photographs of common facilities

1. PROJECT DETAILS

Name of the Project	SIPCOT Industrial Park at Thervoy Kandigai
Name of the Proponent	M/s. State Industries Promotion Corporation of Tamil Nadu Ltd.
Location	Thervoy Kandigai village, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu.
EC. No.	No. 21-41/2009-IA.III (Enclosed as Annexure 1)
Area Details	456.27 Hectares
Water Requirement	4.5 MLD Source: CMWSSB (Enclosed as Annexure 2)
Project Cost	Rs.240 Crore

2. LOCATION MAP



3. SITE PHOTOGRAPHS





Industries Photographs



4. SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

PART A- SPECIFIC CONDITIONS

I. Construction Phase

Construction Phase	Not applicable since construction was completed
--------------------	---

Consent to Establishment (CTE) 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 installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Tamil Nadu State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	Condition is being complied. SIPCOT has not proposed any STP within the industrial park. Accordingly, individual industries have established their own STPs and are reusing treated water for their processes and utilities in compliance with applicable norms. STP Photographs of the member industries is enclosed as Annexure – 11.
ii.	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Condition is being complied. Solid waste generation is being collected and segregated as Wet and dry waste within the premises. Further, individual industries have their own solid waste management area within their own premises. Photographs of the Solid Waste Management is enclosed as Annexure - 12.

iii.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low Sulphur diesel. The location of the DG sets may be decided with in consultation with Tamil Nadu State Pollution Control Board.	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. Individual Industries DG set photographs are enclosed as Annexure -13.
iv.	Noise should be controlled to ensure that it does not exceed prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Condition is being complied. Noise levels are being monitored periodically. The ambient noise level monitoring reports is enclosed as Annexure-4. Individual industries are responsible for ensuring that noise generated from their operations remains within the prescribed standards. Each industry obtains Consent to Establish and Consent to Operate from the TNPCB, which includes specific conditions related to noise control. TNPCB also conducts regular inspections and monitoring to ensure compliance.
v.	The green belt of the adequate width and density preferably with local species along the periphery of the complex shall be raised so as to provide protection against particulates and noise.	Condition complied. The greenbelt along the periphery of the Industrial Park has been developed with the local species. Photograph of the greenbelt developed by SIPCOT and member units is enclosed as Annexure - 14.

vi.	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	Condition complied. Weep holes are provided for natural drainage of rain water in the catchment area during the monsoon period and photographs of rainwater harvesting structures and weep holes are enclosed as Annexure - 15.
vii.	Rain water harvesting for roof, surface run- off, as proposed should be implemented. Before recharging the surface run off, pre- treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.	Condition is being complied. Photographs of Rainwater harvesting structures such as RWH pit and storm water drains of SIPCOT project office and Rainwater harvesting systems in the premises of Individual industries are enclosed as Annexure-15.
viii.	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Condition is being complied. The ground water quality is being monitored periodically. The ground water quality monitoring report is enclosed as Annexure-4.
ix.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking loading and unloading facility should be fully internalized and no public space should be utilized.	Condition complied. Entry and exit points have been provided and the roads inside the project area well build to avoid any kind of traffic congestion. Parking loading and unloading facilities are fully internalized. No public space is utilized. Photographs of Parking facility provided by SIPCOT and individual industries are enclosed as Annexure - 16.

x.	Energy conservation measures like installation of CFLs/TFLs for the lighting the common areas should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	Condition is being complied. SIPCOT has installed energy-efficient LED lights in all common areas within the industrial park as part of its sustainable infrastructure initiative. It will be ensured that any lighting waste generated is handled and disposed of in accordance with the prevailing regulatory guidelines. Further, the use of renewable energy sources such as solar power will be explored and implemented to the extent possible. Photographs of LED street lights are enclosed as Annexure - 17. Photographs of solar energy utilization are enclosed as Annexure-18
xi.	Efforts may be made to use solar energy to the maximum extent possible.	Condition is being complied. The use of solar energy sources will be explored and implemented to the extent possible. The photographs of solar energy utilization by individual industries are enclosed as Annexure – 18.
xii.	Adequate measures should be taken to prevent odour problem from Solid waste processing plant and STP.	Condition is being complied. SIPCOT has allocated the Solid Waste Management (SWM) area at a corner plot of the industrial park, to minimize any potential odour impact on surrounding areas. SIPCOT have not proposed any STP. However, the individual industries operate their STPs in accordance with TNPCB norms, ensuring proper treatment and management to prevent odour issues. Photographs of solid waste management are enclosed as Annexure – 12.

Part – B. General Conditions

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	Condition noted.
2.	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) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Condition is being complied. Proof of submission of six-monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data to Competent Authorities is enclosed as Annexure -8.
3.	Officials from the Regional Office of MoEF, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the projects, proponents during their inspection. A complete set of all the documents, submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bangalore.	Condition noted.
4.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Condition noted.
5.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory.	Condition noted.

6.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Condition noted.
7.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Condition is being complied.
8.	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Tamil Nadu Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the regional office of this Ministry at Bangalore.	Condition complied. We, SIPCOT have advertised in two local newspapers in Tamil and English that we have obtained Environmental clearance from SEIAA /TN along with the details of SEIAA website where it is displayed. Newspaper advertisement copy is enclosed as Annexure – 10
9.	Environmental clearance is subject to final order 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.	Condition Noted.

10.	Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	Condition noted. No appeal lies against this environmental clearance, till date.
11.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation; Urban Local Body 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. A copy of the Environmental clearance letter has been submitted to the local Panchayat, Zilla Parisad/Municipal Corporation by the SIPCOT and Environmental clearance letter has been uploaded in SIPCOT website. Same is enclosed as Annexure -6.
12.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, 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 company in the public domain.	Condition is being complied. Screenshot of compliance including results of monitored data uploaded in website is enclosed as Annexure- 7. Proof of submission of six-monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data to competent authorities is enclosed as Annexure – 8.

13.	The environmental statement for each financial year ending 31st March in Form- V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Condition is being complied. Environmental statement for each financial year ending 31st March in Form-V is submitted to TNPCB and copy of same is submitted to MoEF Regional Offices along with Six monthly compliance is enclosed as Annexure -9 & Annexure -8 respectively.
-----	---	--

5. ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit six-month compliance report of EC conditions to MoEF & CC Regional Office by the project proponent. For submitting Six-Monthly Compliance report, the environmental monitoring was carried out 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 due to movement of vehicles, operation of DG sets etc., the ambient air quality parameters such as suspended Particulate matter (PM₁₀), Respirable Particulate matter (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 level monitoring reports recorded during the period of October 2025 to March 2026 is enclosed in **Annexure -4**.

5.3 Soil quality monitoring

The 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 bore well water collected and analyzed is enclosed as **Annexure-4**.

5.5 Surface water quality monitoring

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

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

6.0 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 Compiled/ being complied/ will be complied.

No. 21-41/2009-IA.III
Government of India
Ministry of Environment & Forests

17 Aug 2010
Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi-110 003.

Dated: 9th August, 2010.

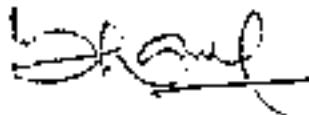
To,
The Chairman & Managing Director,
M/s. State Industries Promotion Corporation of Tamil Nadu,
(A Government of Tamil Nadu Undertaking)
19-A Rukmani Lakshminipathy Road,
Egmore, Chennai - 600 008.

Subject: Environmental Clearance for the development of
Industrial Park at SIPCOT, Thervoy Kandigal, Thiruvallur
District, Tamil Nadu by M/s. State Industries Promotions
Corporation of Tamil Nadu Ltd.(SIPCOT) - Reg.

Dear Sir,

This has reference to your application No. P& SP/SIP-TK/2009 dated 6.10.2010 and subsequent letter dated 04.05.2010 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 20th November, 2009 and 28th - 29th June, 2010.

2. It is, interalia, noted that the project involves the development of a Industrial Park on a plot area of 456.27 ha at Latitude 13° 21'33"N to 13° 22'30"N and Longitude 79° 58'41" E to 79° 59'49"E. The developed plots will be allotted to set up industries like Synthetic rubber (tubes / tyres, industrial products), Engineering fabrication / manufacturing units and Glass industries, etc. The total area under industrial plots will be 369.83 ha (81.05%). The total water requirement proposed is 4.5 MLD, which will be met by Chennai Metropolitan Water Supply and Sewage Board (Metro water) through the desalination plant. No industry will be permitted to discharge waste water and solid waste from outside the Industrial park. The Hazardous wastes will be disposed at Common Hazardous Wastes Management facility at Gummidipponda. A 40 m wide green belt is proposed around the boundary of industrial park and both sides of major roads. The total cost of the project is 240 crores.



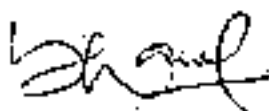
The TOR for the project was issued on 14.12.2009 and the public hearing was conducted on 30.04.2010.

3. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of Environmental Clearance for the project. Accordingly, the Ministry hereby accord necessary Environmental Clearance for the above project as per the provisions of Environmental Impact Assessment Notification - 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

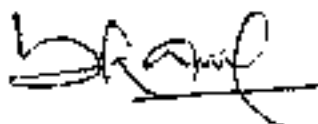
PART A - SPECIFIC CONDITIONS

I. Construction Phase

- (i) "Consent for Establishment" shall be obtained from Tamil Nadu State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
- (ii) Possibility shall be explored for providing a Common Sewage treatment Plant of modular form instead of individual STPs.
- (iii) Sewage conveyance shall be through the closed pipeline.
- (iv) Ensure zero discharge by the member industries.
- (v) Transportation and disposal of Hazardous Wastes shall be as per Rules.
- (vi) All the assurance made during Public hearing especially providing grassland for cattle shall be complied.
- (vii) The storm water drainage shall be worked out after analyzing the contour levels of the site and the surrounding area and the capacity of storm water drainage.
- (viii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (ix) A First Aid Room will be provided in the project both during construction/development of the project.



- (x) All the topsoil excavated during the development activities should be stored for use in horticulture/landscape development within the project site.
- (xi) Disposal of muck during the development phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (xii) Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
- (xiii) The diesel generator sets if used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- (xiv) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- (xv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xvi) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ TNSPCB.
- (xvii) 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).
- (xviii) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xix) Water demand during construction phase should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.



- (xx) Permission to draw ground water shall be obtained from the competent Authority prior to development of the project.
- (xxi) Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
- (xxii) The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
- (xxiii) Regular supervision of the above and other measures for monitoring should be in place all through the development phase, so as to avoid disturbance to the surroundings.
- (xxiv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

II. Operation Phase

- i) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralised treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Tamil Nadu State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.
- ii) The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- iii) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Tamil Nadu State Pollution Control Board.
- iv) Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured

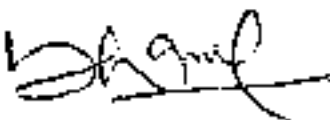
Thamil

at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

- v) The green belt of the adequate width and density preferably with local species along the periphery of the complex shall be raised so as to provide protection against particulates and noise.
- vi) Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- vii) Rain water harvesting for roof surface run-off, as proposed should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
- viii) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- ix) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking loading and unloading facility should be fully internalized and no public space should be utilized.
- x) Energy conservation measures like installation of CFLs/TFLs for the lighting the common areas should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
- xi) Efforts may be made to use solar energy to the maximum extent possible.
- xii) Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.

PART - B. GENERAL CONDITIONS

- i) The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.
- ii) 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).



to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

4. Officials from the Regional Office of MOEF, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the OCF, Regional office of MOEF, Bangalore.

5. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

6. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

8. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

9. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Tamil Nadu Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.epyfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore.

10. Environmental clearance is subject to final order 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.

11. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of



30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.

12. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parish/Municipal Corporation, Urban Local Body 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.

13. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. 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 company in the public domain.

14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.


(Bharat Bhushan)
Director (IA)
09.08.2010

Copy to:

- (1) The Secretary, Department of Environment, Government of Tamil Nadu, Chief Secretariate, Chennai.
- (2) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110 032.
- (3) The Chairman, Tamil Nadu State Control Board, Chennai.
- (4) The CCF, Regional Office, Ministry of Environment & Forests(S2), Kendriya Sadan, IVth floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore - 560 034.
- (5) IA - Division, Monitoring Cell, MOEF, New Delhi - 110003.
- (6) Guard file.

/

(Bharat Bhushan)
Director (IA)

24
72

**MINUTES OF THE 316th MEETING OF BOARD OF DIRECTORS OF
C.M.W.S.S. BOARD HELD AT 3.00 p.m. ON 09-09-2010.**

AGENDA ITEM NO.16

RES.NO.168/2010

Engineering - O&M - T&T - RO II - Development of infrastructure facilities at Thervaikandigai Village, Gummidipoondi Taluk - Providing water supply from Redhills Estimate revised - Subject placed before the Board for approval.

The Board took note of the details putforth in the agenda and the recommendations of the Management Committee and after detailed discussion the Board resolved to accord approval on the following:

- (i) to take up the work of laying pipeline and constructing booster stations for supplying 14 MLD of water to SIPCOT Industrial Park, Thervaikandigai at a tentative cost of Rs.48.80 crores and an annual Operation & Maintenance Cost of Rs.0.70 crore. The expenditure towards this work to be borne by the SIPCOT.
- (ii) to supply 14 MLD of water to the SIPCOT Industrial Park, Thervaikandigai from the Redhills Water Treatment Plant.
and
- (iii) to collect charges towards supply of water at Rs.80/- per KL with 5% increase every year.

K. ASHOK VARDHAN SHETTY, 14.09.2010
CHAIRMAN.

/s.c.f.b.o./

[Signature]
14-09-10
SECRETARY.

[Signature]
14/09/10



CE/R.O.

to file + put up a
draft to SIPCOT intimating
the revised cost.

[Signature]
20/9/10
SECRETARY

By Registered Post with Acknowledgment Due
(This document contains 11 Pages)

128 APR 2011



TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER No:5541 Dated:21.04.2011.

PROCEEDINGS NO. T2/TNPCB/F-30016/W/RL/TLR/2011 Dated:21.04.2011.

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 -THERVOY KANDIGAI,(Extent of 456.27 ha and in which total area under industrial plots of 369.83 ha(81.05%) bearing S.Nos 32/2 and 33/2 of Thervoykandigai mentioned in the Consent Applications), Thervoy Kandigai Village, Gummidipoondi Taluk,Tiruvallur 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. MoEF, GoI, EC No: 21-41/2009-IA III. Dated 09.08.2010.
2. Your application for consent Dated 24.09.2010.,
3. Hon'ble High Court order in W.P.No.9319 of 2009 and Contempt Petition No.802 of 2009, passed on 16.09.2009.
4. Hon'ble Supreme Court order in SLP(Civil)Nos.1366 & 1367 OF 2010, passed on 08.03.2010.
5. Sub Committee -TSC II ITEM NO. 60- 11, Dated.08.04.2011.

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 Occupier,

M/s SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI,

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

(Extent of 456.27 ha and in which total area under industrial plots of 369.83 ha(81.05%) bearing S.Nos.32/2 and 33/2 of Thervoykandigai mentioned in the Consent Applications),

THERVOY KANDIGAI VILLAGE,GUMMIDIPOONDI TALUK,
TIRUVALLUR DISTRICT

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



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
Member Secretary
Tamilnadu Pollution Control Board
Chennai

To

The Occupier,
M/s. SIPCOT INDUSTRIAL PARK - THERVOY KANDIGAI,
(Extent of 456.27 ha and in which total area under
industrial plots of 369.83 ha (81.05%)
bearing S.Nos. 32/2 and 33/2 of Thervoykandigai
mentioned in the Consent Applications),
THERVOY KANDIGAI VILLAGE,
GUMMIDIPOONDI TALUK, — 601 202
TIRUVALLUR DISTRICT.

Copy to:

1. The District Environmental Engineer,
Tamilnadu Pollution Control Board,
Thiruvallur - for information and necessary action.
2. The Commissioner
Thervoy Kandigai Village Panchayat,
Thervoy Kandigai.
3. BMS
4. Technical Section

//Forwarded by order//

For Member Secretary.
28/11

VF 28411



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1. DETAILS OF THE PRODUCTS MANUFACTURED

Sl.No.	Description	Quantity/ Month
--------	-------------	-----------------

The applicant activity is an Industrial Park to set up industries like Synthetic Rubber(tubes/tyres, industrial products), Engineering Fabrication/ manufacturing units and Glass industries, etc., and undertaking development, maintenance of the common infrastructure such as roads,water supply,sewage treatment plant,storm water drainage system and sewerage system.

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 Effluent 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, as indicated in the Annexure - 1.
3. The unit shall install sewage treatment system for the treatment of wastewater arising out of the sanitary facility and waste water generated from canteen as proposed in Annexure - 1.
4. The unit shall construct effluent drains/cable drains/storm waster 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.



TAMILNADU POLLUTION CONTROL BOARD

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.
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 adequate height 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.
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 Annexure
 - (ii)
 - (iii)
18. The applicant unit an Industrial Park, M/s. Sipcot Industrial Park -Thervoy Kandigai, (Extent of 456.27 ha and in which total area under industrial plots of 369.83 ha(81.05%) bearing S.Nos.32/2 and 33/2 of Thervoykandigai mentioned in the Consent Applications), Thervoy Kandigai Village, Gummidipoondi Taluk, Tiruvallur



TAMILNADU POLLUTION CONTROL BOARD

District, is legally responsible under the provisions of enacted environmental Acts for the setting up of industries like Synthetic Rubber(tubes/tyres, industrial products), Engineering Fabrication/ manufacturing units and Glass industries, etc., and undertaking development, maintenance of the common infrastructure such as roads, water supply, sewage treatment plant, storm water drainage system and sewerage system.

19. The unit shall ensure that no industrial activities specified in G.O.Ms.No.213, Environment & Forests Department, Dated:30.03.1989 and G.O.Ms.No.127, Environment & Forests Department, Dated:08.05.1998 should be established in the Industrial Park premises.
20. The unit shall ensure that treated/untreated sewage/industrial trade effluents shall not gain access to the water bodies located around the premises and also shall not be discharged either inside or outside the premises.
21. The unit has to ensure that development, maintenance of the common infrastructure such as roads, water supply, sewage treatment plant, storm water drainage system, sewerage system, parking facility and solid waste management system to be undertaken shall not cause any environmental degradation to the land, water sources and air as a whole.
22. No industry in the applicant Industrial Park shall be permitted to carry out establishment works without obtaining CTE of the TNPC Board.
23. The applicant unit shall furnish appropriate land use reclassification certificate obtained from the competent authority before applying CTO.
24. The quantity of domestic waste water (sewage effluent) discharge shall not exceed 0.50 cu.m./day. Sewage shall be disposed as committed after adequate treatment and confirm to the following standards.

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

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



TAMILNADU POLLUTION CONTROL BOARD

26. No member industry will be permitted to discharge wastewater and Solid waste from outside the Industrial Park and shall ensure zero discharge by the member industries.
27. 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.
28. The applicant unit and its member industries shall obtain ISO 14000 certification for its environmental compliance.
29. 25% of the land area acquired by the applicant unit including all beneficiary units shall be developed as a green belt with trees having a thick canopy cover. The applicant unit shall also maintain the trees planted outside the premises. The species of trees should be chosen in consultation with the local DFO and seedlings should be at least 2 mt. tall. If no space is available within the premises, trees shall be planted outside the premises. The unit shall adopt drip irrigation system for green belt development.
30. 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.
31. 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.
32. 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.
33. The premises of the Industrial Park shall 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



32

TAMILNADU POLLUTION CONTROL BOARD

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.

34. The applicant unit and all its beneficiary activities units should not be commenced without obtaining consent to operate from the Tamilnadu Pollution Control Board.
35. 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.
36. 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.
37. The applicant unit an Industrial Park, M/s SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, shall ensure that its activities 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.
38. 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.
39. The project authorities, as part of their environmental management, shall prepare and implement a scheme for protection of the flora and fauna.
40. 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.
41. The project shall resort to solar energy to the extent possible and particularly in the supply of hot water and street lighting.
42. 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.
43. If it is established by any competent authority that the damage is caused due to their activities to any person or his property in that case they are obliged to pay the compensation as determined by the competent authority.
44. The applicant unit shall have to register the Industrial Park under the provisions of the Factories Act 1948 and shall obtain the necessary Factory License.
45. The Environmental Management Unit / Cell shall be setup to ensure implementation and monitoring of Environmental safe guards and other conditions stipulated by



TAMILNADU POLLUTION CONTROL BOARD

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.

46. 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.
47. 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 satisfying with the TNPC Board Norms prescribed. The unit shall not keep any bypass line or system or loose or flexible pipe for discharging effluent outside or even for transporting treated or un-treated effluent within the premises, within effluent treatment plants or in the compound of the park premises.
48. The printed log books shall be maintained and get it certificate for a). Energy / Fuel consumption b). Wastewater / 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.
49. The ground water quality around the Industrial Park shall be monitored on a regular basis. The monitored data should be submitted to the TNPC Board once in six months.
50. Periodical medical check up of the workers should be done and records maintained as a measure to provide occupational health service to the workers.
51. The facilities to be constructed for the project shall not cause any inconvenience or disturbance to the local communities including the farmers.
52. The applicant unit, an Industrial Park, M/s.SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, shall ensure that the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
53. The applicant unit, an Industrial Park, M/s.SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, 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.
54. The applicant unit, an Industrial Park, M/s.SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, 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



TAMILNADU POLLUTION CONTROL BOARD

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.)

55. The applicant unit, an Industrial Park, M/s.SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, shall ensure that the approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
56. The applicant unit, an Industrial Park, M/s.SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, shall comply with the specific conditions imposed under heads in the Environmental Clearance issued by Ministry of Environment and Forests, Government of India, in EC.No: 21-41/2009-IA.III, Dated:09.08.2010, viz., (Part-A) I. Construction Phase, II. Operation Phase and Part-B. General Conditions scrupulously.
57. The applicant unit, an Industrial Park, M/s.SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, shall ensure that there shall be no discharge of effluents on land or any water resources and if the applicant unit / member units fails to achieve the same for any reason, all it's beneficiary units shall stop their production and operations in the process house forthwith and restart the same after ensuring that the discharge of effluents on land or any water resources is restrained.
58. The applicant unit, an Industrial Park, M/s.SIPCOT INDUSTRIAL PARK -THERVOY KANDIGAI, shall ensure that all the member/beneficiary units have to apply for consent to establish under the Water & Air Acts and no establishment activities shall be carried out by the member/beneficiary units without obtaining the consent to establish under the Water & Air Acts.
59. The unit shall dispose the E-waste from the Industrial Park as well as in their registered offices through the Authorised E-waste recyclers notified in TNPC Board web site.

Sd/- xxx
MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

//Forwarded by order//

[Signature]
For Member Secretary.

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS.

1. The above Consent to establish cannot be construed as Consent to operate.
2. The industry shall make a request for grant of consent to operate atleast sixty days before the commissioning of trial production.
3. The applicant shall maintain good house-keeping both within the factory and in the premises. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way to storm water drains or open areas.
4. The unit has to provide sludge and silt traps and manholes along the effluent drains for periodical desilting and desludging operation.
5. All places of storage of solid/liquid material are to be dyked with bunding facilities and the flooring within the dyked and bunding area shall be lined and 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 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. This 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.



197
36

TAMILNADU POLLUTION CONTROL BOARD

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.
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
MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI.

//Forwarded by order//

For Member Secretary.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 ULR No. TC151312600000440F Report Date 07.02.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Thervoykandigai	
Sample Drawn by	: LES	
Date of Monitoring	: 29.01.2026 & 30.01.2026	Sampling Method : LES/EN/GEN/SOP/002
Location :Project Area		Temperature :31.0°C
Sample Code	: LES2602555	Humidity :70%
Sample Received On	:31.01.2026	Report Number :LES0440
Test Commenced On	:31.01.2026	Test Completed On :07.02.2026

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	27.5	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	83.4	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	9.3	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	11.9	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



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 started. 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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 ULR No. TC1513126000000441F Report Date 07.02.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Thervoykandigai	
Sample Drawn by	: LES	
Date of Monitoring	: 29.01.2026 & 30.01.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	:Thervoykandigai	Temperature :34.0°C
Sample Code	: LES2602556	Humidity :65%
Sample Received On	:31.01.2026	Report Number :LES0441
Test Commenced On	:31.01.2026	Test Completed On :07.02.2026

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	25.5	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	85.4	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	9.4	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	13.4	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



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 started. 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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. **519/25-26** ULR No. **TC151312600000442F** Report Date **07.02.2026**

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Thervoykandigai	
Sample Drawn by	: LES	
Date of Monitoring	: 29.01.2026 & 30.01.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Karadipudur	Temperature : 34.0°C
Sample Code	: LES2602557	Humidity : 68%
Sample Received On	: 31.01.2026	Report Number : LES0442
Test Commenced On	: 31.01.2026	Test Completed On : 07.02.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m³	25.9	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m³	86.4	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m³	8.9	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NO _x	IS:5182 (Part-6)2006	µg/m³	13.4	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m³	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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 ULR No. TC151312600000443F Report Date 07.02.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Thervoykandigal	
Sample Drawn by	: LES	
Date of Monitoring	: 29.01.2026 & 30.01.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Nelvoy	Temperature :33.0°C
Sample Code	: LES2602558	Humidity :70%
Sample Received On	:31.01.2026	Report Number :LES0443
Test Commenced On	:31.01.2026	Test Completed On :07.02.2026

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	88.6	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	9.8	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	12.6	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/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



Authorized Signatory

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

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 ULR No. TC151312600000444F Report Date 07.02.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Thervoykandigai	
Sample Drawn by	: LES	
Date of Monitoring	: 29.01.2026 & 30.01.2026	Sampling Method : LES/EN/GEN/SOP/002
Location :Kannan Kottai		Temperature :32.0°C
Sample Code	: LES2602559	Humidity :70%
Sample Received On	:31.01.2026	Report Number :LES0444
Test Commenced On	:31.01.2026	Test Completed On :07.02.2026

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	28.3	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	89.9	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	8.7	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	12.3	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/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



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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 ULR No. TC151312600000445F Report Date 07.02.2026

Sample Description : Ambient Noise Levels
Customer Name : M/s.SIPCOT Limited,
Customer Address : Thervoykandigai
Sample Drawn by : LES
Date of Monitoring : 30.01.2026
Sample Code : LES2602560
Test Commenced On : 31.01.2026
Report Number : LES0445

Sampling Method : LES/EN/GEN/SOP/006
Test Method : IS: 9989-1981
Sample Received On : 31.01.2026
Test Completed On : 07.02.2026

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	49.9	68.0	62.1	49.6	63.9	58.6
2.	Thervoykandigai	44.0	53.7	49.5	36.3	43.3	40.3
3.	Karadipudur	42.1	51.6	47.6	49.1	60.8	56.4
4.	Nelvoy	44.3	51.1	48.6	35.6	41.9	39.5
5.	Kannankottai	44.8	49.6	47.5	37.2	40.9	39.3
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.

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



End of Report
1 of 1

Authorized Signatory

U.ANBARASAN
Quality Manager

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

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. 519/25-26 Report No. TC1513126000000446F Report Date 07.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602561	Sample Condition : Clear Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Project Area	Report Number: LES0446

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	5	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	271	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	8.03	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	6.63	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	4.2	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	32.73	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



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. 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 its referred customers.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenenviro.in / info@lotusenenviro.in
www.lotusenenviro.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. 519/25-26 Report No. TC1513126000000446F Report Date 07.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	47.3	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	83	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	184.02	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	109.08	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	31.98	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	3.52	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	1.5	---	---
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	184.02	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	424	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	38.0	---	---
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	0.38	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.6	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

U. ANBARASAN
Quality Manager

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

End of Report
2 of 2

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. 26000000446 Report Date 07.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602561	Sample Condition : Clear Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Project Area	

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

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. TC1513126000000447F Report Date 07.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LE5/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LE52602562	Sample Condition : Clear Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Karadiputhur	Report Number: LE50447

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	5	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	341	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	6.59	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	6.6	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	34.38	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

1 of 2

Note: Any unauthorized alteration, forgery or falsification of the content or signature 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 its referred customers.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 Report No. TC1513126000000447F Report Date 07.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	62.09	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	104	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	231.8	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	113.12	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	49.45	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	6.33	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	2.38	---	---
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	231.8	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	533	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	47.04	---	---
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	0.54	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.9	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
2 of 2

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. 519/25-26 Report No. 26000000447 Report Date 07.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602562	Sample Condition : Clear Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Karadiputhur	

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

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. TC151312600000448F Report Date 07.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602563	Sample Condition : Clear Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Thervoykandigai	Report Number: LES0448

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	5	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	225	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	6.58	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	6.6	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	4.6	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	34.38	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

1 of 2

Note: Any unauthorized alteration, forgery or falsification of the content or signature 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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 Report No. TC151312600000448F Report Date 07.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	59.13	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	62	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	138.27	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	113.12	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	33.75	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	3.51	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	0.51	---	---
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	138.27	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	351	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	38.46	---	---
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	0.37	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	7.1	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
2 of 2

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 started. 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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 Report No. 26000000448 Report Date 07.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602563	Sample Condition : Clear Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Thervoykandigai	

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

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 ULR No. TC151312600000449F Report Date 07.02.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602564	Sample Condition : Slightly Turbid Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Kannankottai Reservoir	Report Number: LES0449

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	272.64
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.89
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	12.45
7.	Nitrate as NO ₃	APHA 24th Edition 2023 4500 NO ₃ -B	mg/L	5.45
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	34.84
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	51.25
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)

1 of 2



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 results 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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. 519/25-26 ULR No. TC1513126000000449F Report Date 07.02.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	32.72
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	50.89
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	113.12
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	70.89
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	7.09
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	426
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	0.61
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.4

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



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

End of Report
2 of 2

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. 26000000449 Report Date 07.02.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602564	Sample Condition : Slightly Turbid Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Kannankottai Reservoir	

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	-1.74
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	51.14
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	50.89

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 ULR No. TC1513126000000450F Report Date 07.02.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602565	Sample Condition : Slightly Turbid Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Lake Near Thervoykandigai	Report Number: LES0450

S.No	Description	Method of Reference	Units	Results
1.	Color	IS:3025 (Part-4)2021	Hazen	10
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	181.76
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	8.35
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	11.49
7.	Nitrate as NO ₃	APHA 24th Edition 2023 4500 NO ₃ -B	mg/L	1.82
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	15.84
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	47.3
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)



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 its referred customers.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. 519/25-26 ULR No. TC1513126000000450F Report Date 07.02.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	18.18
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	76.34
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	56.56
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	50.89
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	5.09
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	284
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	1.39
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.8

Verified by



For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Authorized Signatory

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

End of Report
2 of 2

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. 26000000450 Report Date 07.02.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602565	Sample Condition : Slightly Turbid Liquid
Sampling Date : 30.01.2026	Sample Received On: 31.01.2026
Test Commenced On: 31.01.2026	Test Completed On: 07.02.2026
Sampling Location : Lake Near Thervoykandigai	

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	-0.21
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	54.25
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	76.34

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 ULR No. TC151312600000451F Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602566	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Project Area	Report Number: LES0451

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26):1987	---	6.75
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	177.8
3.	Total Sand	AES/EN/SLS/SOP/017	%	53
4.	Silt	AES/EN/SLS/SOP/017	%	14
5.	Clay	AES/EN/SLS/SOP/017	%	29
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.56
7.	Moisture	IS 2720 (Part - 2):1973	%	4.71
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	180
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	12.09
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	75
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	14.4
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	3.6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.8
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	14.2
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	29.2
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	26
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.35
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	25
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	8.5
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	5.6

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. 26000000451 Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602566	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
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	2.3
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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. 519/25-26 ULR No. TC151312600000452F Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602567	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Thervoykandigai	Report Number: LES0452

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.21
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	558
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	---	1.58
7.	Moisture	IS 2720 (Part - 2)1973	%	5.61
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	160
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.32
10.	Total Organic matter	IS:2720 (Part -22)1972	%	0.55
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	48.55
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	70
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	29
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	7.2
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.2
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	13.8
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	13.3
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	12
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	8.8
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	4.1
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	7.5

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgopr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No.	519/25-26	Report No.	26000000452	Report Date	07.02.2026
---------	-----------	------------	-------------	-------------	------------

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602567	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Thervoykandigai	

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	2.4
3.	Colour	LES/EN/SLS/SOP/032	---	Light Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. 519/25-26 ULR No. TC1513126000000453F Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602568	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Karadipudur	Report Number: LES0453

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.44
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	498
3.	Total Sand	AES/EN/SLS/SOP/017	%	54
4.	Silt	AES/EN/SLS/SOP/017	%	15
5.	Clay	AES/EN/SLS/SOP/017	%	25
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.55
7.	Moisture	IS 2720 (Part - 2)1973	%	5.89
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	120
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	30.88
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	74
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	27.6
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6.9
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.6
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	14.5
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	12
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	10
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.38
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	14.4
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	7.2
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	5.7

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. 26000000453 Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LE52602568	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Karadipudur	

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	2.3
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED


Verified by




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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. 519/25-26 ULR No. TC151312600000454F Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigal	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602569	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Nelvoy	Report Number: LES0454

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.68
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	750.5
3.	Total Sand	AES/EN/SLS/SOP/017	%	57
4.	Silt	AES/EN/SLS/SOP/017	%	13
5.	Clay	AES/EN/SLS/SOP/017	%	26
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.56
7.	Moisture	IS 2720 (Part - 2)1973	%	6.46
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	140
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	57.79
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	72
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	34.4
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	8.6
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	10.9
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	15
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	7.7
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	7.4
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	8.5

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 related customers.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. 26000000454 Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602569	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Nelvay	

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	2.5
3.	Colour	LES/EN/SLS/SOP/032	---	Light Brownish

Verified by



For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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 started. 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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@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. 519/25-26 ULR No. TC151312600000455F Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigal	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602570	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Kannan Kottai	Report Number: LES0455

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.85
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	545
3.	Total Sand	AES/EN/SLS/SOP/017	%	54
4.	Silt	AES/EN/SLS/SOP/017	%	11
5.	Clay	AES/EN/SLS/SOP/017	%	29
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.58
7.	Moisture	IS 2720 (Part - 2)1973	%	2.23
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	220
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.31
10.	Total Organic matter	IS:2720 (Part -22)1972	%	0.53
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	43.05
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	69
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	29.6
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	7.4
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	4.7
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	13.9
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	18
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	31
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	9.5
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	7.1

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.



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
Teachers Colony, Kolathur, Chennai 600 099.
E-mail: mgropr@lotusenviro.in / info@lotusenviro.in
www.lotusenviro.in ☎ +91 44 43539680

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

TEST REPORT

Job No. 519/25-26 Report No. 26000000455 Report Date 07.02.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Thervoykandigai	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602570	Sample Condition : Fit for analysis
Sampling Date : 30.01.2026	Sample Received On:31.01.2026
Test Commenced On:31.01.2026	Test Completed On:07.02.2026
Sampling Location : Kannan Kottai	

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	2.6
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



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.

Annexure -5

SIPCOT –THERVOYKANDIGAI ENVIRONMENTAL MONITORING PHOTOGRAPHS

AMBIENT AIR QUALITY MONITORING PHOTOGRAPHS:

Project Site



Karadipudur



Kannankottai



Thervoykandigai



Nelvoy



NOISE SAMPLING PHOTOGRAPH

Project site	Karadipudur
	
Kannankottai	Thervoykandigai
	
Nelvoy	
	

SOIL SAMPLING PHOTOGRAPH

Project site	Karadipudur
	
Kannankottai	Thervoykandigai
	
Nelvoy	
	

GROUND WATER SAMPLING PHOTOGRAPHS

Project site	Karadipudur
	
Thervoykandigai	
	

SURFACE WATER SAMPLING PHOTOGRAPHS

Lake near Thervoykandigai



Kannankottai Reservoir



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

All Bookmarks

Orugadam Kancheepuram	Vengalpet Industrial Kancheepuram
Thervoykandigai Thiruvallur	Pillaiyalkottam Kancheepuram
Vallam Vadugai - I Kancheepuram	Aerospace Park Kancheepuram

[Load more](#)

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.

ENQUIRY NOW
[CLICK HERE](#)

[f](#) [t](#) [in](#)

Information

- [Disclaimer](#)
- [Terms and conditions](#)
- [Privacy Policy](#)
- [Refund Policy](#)
- [Hyper Link Policy](#)
- [Copy Right Policy](#)

Office Address

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

Phone
044-45261777

Email
tapals@sipcot.in

High UV
Now

Search

4:04 PM
3/11/2026



EC/Thervoykandigai/HYC/Dec/2025

Date: 28.11.2025

To,
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

Sir/Madam,

Sub: SIPCOT Industrial Park at Thervoy Kandigai – Submission of Half Yearly Compliance Report for December 2025 (i.e., for the period of April 2025 to September 2025) - Reg.

Ref: EC Obtained Vide File No 21-41/2009-IA.III. Dated: 09.08.2010

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Thervoy Kandigai, Thiruvallur 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,
Central Pollution Control Board,
Regional Directorate - Chennai,
2nd Floor, 40-E, BSNL Building,
TVK Industrial Estate, CIPET Road, Guindy,
Chennai - 600 032.
2. The Chairman,
Tamil Nadu Pollution Control Board,
No-76, Mount Road, Guindy,
Chennai-600 032.
3. The Project Officer
SIPCOT Industrial Park,
Thervoy Kandigai.



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

CIN I U74999TN1971SGC005967

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

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



SIPCOT Industrial Park, Thervoykandigai - 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 10:48 PM

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

Cc: PO Thervoykandigai <potk@sipcot.in>

Bcc: Sowmya <sowmya@itcot.com>

Sir/Madam,

Ref: EC obtained from MoEF vide EC F.No- 21-41/2009-IA.III.dated: 09.08.2010.

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 Thervoy Kandigai, Thiruvallur District, Tamil Nadu" along with supporting documents for your perusal and records.

--

Thanks & Regards,
Environment Cell,
SIPCOT



Thervoykandigai HYC Dec 25.pdf

9987K



SIPCOT

EC/1/362198/2025/TK

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, Thervoykandigai - Environmental Statement for the Financial Year ending 31st March 2025 - Submitted - Reg.

Ref: MoEF&CC EC Letter No. 21-41/2009-IA.III dated 09.08.2010.

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 Thervoykandigai Village, Thiruvallur District, Tamil Nadu for financial year ending 31st March 2025.

Yours faithfully,

CONSULTANT (PROJECT MANAGEMENT)

Encl: As above.



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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

THE HINDU - Dated: 25/08/2010

**STATE INDUSTRIES PROMOTION
CORPORATION OF TAMIL NADU LTD.**

19-A, Rukmani Lakshmi Pathy Road, Egmore, Chennai - 600 008.

ENVIRONMENTAL CLEARANCE**SIPCOT Industrial Park****Thervoykandigai, Thiruvallur District**

Environmental Clearance has been obtained for the proposed SIPCOT Industrial Park at Thervoykandigai, Thiruvallur District from Ministry of Environment & Forests, New Delhi, vide their letter No. 21-41/2009-IA. III, dated 09.08.2010

The contents of the letter can be viewed in SIPCOT website : www.sipcot.com and also in the MoEF website : www.envfor.nic.in. Further, the copies of the Environmental Clearance could be obtained from the Head Office of Tamil Nadu Pollution Control Board (TNPCB).

Principal Secretary /

Chairman & Managing Director, SIPCOT,

19-A, Rukmani Lakshmi Pathy Road, Egmore,
Chennai - 600 008.

Visit us at : www.tn.gov.in
DIPR/1082/Display/2010

தமிழ்நாடு தொழில் முனைற்ற நிறுவனம்
19-ஆ-உருக்குமணி இலட்சுமிபதி சாலை, எழும்பூர், சென்னை-600 008



தமிழ்நாடு தொழில் முனைற்ற நிறுவனம்

19-ஆ-உருக்குமணி இலட்சுமிபதி சாலை, எழும்பூர், சென்னை-600 008

சுற்றுச்சூழல் இசைவாணை

சிப்காட் தொழிற்புங்கா

தேர்வாய் கண்டிமை, திருவள்ளூர் மாவட்டம்

மத்திய சுற்றுச்சூழல் மற்றும் வனத்துறை அமைச்சகம், கடிதம் எண். 21-41/2009-IA.III தேதி 09.08.2010 வழியாக திருவள்ளூர் மாவட்டம் தேர்வாய் கண்டிமையில் உத்தேசிக்கப்பட்டுள்ள தொழிற்புங்காவிற்கு சுற்றுச்சூழல் இசைவாணை வழங்கியுள்ளது. உவ்விசைவாணையின் முழு விவரத்தை சிப்காட் இணையதளமான www.sipcot.com மற்றும் மத்திய சுற்றுச்சூழல் மற்றும் வனத்துறை அமைச்சகத்தின் இணையதளமான www.envfor.nic.in ஆகியவற்றில் காணலாம். மேலும் இசைவாணையின் நகலினை தமிழ்நாடு மாசு கட்டுப்பாட்டு வாரியத் தலைமை அலுவலகத்தில் பெறலாம்.

முதன்மை செயலர் /

தலைவர் மற்றும் மேலாண்மை கியக்குனர், சிப்காட்,

19-A, உருக்குமணி இலட்சுமிபதி சாலை,

சென்னை-600 008.

Visit us at : www.tn.gov.in

ம.தொ.இ./1082/வரைகலை/2010

Photographs of STP/ETP of Individual Industries

Industry Name: Michelin (STP)



ETP



Industry Name: SHV Energy Private Limited (STP)



Industry Name: Tropical Breweries (STP)



ETP



Industry Name: PCBL (STP)



ETP



Industry Name: Laulagun Bearings India Pvt Ltd



Industry Name: Wheels India

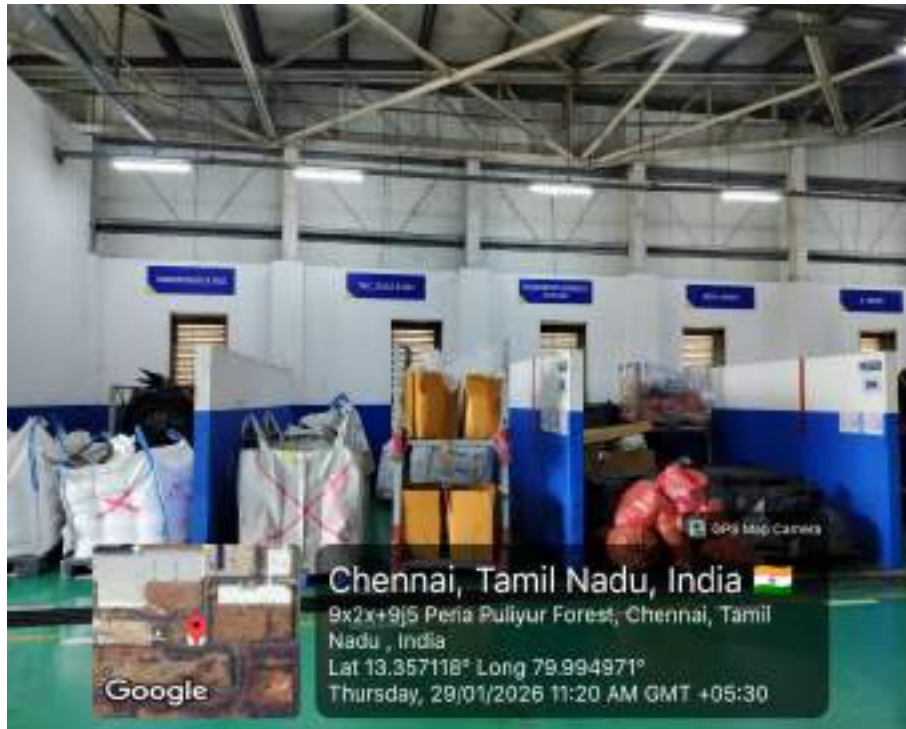


Photographs of Solid waste Management Area

SIPCOT



Industry Name: Michelin



Industry Name: SHV Energy Private Limited (SUPERGAS)



Industry Name: PCBL



Industry Name: Laulagun Bearings India Pvt Ltd



Industry Name: Wheels India



Photographs of DG Set of Individual Industries

Industry Name: Michelin



Industry Name: SHV Energy Private Limited



Industry Name: Tropical Breweries



Industry Name: PCBL



Industry Name: Laulagun Bearings India Pvt Ltd



Industry Name: Wheels India



Photographs of Greenbelt

SIPCOT





Industry Name: Michelin



Industry Name: SHV Energy Private Limited



Industry Name: PCBL



Photographs of Rainwater harvesting pits and pond, Storm water drain and weephole**Rainwater harvesting pit****Storm water drains**

Weephole



Rainwater Harvesting Pond

Industry Name: Michelin Tyres



Stormwater drains

Industry Name: SHV Energy Private Limited



Stormwater drains

Industry Name: Tropical Breweries



RHW Pond
Industry Name: PCBL



Photographs of Parking area**SIPCOT (Project office)****SIPCOT (Truck parking area)**

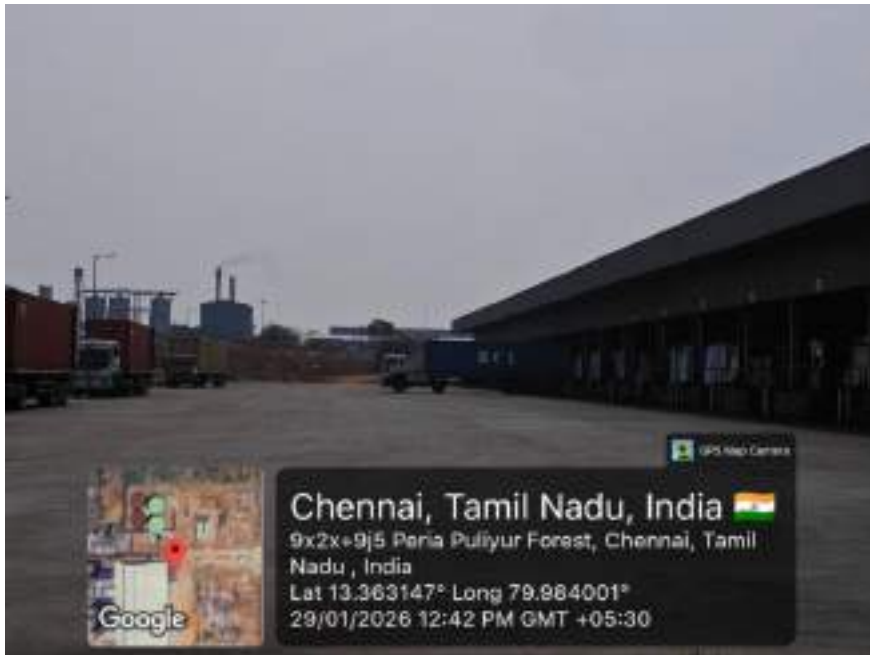
Industry Name: Michelin



Industry Name: SHV Energy Private Limited



Industry Name: PCBL



Industry Name: Tropical Breweries



Photographs of LED Lights

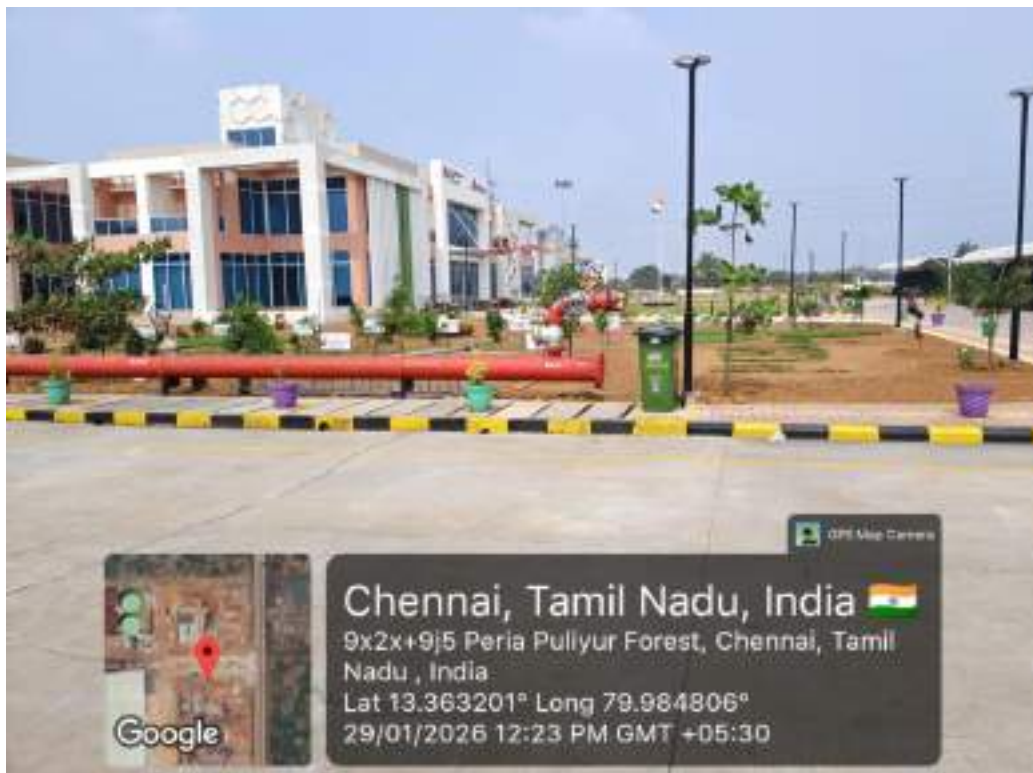
SIPCOT



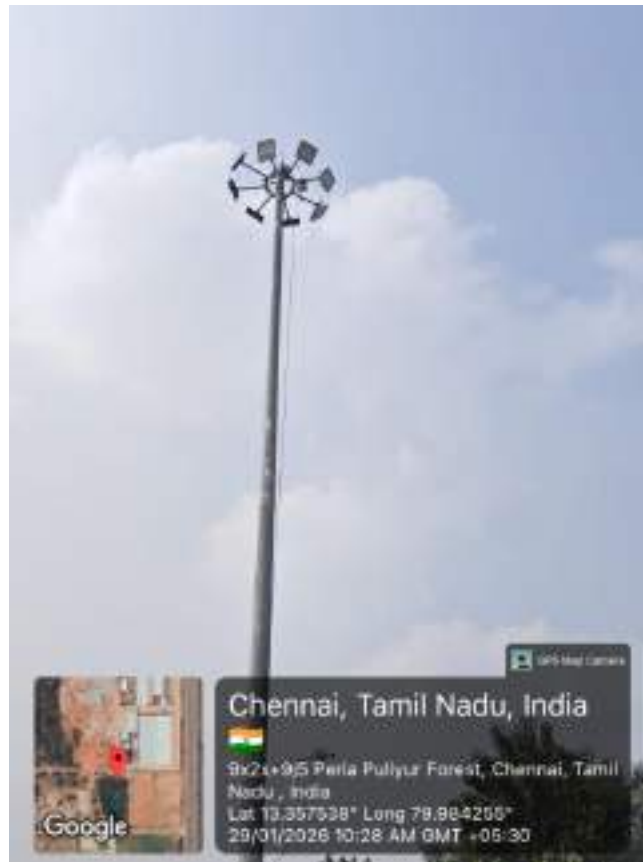
Industry Name: Michelin



Industry Name: PCBL



Industry Name: Tropical Breweries



Photographs of Solar Energy Utilization of member units

Industry Name: Michelin



Wheels India



Photographs of Firefighting system

SIPCOT



Industry Name: Michelin



Industry Name: SHV Energy Private Limited



Industry Name: PCBL



Industry Name: Tropical Breweries



Photographs of Common facilities

Drinking water- SIPCOT Project Office



Rest room- SIPCOT Project Office



Water Supply to Industries



Creche facility



Telecommunication facilities



First Aid Centre

