



EC/Cheyyar/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, Cheyyar - Submission of Half Yearly Compliance Report for June 2026 (i.e., for the period of October 2025 to March 2026) - Reg.

Ref: 1. EC obtained vide File No. 21-181/2014-IA.III Dated: 30.09.2016
2. EC Amendment obtained vide EC Identification No.EC25A3101TN5628333A; File No. 21-181/2014-IA.III Dated : 16.07.2025

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Mangal, Kunnavakkam, Mathur, Karanal, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjaipattu, Mahajanambakkam Villages Cheyyar Taluk, Tiruvannamalai 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.

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/

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

/Forwarded by Order/


CONSULTANT (ENVIRONMENT)

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

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HALF YEARLY ENVIRONMENTAL COMPLIANCE REPORT

For the period of October 2025 – March 2026

For

Development of SIPCOT Industrial Park

At

Mangal, Kunnavakkam, Mathur, Karanai,
Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu,
Mahajanambakkam Villages, Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu.

EC Obtained Vide File No 21-181/2014-IA-III. dated: 30.09.2016

Amendment in EC Identification No: EC25A3101TN5628333A dated:16.07.2025

Submitted by



M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED

**19/A, Rukmani Lakshmipathy
Road, Egmore, Chennai-600008.**

May 2026

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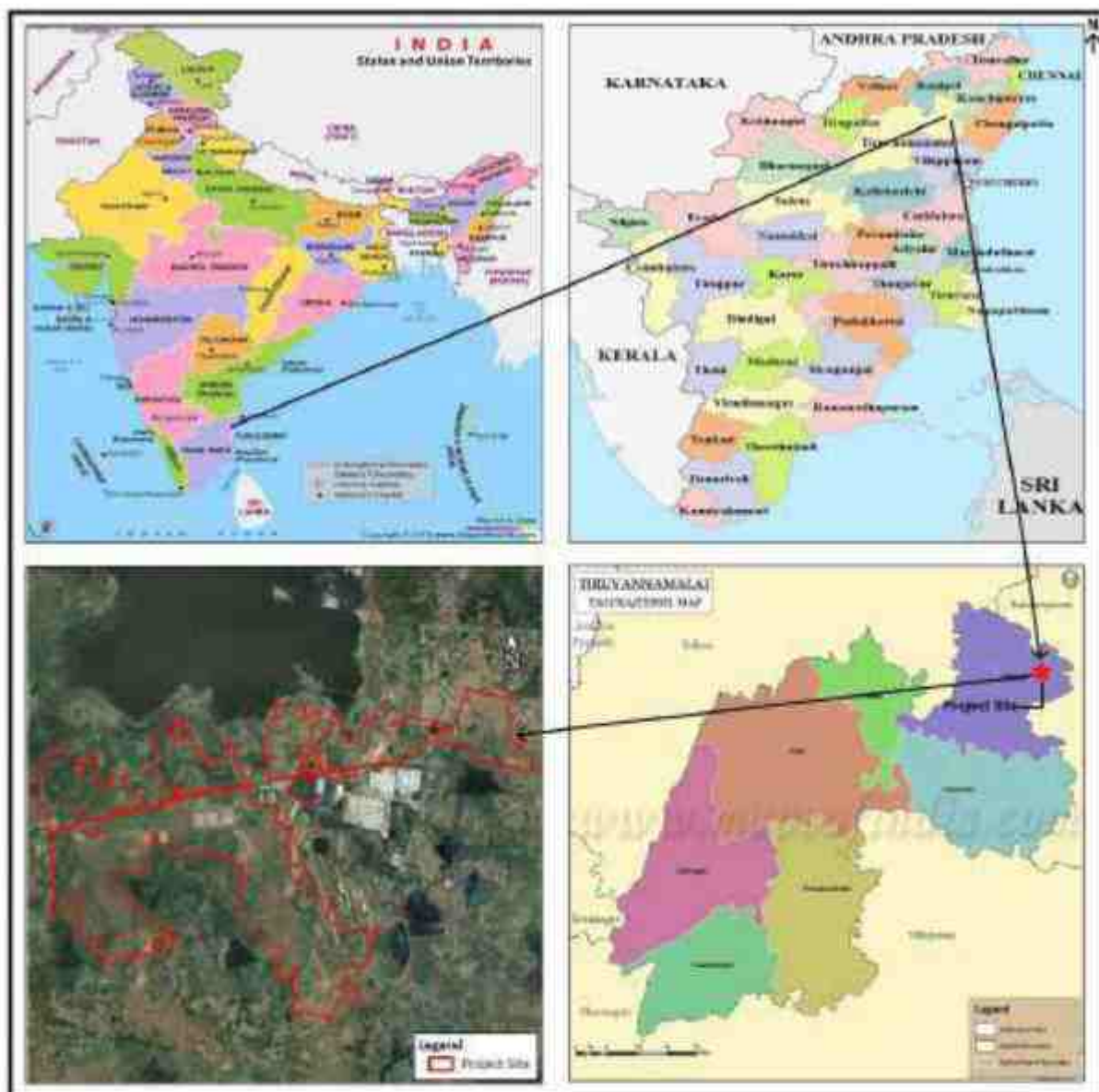
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Annexure 1b	EC Amendment Copy
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1. PROJECT DETAILS

Name of the project	Development of Industrial Park, Cheyyar
Name of the proponent	STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD (SIPCOT).
Location	Mangal, Kunnavakkam, Mathur, Karanai, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu, Mahajanambakkam Villages, Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu. Note: Cheyyar Taluk is bifurcated as Vembakkam Taluk also.
EC No	F.No 21-181/2014-IA.III Dated 30.09.2016 (Enclosed as Annexure 1a) Amendment in EC Identification No: EC25A3101TN5628333A dated :16.07.2025 (Enclosed as Annexure 1b)
Total plot area	931.015 ha
Water requirement	4.5 MLD (Existing) and 1.62 MLD (Proposed) Source: • TWAD (Cheyyar River) and Approval letter is enclosed as Annexure – 2a. • Additional augmentation of 1.62 MLD as per Annexure-2b.

2. SITE LOCATION MAP



3. SITE PHOTOGRAPHS





Industries Photograph

Autoliv



Luftek



Royal Enfield



BIRLA Opus Paints



XCMG



Vel-Vin Rengo



4.0 HALF YEARLY COMPLIANCE STATEMENT

PART – A SPECIFIC CONDITIONS

1. Construction Phase

S.NO	CONDITON	STATUS OF COMPLIANCE
i	Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Consent to Establish obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974. Copy of the same is enclosed as Annexure –3 .
ii	There shall be a continuous green belt along the plant premises, except at the designated entry and exit points.	SIPCOT has developed continuous greenbelt across various locations within the industrial park, ensuring green cover throughout the industrial park. Greenbelt layout of the Industrial Park is enclosed as Annexure – 15 . Additional to SIPCOT, individual industries have also developed greenbelts within their plots. Photographs of green belt development by SIPCOT and Individual Industries are enclosed as Annexure – 16 .
iii	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured/recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Six Monthly Monitoring reports.	The quantity of fresh water supplied to individual industries is being measured / recorded by SIPCOT. Average quantity of freshwater supplied for the industries is ~1.5 MLD. Water recycling and rainwater harvesting activities are implemented by the individual industries within their plots. Photographs of STP and ETP of Individual industries are enclosed as Annexure-17 . Photographs of Rain water harvesting structures provided by Individual industries are enclosed as Annexure-18 .

iv	Special purpose vehicle shall be established for implementation monitoring and compliance of the environmental safeguards.	Environmental Management Cell was established for implementation monitoring and compliance of the environmental safeguards. Supporting documents are enclosed as Annexure – 14 .																												
v	All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.	The Environmental Management Plan along with the compliance status is given below: <table><tr><th>S.No</th><th>Description</th><th>Cost Allocated (₹in Lakhs)</th><th>Cost Incurred (₹in Lakhs)</th></tr><tr><td>1</td><td>Storm Water Drain</td><td colspan="2">2700.16</td></tr><tr><td>2</td><td>SWM</td><td>223</td><td>157.99</td></tr><tr><td>3</td><td>RWH</td><td>150</td><td>-</td></tr><tr><td>4</td><td>Greenbelt</td><td>420</td><td>222.43</td></tr><tr><td colspan="4"></td></tr><tr><td></td><td>CER</td><td>920</td><td>-</td></tr></table> Photographs of green belt development by SIPCOT are enclosed as Annexure – 16. Photographs of Solid Waste Management Facility Provided by SIPCOT are enclosed as Annexure – 19. Photographs of Storm Water Drains and rainwater Harvesting provided by SIPCOT as well as individual industries are enclosed as Annexure – 18. In addition to the above, SIPCOT has allocated ₹9.2 Crores (Rupees Nine Crores Twenty Lakhs Only) exclusively for carrying out CER activities surrounding the SIPCOT Industrial Park, Cheyyar (Phase-II).	S.No	Description	Cost Allocated (₹in Lakhs)	Cost Incurred (₹in Lakhs)	1	Storm Water Drain	2700.16		2	SWM	223	157.99	3	RWH	150	-	4	Greenbelt	420	222.43						CER	920	-
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3	RWH	150	-																											
4	Greenbelt	420	222.43																											
	CER	920	-																											

		SIPCOT has requested the District Collector, Tiruvannamalai to submit a detailed proposal specifying CER activities, including provisions for developing facilities for disabled people that could be implemented under CER in the surrounding area of the SIPCOT Industrial Park, Cheyyar (Phase-II). Acknowledgement copy of letter submitted to the District Collector, Tiruvannamalai requesting to submit the proposal for is enclosed as Annexure – 12.
vi	The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent before taking into the CETP for further treatment.	CETP was not envisaged in the Industrial Park. However, SIPCOT has mandated the member units to have their own ETP with Zero Liquid Discharge (ZLD) system and to handle their own domestic wastewater as per the prescribed standards. Photographs of STP and ETP of Individual industries are enclosed as Annexure-17 .
vii	Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.	CETP was not envisaged in the Industrial Park. However, SIPCOT has mandated the member units to have their own ETP with Zero Liquid Discharge (ZLD) system and to handle their own domestic wastewater as per the prescribed standards. The Member Industries has provided proper meters with recording facilities in their ETP. Photographs of STP and ETP of Individual industries are enclosed as Annexure-17.
viii	Member industries shall treat the effluent to meet the prescribed CETP inlet norms.	CETP was not envisaged in the Industrial Park. SIPCOT has mandated the member units to have their own ETP with zero liquid discharge system and to handle their own domestic waste water as per the prescribed standards. Photographs of STP and ETP of

		Individual industries are enclosed as Annexure-17.
ix	The project proponent shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest for improvements.	Separate environmental management cell has been formed for implementation monitoring and compliance of the environmental safeguards. Environment Management Cell (EMC) will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure – 14.
x	Internal Road widths within the industrial area shall be minimum 24 m ROW.	SIPCOT has provided Internal Road with 24 m and 36 m ROW within the industrial area. Photographs of the same are attached as Annexure-21.
xi	Common facilities such as repair shops, rest rooms for drivers and attendants shall be provided.	SIPCOT has provided common facilities like rest rooms, toilet, etc. for drivers and attendants within the truck parking area. Photographs of Toilet facilities is enclosed as Annexure -29.
xii	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	All required sanitary and hygienic measures are placed before starting construction activities and maintained throughout the construction phase.
xiii	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.	Soil & ground water samples are collected and being tested periodically in and around the industrial park. There is no threat to ground water quality due to leaching of heavy metals and other toxic contaminants. Soil and ground water monitoring reports is enclosed as Annexure – 4.

xiv	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.	Construction spoils, including bituminous material and other hazardous materials are secured in the designated areas and does not contaminate water courses. The photographs of nearest water bodies are enclosed as Annexure – 23 . Surface Water Quality Monitoring Reports of nearby water bodies is enclosed as Annexure –4 .
xv	Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.	SIPCOT has provided parking spaces within their project office. Further, SIPCOT has provided Truck Parking Area within the Industrial Park. Additionally, Individual industries have parking slots within their premises. Photograph of SIPCOT Project Office Parking area, SIPCOT Truck Parking Area and Individual Industries Parking Area are enclosed as Annexure – 24 .
xvi	Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Agreed to comply.
xvii	The diesel generator sets to be used during development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	SIPCOT has not proposed any DG sets for the development/ construction phase of the Project. However, condition will be complied, if required for completing the remaining infrastructure.
xviii	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.	SIPCOT has not proposed any DG sets for the development/ construction phase of the Project. However, individual industries obtained PESO approval from the Chief Controller of Explosives for storage of diesel in underground tanks, wherever required.

		Photographs of Diesel and other fuel storage facility are enclosed as Annexure -33 .
xix	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.	Agreed to comply. Individual vehicle owners will be directed to keep the hired vehicles in good condition and emission documents will be maintained by the vehicle owner which conforms to the prescribed standards and the workers will be advised to use the vehicles during the non-peak hours as per the guidelines.
xx	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 development/ 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/SPCB.	SIPCOT is periodically monitoring Ambient Air Quality and Noise Level and there is no incremental pollution load observed. Those Ambient Air Quality and Noise Level Monitoring reports is enclosed as Annexure – 4 . A proper green cover has been developed to mitigate air and noise pollution. The member industries are also instructed to adhere to the air and noise standards stipulated by CPCB/SPCB.
xxi	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.	In accordance with the Fly Ash Notification, 1999, there are no coal or lignite-based thermal power plants within a 50 km radius of the project site, resulting in unavailability of fly ash as construction material. However, individual industries have utilized fly ash-blended materials in their construction activities. Photographs of fly ash mixed construction materials used by these industries is enclosed as Annexure – 25 .
xxii	Ready mixed concrete must be used in site development and building construction.	Being followed. During construction Ready mix concrete was used to reduce the water demand in the project site.

		Photographs of ready mixed concrete usage is enclosed as Annexure -34 .
xxiii	Storm water control and its re-use as per CGWB and BIS standards for various applications.	SIPCOT has implemented a comprehensive storm water drainage system to efficiently manage water flow across the industrial park. SIPCOT have developed the storm water drains along the internal roads of the industrial park. Further, individual industries have established their own storm water drainage systems within their plots. Collected storm water is directed into rainwater harvesting ponds, allowing industries to reuse the water. Photographs of the storm water drains and rainwater harvesting ponds provided by the individual industries and SIPCOT are enclosed as Annexure – 18.
xxiv	Water demand during development/construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	SIPCOT is utilizing ready-mix concrete for construction, which helps reduce water demand during the development phase. This practice minimizes water consumption in the construction process. Photographs of ready mixed concrete usage is enclosed as Annexure -34.
xxv	Permission to draw ground water shall be obtained from the competent Authority prior to construction/ operation of the project.	No Ground water is drawn by SIPCOT. Total water requirement for the project is sourced from TWAD board. Water allocation letter is enclosed as Annexure – 2a & 2b .
xxvi	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	SIPCOT has not proposed CETP & CSTP. Hence, dual plumbing was not implemented for the separation of grey and black water.

xxvii	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control	Individual industries have provided pressure reducing devices or sensor-based control for fixtures and taps. Photographs of low flow aerator pipes are enclosed as Annexure-22 .
xxviii	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality low E value glass.	The usage of glass was reduced by SIPCOT. Further, the member industries have used high quality low E value glass. The Photographs of high-quality low E value glass used by Industries are enclosed as Annexure – 26 .
xxix	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	It is an infrastructure development project which involves development of roads, stormwater drains, water supply, power supply, street lights, greenbelt development and other such amenities to accommodate the industries. However, individual industries use appropriate thermal insulation materials. Photographs of thermal insulation material provided by Individual industries are enclosed as Annexure – 27 .
xxx	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	It is an infrastructure development project which involves development of roads, storm water drains, water supply, power supply, street lights, greenbelt development and other such amenities to accommodate the industries.
xxxi	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.	It is an infrastructure development project which involves development of roads, stormwater drains, water supply, power supply, street lights, greenbelt development and other such amenities to accommodate the industries. However, all the member

		industries are instructed to obtain all necessary clearances / approvals. Adequate fire-fighting equipment's were provided by individual industries, photograph of the same are enclosed as Annexure – 28 .
xxxii	Regular supervision of the above and other measures for monitoring should be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.	Condition Noted. Regular supervision of the above and other measures will be monitored by Environmental Management Cell of SIPCOT.
xxxiii	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.	Condition Noted.
xxxiv	The responses/ commitments made to the issues raised during public hearing shall be complied with in letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.	The compliance statement addressing the responses and commitments made to the issues raised during the public hearing is being submitted to the Ministry periodically as part of the Six-Monthly Compliance Report. Screenshot of latest compliance report uploaded in website is enclosed as Annexure-7 . Proof for submission of Half Yearly Compliance to Competent Authorities is enclosed as Annexure-8 .
xxxv	2% of the project cost shall be earmarked for Corporate Environment Responsibility activities.	Condition being Complied. SIPCOT has allocated 2% of the project cost i.e., ₹9.2 Crores (Rupees Nine Crores Twenty Lakhs Only) exclusively for carrying out CER activities surrounding the SIPCOT Industrial Park, Cheyyar (Phase-II). SIPCOT has requested the District Collector,
xxxvi	Necessary provision to develop facilities for disabled people shall be made under Corporate Environment Responsibility	

		Tiruvannamalai to submit a detailed proposal specifying CER activities, including provisions for developing facilities for disabled people that could be implemented under CER in the surrounding area of the SIPCOT Industrial Park, Cheyyar (Phase-II). Acknowledgement copy of letter submitted to the District Collector, Tiruvannamalai requesting to submit the proposal for is enclosed as Annexure – 12.
xxxvii	Corporate Environment Responsibility: a) The Company shall have a well laid down Environment Policy approved by the Board of Directors. b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/ deviation/ violation of the environmental or forest norms/ conditions. c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished. d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large	SIPCOT has formulated a well laid down Environment Policy approved by the Board of Directors in order to comply with the regulatory condition. Separate environmental management cell has been formed for implementation monitoring and compliance of the environmental safeguards. Environment Management cell will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure – 14.
II Operation Phase		

i	All the topsoil excavated during development/ construction activities should be stored for use in horticulture / landscape development within the project site.	All the excavated top soil has been / will be used for greenbelt development within the industrial park.
ii	Disposal of muck during development/ construction phase should 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.	The disposal of muck during development/ construction phase will be carried out with general safety precautions.
iii	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.	The solid waste generated are properly collected, segregated and disposed off to the approved sites after recovering recyclable material. Photograph of solid waste collection cart and the solid waste management area are enclosed as Annexure – 19.
iv	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. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	SIPCOT has not proposed any DG sets for the Project. Individual industries have provided DG sets for their power back up with enclosed type and with sufficient stack height. Photographs of DG set provided by Individual industries are enclosed as Annexure – 13.
v	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the	Noise levels are being monitored periodically. Day and Night time the noise levels are well within the permissible levels.

	building shall be restricted to the permissible levels to comply with the prevalent regulations.	The noise level monitoring report is enclosed as Annexure – 4 .
vi	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	SIPCOT has developed greenbelt with adequate width and density across various locations within the industrial park, ensuring green cover throughout the industrial park. Photographs of green belt development by SIPCOT are enclosed as Annexure – 16 . Additionally, individual industries have developed greenbelts along the periphery of the plots. Photographs of green belt development by Individual Industries are also enclosed as Annexure – 16 .
vii	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 were provided by the individual industries in the compound walls to ensure natural drainage of rain water during the monsoon period. Photographs of weep holes provided by Individual Industries are enclosed as Annexure – 30 .
viii	Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pretreatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 4 mts. Above the highest ground water table.	Rainwater from roof runoff and surface runoff is collected by individual industries within their plots in rainwater collection ponds through storm water drains. The collected water is then pre-treated and reused for processes or utilities. The Photographs showing the rain water harvesting ponds and storm water drain by individual industries and SIPCOT are enclosed as Annexure – 18 . Apart from this, SIPCOT has provided rain water harvesting pits in the project office. The Photographs showing the rain water

		harvesting pits by SIPCOT and industries are also enclosed as Annexure – 18.
ix	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	The ground water quality is being monitored regularly and the monitoring report is enclosed as Annexure – 4. The same will be followed in the operation phase.
x	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided: Parking, loading and unloading should be fully internalized and no public space should be utilized.	The parking area, loading and unloading area are internalized within the industrial park and no public spaces were utilized. Photograph of SIPCOT Project Office Parking area, SIPCOT Truck Parking Area and Individual Industries Parking Area are enclosed as Annexure – 24.
xi	A Report on the energy conservation measures confirming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc., and submit to the Ministry in three months time.	Energy conservation measures are being implemented by the individual industries. Solar streetlights and Roof top solar panel photographs by individual industries are enclosed as Annexure – 31.
xii	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building 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.	The Energy conservation measures like installation of LED lights were done for lighting the common areas like project office, internal roads, Solid waste management area, etc. All the member industries are instructed to dispose the wastes through authorised recyclers, as per applicable rules and norms with necessary approvals. Individual industries have provided roof top solar panel and solar lights within their premises.

		Photographs of solar panel and solar lights provided by individual industries are enclosed as Annexure – 31. Photographs of LED Lights is enclosed as Annexure-20.
xiii	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Buildings have adequate distance for movement of fresh air and passage of natural light, air and ventilation. All industries are mandated to obtain all necessary clearances/approvals before commencement of construction/ operation.
PART – B General Conditions		
i	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	Conditions are being/will be complied.
ii	Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.	Agreed to comply
iii	Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office, Chennai.	Six monthly monitoring reports are being submitted at Regional Office of MoEF&CC periodically. The Screenshot showing previous six-monthly compliance report uploaded in the SIPCOT portal is enclosed as Annexure –7. Proof for submission of Half Yearly Compliance to competent authorities is enclosed as Annexure -8.
iv	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Thasildar's office for 30 days.	Condition complied.

v	The project proponent shall set up a separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Condition Complied. Separate environmental management cell has been formed for implementation monitoring and compliance of the environmental safeguards. Environment Management cell will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure – 14.
vi	The funds earmarked for environment management plan shall be include in the budget and this shall not be diverted for any other purpose.	Condition Noted. The funds earmarked for environment management plan is included in the budget and this shall not be diverted for any other purpose.
5	The above 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 the EIA Notification, 2006.	Condition Noted and complied with. CTE copy is enclosed as Annexure-3.
6	Officials from the Regional Office of MoEF&CC at Chennai 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&CC should be forwarded to the	Condition is being complied. Proof of submission of Half Yearly Compliance to competent Authorities is enclosed as Annexure- 8.

	CCF, Regional Office of MoEF&CC at Chennai.	
7	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 and will be complied.
8	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.	Condition Noted and will be complied.
9	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 and will be complied. All industries are mandated to obtain all necessary clearances/approvals before commencement of construction/ operation.
10	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 State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in . The advertisement	The Environmental Clearance (EC) for SIPCOT Industrial Park, Cheyyar, was issued on 30.09.2016. However, the Hard copy of the EC was officially received by SIPCOT on 06.10.2016, as there was no online communication. Following its receipt, the advertisement materials were submitted to the Public Relations Department on 08.10.2016. Accordingly, the newspaper advertisement was published in Dinathanthi and The New Indian Express on 14.10.2016.

	should be made within Seven 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 Chennai.	It is submitted that the advertisement was published within 7 working days from the date of receipt of the Environmental Clearance by SIPCOT, in line with the stipulated condition and the same is enclosed as Annexure-II .
11	This 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 and will be complied.
12	Any appeal against the clearance lies with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Nil.
13	A copy of the clearance shall be sent by the proponent to the concerned Panchayat, Zila Parishad/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.	A copy of the clearance was sent by SIPCOT to the concerned Local Body and the acknowledgement copy is enclosed as Annexure – 10 . Environmental Clearance and Amendment in EC copy is uploaded on the SIPCOT website enclosed as Annexure – 6 .
14	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, 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	SIPCOT has been uploading the status of compliance of the stipulated EC conditions, including results of monitored data on their website periodically. Screenshot of compliance report uploaded in our website along with monitoring data is enclosed as Annexure-7 . Proof for submission of Half Yearly Compliance to competent authorities is enclosed as Annexure -8 .

	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.	Additionally, it has been submitted 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 is being monitored and displayed at near the main gate of the individual industries in the public domain. Same is enclosed as Annexure – 32 .
15	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.	The environmental statement for each financial year ending 31st March in Form - V is being submitted to TNPCB and the acknowledgment is attached as Annexure – 9 . Screenshot of Environmental statement is enclosed as Annexure – 9a . Proof for submission of Half Yearly Compliance to competent authorities is enclosed as Annexure-8 .

Amendment in EC:

The Ministry of Environment, Forest and Climate Change has issued Amendment in the Environmental Clearance for the earlier EC granted vide letter no. F.No.21-181/2014-IA-III dated: 30.09.2016 for **“Development of SIPCOT Industrial Park” in Cheyyar & Vembakkam Taluk, Tiruvannamalai District (Tamil Nadu) over an extent of 931.015 Ha. (2300.58 Acres)** by M/s State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) under the EIA Notification, 2006 and its subsequent Amendments, subject to the following specific conditions mentioned at **Annexure - I**.

Specific Conditions:

S.No	CONDITION	STATUS OF COMPLIANCE
i.	The proponent has to comply with the Ministry's OM no. J-11011/321/2016-IA.II(I), dated 27.04.2018 which made it mandatory for certain types of industries to conduct public hearing irrespective of their location within the Industrial Area or outside the industrial area.	Condition noted and will be complied.
ii.	The proposed individual units need to take Environmental Clearance separately as per the applicability of the schedule of EIA Notification, 2006.	Condition noted and will be complied.
iii.	Project Proponent shall strive to enhance the Green Belt beyond 33% and that the trees planted in this regard would be planted under the campaign "एक पेड़ मॊ ा के नाम" and the details of the trees planted would be uploaded on the portal https://merilife.nic.in .	Condition noted. Since, it is an existing industrial park, SIPCOT has developed continuous greenbelt across various locations, ensuring green cover throughout the industrial park. Greenbelt layout of the Industrial Park is enclosed as Annexure – 15 . Photographs of green belt development by SIPCOT are enclosed as Annexure – 16 .
iv.	The PP shall construct a garland drain, with catch pits of appropriate capacity at an appropriate distance, all around the industrial estate and also around the water bodies falling within the project boundary to prevent runoff of any contaminants/ waste into the nearby water bodies. The garland drains shall be designed such that the runoff within the boundary of the industrial area is collected in the garland drains, which shall be treated	Condition noted. Only the common-area runoff from roads will be discharged through storm water drains. Individual industries are mandated to manage, collect, and reuse their storm water runoff within their plot ensuring compliance with CPCB/TNPCB norms.

	appropriately, and conform to CPCB standards.	
v.	No sewage or untreated effluent water would be discharged through stormwater drains; drainage systems or the river is permitted throughout the duration of the project. The project developer (PP) must implement measures to monitor and ensure compliance with these conditions to prevent any significant flooding in areas adjacent to the project site.	Condition will be complied. No sewage or untreated effluent will be discharged through storm water drains or into any water bodies. Individual industries will be mandated to install ZLD system and to install STP / ETP as applicable & treat the sewage / effluent. Treated sewage reused for greenbelt development and effluent will be used for their process or utilities.
vi.	All other terms and conditions mentioned in the EC vide letter no. F.No.21-181/2014-IA-III dated: 30.09.2016 shall remain unchanged.	Condition Noted.

5. ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit six monthly compliance report (Half yearly Compliance) to MoEF&CC Regional Office by the proponent. For the purpose of submitting Six-Monthly Compliance report, environmental monitoring was carried out at site by M/s.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 construction phase, particulate matter and gaseous emissions are likely to arise from the site movement of vehicles, operation of DG sets etc., the ambient air quality parameters such as suspended Particulate matter (PM10), Respirable Particulate matter (PM 2.5), Sulphur dioxide, Oxides of Nitrogen (NOx), Ammonia, Ozone 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 levels were monitored and the test report of ambient noise recorded during the period of October 2025 to March 2026 is enclosed as **Annexure -4**.

5.3 Soil quality monitoring

Soil samples were collected and analyzed for nutrients and heavy metals. The test report of soil samples collected and analyzed during the period of 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 the period of October 2025 to March 2026. The test report of ground water collected and analysed is enclosed as **Annexure - 4**.

5.5 Surface water quality monitoring

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

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

6. CONCLUSION

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

F.No.21-181/2014-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Dated: 30th September, 2016

To

The Managing Director,
M/s State Industries Promotion Corporation of Tamil Nadu Ltd,
19/A, Rukmani Lakshmiipathy Road, Egmore,
Chennai - 600 008 (Tamil Nadu)

Sub: 'Development of SIPCOT Industrial Park' in Taluka Cheyyar, District Tiruvannamalai (Tamil Nadu) by M/s State Industries Promotion Corporation of Tamil Nadu Limited - Environmental Clearance - reg.

Sir,

This has reference to your application No.DI/EIA-Cheyyar/2016 dated 22.06.2016, submitting the above proposal to this Ministry for grant of Environmental Clearance (EC) in term of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for '**Development of SIPCOT Industrial Park**' in Taluka Cheyyar, District Tiruvannamalai (Tamil Nadu) promoted by M/s State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT), was considered by the Expert Appraisal Committee (EAC) in the Ministry for Infrastructure Development, Coastal Regulation Zone, Building/ Construction and Miscellaneous projects, in its 160th meeting held on 28-29 June, 2016.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said EAC meeting, are reported to be as under:-

(i) The project involves development of Industrial Park in a total area of 931.015 ha in Taluka Cheyyar, District Tiruvannamalai (Tamil Nadu) promoted by M/s State Industries Promotion Corporation of Tamil Nadu Limited. The project location is in the revenue limits of Mangal, Kunnavakkam, Mathur, karantai, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu and Mahajanambakkam villages in Cheyyar Taluk, District Tiruvannamalai (Tamil Nadu).

(ii) The geographical location is 12° 41 '36.50"N to 12° 44 '12.32"N Latitude and 79° 37 '20.20"E to 79° 41 '15.09"E Longitude.

(iii) The proposed park will house industrial units namely, metallurgical industries [item 3(a)] and Induction/Arc Furnaces/Cupola Furnaces of TPH or more [item 5(k)].

(iv) The water demand to the tune of 1 MGD will be made available through SIPCOT managed water supply systems from River Cheyyar. "Zero Waste Objectives" will be mandated to all member industries as precondition for land allotment.

- (v) The member units will be mandated to establish ETPs as Zero Liquid Discharge Plants, to reclaim water for reuse/recycle in the utilities, green belt and washings.
- (vi) The process solid waste, sludge from ETP/STP will be stored temporally in closed shed, having concrete floor.
- (vii) The sludge will be transferred, periodically as per the plan, for pretreatment in Incinerator, if needed and final disposal into Secured land fill. Approved facility for Hazardous Solid waste Management Facility which is in operation at Gummidipoondi, to which the IP members units will transfer the Solid waste.
- (viii) All member units will be mandated to develop atleast 35% of the allotted plot area as Green belt with plant and trees.
- (ix) **Investment/Cost:** The cost of the project is Rs.460 crore.
- (x) The project is not falling in Critically Polluted area.
- (xi) **Forest land:** No forest land is involved in the project.
- (xii) **Eco-sensitive area:** No specific biological diversity like National parks, wild life sanctuaries, Tiger reserve, Habituate for migratory birds, Mangrove, Wet lands and Botanical/Zoological gardens as Protected area under the Wildlife (Protection) Act, 1972, etc., are found in the project Impact area, i.e. 10 km radius of project area.
- (xiii) **Employment Potential:** 5000 Nos.
- (xiv) **Benefits of the project:** Environmentally compatible industrial development as Cluster for two types of industries viz., 3(a) and 5 (k).
- (xv) Terms of Reference was accorded to the project vide letter No.21-181/2014-IA-III dated 19th March, 2015.
- (xvi) **Public Hearing:** Public Hearing was conducted on 5th November, 2015 at Cheyyar.

4. The EAC, in its 160th meeting held on 28-29 June, 2016, has recommended the project for grant of Environmental Clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project '**Development of SIPCOT Industrial Park**' in Taluka Cheyyar, District Tiruvannamalai (Tamil Nadu) promoted by M/s State Industries Promotion Corporation of Tamil Nadu Limited, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A - SPECIFIC CONDITIONS

I. Construction Phase

- (i) 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (ii) There shall be a continuous green belt along the plant premises, except at the designated entry and exit points.
- (iii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured/recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six Monthly Monitoring reports.

- (iv) Special purpose vehicle shall be established for implementation monitoring and compliance of the environmental safeguards.
- (v) All the recommendation of the EMP shall be complied with letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.
- (vi) The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent before taking into the CETP for further treatment.
- (vii) Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.
- (viii) Member industries shall treat the effluent to meet the prescribed CETP inlet norms.
- (ix) The project proponent shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest for improvements.
- (x) Internal Road widths within the industrial area shall be minimum 24 m ROW.
- (xi) Common facilities such as repair shops, rest rooms for drivers and attendants shall be provided.
- (xii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (xiii) 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.
- (xiv) 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.
- (xv) Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.
- (xvi) Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xvii) The diesel generator sets to be used during development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- (xviii) 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.

- (xix) 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.
- (xx) 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 development/ 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/SPCB.
- (xxi) 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.
- (xxii) Ready mixed concrete must be used in site development and building construction.
- (xxiii) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xxiv) Water demand during development/construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxv) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxvi) Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
- (xxvii) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xxviii) Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on airconditioning. If necessary, use high quality low E value glass.
- (xxix) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxx) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all airconditioned spaces while it is aspirational for non-airconditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxi) 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.
- (xxxii) Regular supervision of the above and other measures for monitoring should be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.

- (xxxiii) 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.
- (xxxiv) The responses/commitments made to the issues raised during public hearing shall be complied with in letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.
- (xxxv) 2% of the project cost shall be earmarked for Corporate Environment Responsibility activities.
- (xxxvi) Necessary provision to develop facilities for disabled people shall be made under Corporate Environment Responsibility.
- (xxxvii) Corporate Environment Responsibility:
 - a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
 - b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringements/deviation/ violation of the environmental or forest norms/ conditions.
 - c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
 - d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

II. Operation Phase

- (i) All the topsoil excavated during development/construction activities should be stored for use in horticulture/landscape development within the project site.
- (ii) Disposal of muck during development/construction 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.
- (iii) 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.
- (iv) 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. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- (v) Noise should be controlled to ensure that it does not exceed the 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.
- (vi) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
 - (vii) Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
 - (viii) Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 4 mts. above the highest ground water table.
 - (ix) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
 - (x) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading should be fully internalized and no public space should be utilized.
 - (xi) A Report on the energy conservation measures conforming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months time.
 - (xii) Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building 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.
 - (xiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

PART - B: GENERAL CONDITIONS

- i) The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.
- ii) Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.
- iii) Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office, Chennai.
- iv) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- v) The project proponent shall set up a separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

- vi) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purpose.
5. The above 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 the EIA Notification, 2006.
6. Officials from the Regional Office of MoEF&CC at Chennai 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&CC should be forwarded to the CCF, Regional Office of MoEF&CC at Chennai.
7. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
8. 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.
9. 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.
10. 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 State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven 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 Chennai.
11. This 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.
12. Any appeal against the clearance lies with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
13. A copy of the clearance shall be sent by the proponent to the concerned Panchayat, Zila Parishad/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.

14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, 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.

15. 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.


30/9/2016
(S.K. Srivastava)
Scientist E

Copy to: -

- 1) The Secretary, Environment & Forests Department, Govt. of Tamil Nadu, Saint George Port, Chennai
- 2) The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-32
- 3) The Member Secretary, Tamil Nadu State Pollution Control Board, Chennai.
- 4) The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, Regional Office, 1st Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34
- 5) Guard File
- 6) Monitoring File


30/9/2016
(S.K. Srivastava)
Scientist E



File No.: 21-181/2014-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 16/07/2025



To,

Managing Director
 STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED
 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai, Tamil Nadu, Egmore, 600008
 md@sipcot.in

Subject: Grant of Environmental Clearance under Clause 7(ii)(a) for Modernization of the project namely "Development of SIPCOT Industrial Park" in Cheyyar & Vembakkam Taluk, Tiruvannamalai district (Tamil Nadu) over an extent of 931.015 Ha with no change in the total area as per EC issued vide F.No.21-181/2014-IA-III dated: 30.09.2016 by M/s State Industries Promotion Corporation of Tamilnadu Limited-Environmental Clearance under 7(ii)(a) of the EIA notification, 2006-regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/TN/INFRA1/534348/2025 dated 17/04/2025 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A3101TN5628333A
(ii) File No.	21-181/2014-IA.III
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	7(c) Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones
(vi) Sector	INFRA-1
(vii) Name of Project	Environmental Clearance for the "Development of SIPCOT Industrial Park" in Cheyyar & Vembakkam Taluk, Tiruvannamalai District (Tamil Nadu) over an extent of 931.015 HA with no change in the total area and seeking changes in industrial sector zones as per EC Issued

(viii) Location of Project (District, State)	TIRUVANNAMALAI, TAMIL NADU
(ix) Issuing Authority	MoEF&CC
(x) EC Date	06/06/2025
(xi) Applicability of General Conditions	NO
(xii) Status of implementation of the project	

3. The proposal is related to grant of Environmental Clearance under Clause 7(ii)(a) for Modernization of the existing industrial area. The EC for the project was granted by the Ministry vide letter F.No.21-181/2014-IA-III dated 30.09.2016 for the "Development of SIPCOT Industrial Park" located in Cheyyar & Vembakkam Taluk, Tiruvannamalai district (Tamil Nadu) over an extent of 931.015 Ha. There is no change in the total area as per EC issued vide F.No.21-181/2014-IA-III dated: 30.09.2016 by M/s State Industries Promotion Corporation of Tamilnadu Limited.

4. The project/activity is covered under the category 'A' of item 7(c), i.e., 'Industrial Estate/Parks/Complexes/Areas, Export Processing Zones, Special Economic Zones' of the schedule to the EIA Notification, 2006, and its subsequent amendments. The cost of the project is Rs.545Cr.

5. M/s State Industries Promotion Corporation of Tamilnadu Limited obtained the Environmental Clearance(EC) for 'Development of SIPCOT Industrial Park' in Taluka Cheyyar, District Tiruvannamalai (Tamil Nadu) by M/s State Industries Promotion Corporation of Tamil Nadu Limited' vide letter no. F.No.21-181/2014-IA-III dated: 30.09.2016. The EC was accorded to the above said industrial estate for establishment of 3(a)-Metallurgical industries (ferrous & Non-Ferrous) and 5(k)-Induction/Arre Furnaces/Cupola Furnaces STPH, industries etc, accordingly the EIA/EMP report was prepared and Public Hearing was undertaken.

6. Now M/s State Industries Promotion Corporation of Tamil Nadu Limited has made online application vide proposal No.IA/TN/INFRA1/534348/2025 dated 17/04/2025 seeking Environmental Clearance under Clause 7(ii)(a) w.r.t. change in type of industries by adding the category of 5(h) – Integrated Paint Industry, 5(f) – Synthetic Organic Chemical industries, 5(g(a)) – Grain based distilleries for Ethanol blended Petrol and other non-EC category such as General Engineering, Automobile components, Electrical & Electronics, etc. as per the EIA Notification 2006 and its subsequent amendments, in the Environmental Clearance granted for the "Development of SIPCOT industrial park" in Cheyyar & Vembakkam Taluk, Tiruvannamalai District (Tamil Nadu) over an extent of 931.015 Ha with no change in the total area as per EC dated 30.09.2016. There will not be any change in the landuse of the Industrial Area. The details of the changes are as following:

Sl. No	Description	Area in Ha	Percentage (%) of developable area	Area in Ha	Percentage(%)of developable area	
1	Plot area	931.015	100	663.926	79.89	
2	Commercial			18.442	2.21	
3	Amenities			11.303	1.36	
4	Roads & Storm Water Drain			50.658	6.11	
5	Greenbelt development*			86.672	10.43	
	Developable area			831.001	100.00	
6	Water bodies			95.498	-	
7	Burial ground and buffer area			4.516	-	
Total Area of the Park		931.015	100	931.015	-	

7. List to industries to be housed with the proposed project site.

Sl. No.	Type of Industries	Existing As per EC		Proposed EC Amendment	
		Plot Area in Ha	Percentage(%) of Industrial Plot Area	Plot Area in Ha	Tentative % of Industrial Plot Area
1.	3(a) – Metallurgical industries (ferrous & Non-Ferrous)	-	Not mentioned in the EC	15.180	2.29
2.	5(k) – Induction/Arc Furnaces/Cupola Furnaces 5TPH, etc			-	-
3.	5(h) – Integrated Paint Industry	-	-	44.786	6.75
4.	5(f) – Synthetic Organic Chemical industries			1.012	0.15
5.	5(g(a)) – Grain based distilleries for Ethanol blended Petrol			6.795	1.02
EC category industries		-	-	67.773	10.21
6.	Other non-EC category such as General Engineering, Automobile components, Electrical & Electronics, etc. as per the EIA Notification 2006 and its subsequent amendments	-	-	596.153	89.79
Total		-	-	663.926	100

8.0 The greenbelt percentage has been calculated based on the developable area of the industrial park which is 2053.44 acres (831.001 hectares), since this is the portion of the site where development activities has been carried out for the industrial park. Non-Developable area (Water bodies & Burial ground) is excluded & being maintained as is where is condition and not altered.

9.0 The total greenbelt area proposed within the industrial park is 788.37 acres (319.04 hectares), which is 38.39% of the developable area of 2053.44 acres (831.001 hectares) of the industrial park. The overall green belt is 34.26%.

S. No.	Description	Area (Acres)	Area (Ha)	% of Developable Area (2053.44 acres)
1.	35% of industrial plot area of 1640.590 acres	574.20	232.37	27.96%
2.	Greenbelt by SIPCOT	214.17	86.67	10.43%
	Total	788.37	319.04	38.39%

10. Individual industries will have their own Sewage Treatment Plants. Treated sewage will be recycled for green belt development as per CPCB/TNPCB guidelines. SIPCOT will monitor and ensure strict compliance on continuous basis.

11. The total EMP Cost is Rs. 4413.16 Lakhs(Capital Cost Rs.380.42 Lakhs and Recurring cost Rs.380.42 Lakhs) and as per the MoEF&CC Office Memorandum No. 22-65/2017-IA.III, dated 25.02.2021, SIPCOT will earmark 2 % of project cost i.e INR 920 lakhs towards CER activities.

12. Construction phase: Tentatively 80% completed and the balance 20% of the infra structure development works is estimated to be completed within 30.09.2026.

13. Integrated Regional Office, MoEF&CC, Chennai Monitored the above project and issued the Certified Environmental Compliance report vide letter no.EP/12.1/2016-17/14/TN/335 dated 27th February, 2025.

14. The EAC based on the information submitted and clarifications provided by the project proponent and after detailed discussions held on all the issues during 401st meeting of Expert Appraisal Committee held on 14th-15th May, 2025, recommended the project for grant of Environmental under 7(ii)(a) of the EIA notification, 2006 as amended subject to all specific conditions and Standard Conditions applicable for such projects.

15. The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other Miscellaneous projects) and hereby decided to grant of Environment Clearance under clause 7(ii)(a) of EIA Notification, 2006 w.r.t. change in type of project/activity as mentioned in the following table for the "Development of SIPCOT industrial park" in Cheyyar & Vembakkam Taluk, Tiruvannamalai District (Tamil Nadu) over an extent of 931.015 Ha by M/s State Industries Promotion Corporation of Tamil Nadu Limited with no change in the total area as per EC dated 30.09.2016.

Sl. No.	Type of Industries	Existing As per EC		Proposed EC Amendment	
		Plot Area in Ha	Percentage(%) of Industrial Plot Area	Plot Area in Ha	Tentative % of Industrial Plot Area
1.	3(a) – Metallurgical industries (ferrous & Non-Ferrous)	-	100	15.180	2.29
2.	5(k) – Induction/Arc Furnaces/Cupola Furnaces STPH, etc	-		-	-
3.	5(h) – Integrated Paint Industry	-		44.786	6.75
4.	5(i) – Synthetic Organic Chemical industries	-		1.012	0.15
5.	5(g(a)) – Grain based distilleries for Ethanol blended Petrol	-		6.795	1.02
EC category industries		-	100	67.773	10.21
6.	Other – non-EC category such as General Engineering, Automobile components, Electrical & Electronics, etc. as per the EIA Notification 2006 and its subsequent amendments	-	-	596.133	89.79
Total		-	100	663.926	100

16. The above amendment is subject to compliance of the conditions mentioned in Annexure - I

17. This issue with the approval of the Competent Authority.

Copy To

1. The Principal Secretary, Department of Environment, Climate Change and Forests Department, Government of Tamil Nadu, Environment, Climate Change and Forests Department Secretariat, Chennai-600 009, Tamil Nadu.
2. The Deputy Director General of Forests (Central), Ministry of Environment, Forest and Climate Change (MoEF&CC).

Integrated Regional Office Chennai, 1st Floor, Additional Office Block for GPOA, Shastri Bhawan, Haddows Road, Nungambakkam, Chennai-600 006, Tamil Nadu.

3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi –32.

4. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032, Tamil Nadu.

5. Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change (MoEF&CC), Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.

6. Parivesh Portal.

7. Guard File/ Monitoring File/ Record File.

Annexure I

Specific EC Conditions for (Industrial Estates/ Parks/ Complexes/ Areas, Export Processing Zones (Epzs), Special Economic Zones)

1. Specific Conditions

S. No	EC Conditions
1.1	The proponent has to comply with the Ministry's OM no. J-11011/321/2016-IA.II(I), dated 27.04.2018 which made it mandatory for certain types of industries to conduct public hearing irrespective of their location within the Industrial Area or outside the industrial area.
1.2	The proposed individual units need to take Environmental Clearance separately as per the applicability of the schedule of EIA Notification, 2006.
1.3	Project Proponent shall strive to enhance the Green Belt beyond 33% and that the trees planted in this regard would be planted under the campaign "एक पेड़ मी के नाम" and the details of the trees planted would be uploaded on the portal https://merilife.nic.in .
1.4	The PP shall construct a garland drain, with catch pits of appropriate capacity at an appropriate distance, all around the industrial estate and also around the water bodies falling within the project boundary to prevent runoff of any contaminants/ waste into the nearby water bodies. The garland drains shall be designed such that the runoff within the boundary of the industrial area is collected in the garland drains, which shall be treated appropriately, and conform to CPCB standards.
1.5	No sewage or untreated effluent water would be discharged through stormwater drains, drainage systems or the river is permitted throughout the duration of the project. The project developer (PP) must implement measures to monitor and ensure compliance with these conditions to prevent any significant flooding in areas adjacent to the project site.
1.6	All other terms and conditions mentioned in the EC vide letter no. F.No.21-181/2014-IA-III dated: 30.09.2016 shall remain unchanged.

Validity unknown

Digitally Signed by: Dr. Amardeep Raju
Member Secretary, MoEF&CC (EC)

Date: 16/07/2025

**PROCEEDINGS OF THE CHAIRMAN AND MANAGING
DIRECTOR, SIPCOT, CHENNAI-8**



PRESENT: THIRU N. SUNDARADEVAN, I.A.S.,
CHAIRMAN AND MANAGING DIRECTOR

Proc.No.CW/WS/CHY/2006, dated 11.12.2006

Sub: SIPCOT Industrial Park, Cheyyar - Providing
1 MGD water supply scheme from River Cheyyar -
Administrative approval accorded - Orders issued -
Regarding.

Ref: 1. Engineering Director, TWAD Board Lr.No.F.SIPCOT-
Cheyyar /AE6/P&D/2006, dt. 7.10.2006.

2. SIPCOT EMC Meeting dt. 12.10.2006.

1. The Engineering Director, TWAD Board has furnished the Detailed Project Report for providing 1 MGD water supply scheme from River Cheyyar for SIPCOT Industrial Complex, Cheyyar by tapping water through infiltration wells at a cost of Rs.840.00 lakhs.
2. The Expenditure Monitoring Committee of SIPCOT in its meeting held on 12.10.2006 has recommended to entrust the above said work to TWAD Board after deducting the provisions made for Generator, Compound wall, Chlorination etc. and reducing 100% standby to 25% at a cost of Rs.780.00 lakhs vide Annexure "A".
3. As per SIPCOT Circular No.2/2005, dt. 30.3.2005, the Chairman and Managing Director, SIPCOT is delegated with full powers for according administrative approval for all the civil and electrical works under the head of Capital works.
4. Accordingly, administrative approval is hereby accorded for Providing 1 MGD water supply scheme from River Cheyyar for SIPCOT Industrial park, Cheyyar by tapping water through infiltration wells at a cost of Rs.780.00 lakhs (Rupees Seven hundred and eighty lakhs only).

and TWAD Board will accord technical sanction for this estimate.

6. On completion, TWAD Board will hand over the scheme to SIPCOT Industrial Park, Cheyyar for maintenance.

Encl: Annexure "A"

Sd/-
N. SUNDARADEVAN
CHAIRMAN & MANAGING DIRECTOR
SIPCOT, CHENNAI - 8

To

The Managing Director
TWAD Board
Chepauk
Chennai-6

Copy to:

The Engineering Director
TWAD Board
Chepauk
Chennai - 5.

The Chief Engineer
TWAD Board
Vellore

The Superintending Engineer
TWAD Board
V.T. Circle
Vellore

GM(P&SPL.) i/c. SIPCOT

AGM(F), SIPCOT

The Project Officer i/c.,
SIPCOT Industrial Complex,
RANIPET.


12/12/66
For CHAIRMAN & MANAGING DIRECTOR
SIPCOT, CHENNAI - 8



TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD

From

Er K.Nithyanandan, M.E.,
Executive Engineer, TWAD Board,
Project Formulation Division
No.3, 6th Street, Gopalapuram
Vellore-632006.
E-mail : eepfdnvlr6@gmail.com

To

Executive Engineer,
PWD, WRO,
Middle Pennaiyar Basin
Division,
Tiruvannamalai.

செய்த் பெற்றியாள் அலுவலகம் த.வ.த. திருவன்னாமலை.	
செ.பொ.	26/2
செ.நி.	26/2
செ.மு.உ.	
செ.க.அ.	
செ.க.ந.	26.2.24
செ.க.ப.	26/2/24

Lr.No.192/ F. SIPCOT Cheyyar/DO/PF Dn/Vlr/2024/Dt. 19.02.2024.

Sir,

Sub: TWAD Board, - Project Formulation Division, Vellore - Providing 1.62 MLD (Including 10% Transmission loss) of Water supply to SIPCOT, Cheyyar in Tiruvannamalai District - Permission for drawal of 1.62 MLD water from Cheyyar river - Requested- Regarding.

Ref: 1. SIPCOT Cheyyar, Tiruvannamalai Dt, EoDB / TWAD, Application No:TWAD20200304, Dated 10.08.2020.
2. SIPCOT Cheyyar, Tiruvannamalai Dt.26.09.2020.
3. SE/ TWAD/ Vlr-Tvm Circle/ Vellore Lr.No.1032/F.SIPCOT, Phase-II (Cheyyar)/T1 /VTC/ VLR/2023/dt: 25.08.2023.

=====

I wish to inform that, SIPCOT has an Industrial Complex at Cheyyar and is located at Mangal koot road which is 15km from Cheyyar and 14 Km from Kancheepuram and 27 Km from Vandavasi. SIPCOT, Cheyyar Industrial park consists of Phase-I (619.09 Acres) and Phase-II (320.10 Acres). At present 4.50 MLD WSS (Phase I) is functioning with Infiltration well (7 Nos) source in Cheyyar river at Akkur village.

SIPCOT has stated that considering further developments in SIPCOT, Cheyyar Phase-I & II, has requested for an additional quantity of 4.50 MLD of water and registered their request through the online web portal of TWAD Board on 10.08.2020 vide reference 1st cited.

SIPCOT has remitted an amount of Rs. 11.00 Lakhs to TWAD Board towards the upfront amount for taking up investigation vide reference 2nd cited.

The Deputy Hydrogeologist, TWAD Board, Vellore - Tiruvannamalai circle - Vellore has conducted detailed hydrogeological investigation and vide reference 3rd cited reported that, out of 4.5MLD as requested by SIPCOT Cheyyar 1.62 MLD (including 10% Transmission loss) of water can be tapped by creating 3 Nos of Infiltration wells in River Cheyyar at Akkur.

A detailed project report for providing 1.62 MLD (Including 10% Transmission loss) water supply to SIPCOT Cheyyar has been prepared and the State Level Technical Committee (SLTC) of TWAD Board in its meeting held on 23.01.2024 has cleared the proposal.

Hence, I request that necessary permission may please be obtained from the competent authority for drawal of 1.62 MLD of water from Cheyyar river so as to take up the scheme for implementation.

Further, I am to state that, the Royalty Charges may be paid by the TWAD Board which may be collected from SIPCOT authorities.


Executive Engineer, TWAD Board,
Project Formulation Division, Vellore-G.

Copy submitted to the District Collector, Tiruvannamalai for favour of information.

Copy submitted to the Chief Engineer, TWAD Board, Vellore for favour of information.

Copy submitted to the Superintending Engineer, TWAD Board, Vellore - Tiruvannamalai circle, Vellore for favour of information.

Copy submitted to the Superintending Engineer, PWD, WRO, Pennaiyar Basin Circle, Thiruvannamalai for favour of information.

Copy to the Assistant Executive Engineer, RWS Division, Tiruvannamalai for follow up action.

Category of the Industry :

RED



CONSENT ORDER NO. 2201212372473 DATED: 31/05/2022.

PROCEEDINGS NO.T4/TNPCB/F.0663TVM/RL/TVM/A/2022 DATED: 31/05/2022

SUB: TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK, CHEYYAR, S.F. No. 1 to 34,161,163,164 Pt,165 to 198 of Kunnavakkam Village, 222, 223, 225 to 228, 230 to 243, 253 & 255 of Karanai Village, 58 to 70, 285, 288 to 306, 315 to 359 of Mahajanapakkam Village, Cheyyar Taluk, 2, 5A & B, 6 to 10, 12B, 15 A & B, 16 A to C, 17 to 32, 122 (except 13,17), 123 to 139, 140 A & B, 141, 151, 204, 205, 239 to 242, 244 to 250, 410,411,416,417 & 419 & 420 of Sholavaram Village, 2 to 12, 13A, 42 to 47, 54 & 91 of Chellaperumbulimedu Village, 1 to 5, 6A & B, 7, 8, 9A to D, 10 to 12, 13 A & B, 14 A & B, 15,16, 17 A & B, 18, 19A to C, 20, 21A & B, 22 A & B, 23B4 to B6, C, D, 24, 25A,26 to 34, 35 Part, 36 to 44, 47 to 54, 56, 57, 69 to 71, 74 to 76, 81 to 84, 139, 140, 146 & 147 of Perumbulimedu Village, 147 to 169, 170/1B2 to 1B5, 170/2pt, 3 pt & 4A1, 179/1, 2A to 2C, 3A to 3E, 4A to 4C, 180 to 182, 183/1, 2 pt, 3, 184 to 190, 191A, 192, 193, 194A, 371 to 376 of Mathur Village, 1, 2, 58A, 61A, 191, 218 & 219 of Mangal Village, 1A, 1B,2, 3, 4A & B, 5, 6A & B, 7A & B, 8A (except 8A/5), 11,12/1C, 2, 3pt, 4C1 to 4C9, 13 to 20, 22, 23 pt(except 6A,6B), 24/1 pt to 3 pt, 26 to 30 of Alinjalpattu Village, 1 to 3, 8, 19 & 21 of , UKKAMPERUMBAKKAM village, Vembakkam Taluk and Tiruvannamalai District - for the establishment or take steps to establish the industry under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987(Central Act. 14 of 1981)-Issued -Reg.

REF: 1.Unit's application no. 12372473 dated 24.09.2020
2.IR.No : F.0663TVM/RL/AE/TVM/2020 dated 18/12/2022
3.Minutes of the 197th TSC meeting vide item no. 197-3 dated:25.05.2022.

Consent to establish or take steps to establish is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act,1981, as amended in 1987 and the Rules and Orders made there under to

The Managing Director,

M/s . SIPCOT INDUSTRIAL PARK, CHEYYAR

S.F No.1 to 34,161,163,164 Pt,165 to 198 of Kunnavakkam Village, 222, 223, 225 to 228, 230 to 243, 253 & 255 of Karanai Village, 58 to 70, 285, 288 to 306, 315 to 359 of Mahajanapakkam Village, Cheyyar Taluk, 2, 5A & B, 6 to 10, 12B, 15 A & B, 16 A to C, 17 to 32, 122 (except 13,17), 123 to 139, 140 A & B, 141, 151, 204, 205, 239 to 242, 244 to 250, 410,411,416,417 & 419 & 420 of Sholavaram Village, 2 to 12, 13A, 42 to 47, 54 & 91 of Chellaperumbulimedu Village, 1 to 5, 6A & B, 7, 8, 9A to D, 10 to 12, 13 A & B, 14 A & B, 15,16, 17 A & B, 18, 19A to C, 20, 21A & B, 22 A & B, 23B4 to B6, C, D, 24, 25A,26 to 34, 35 Part, 36 to 44, 47 to 54, 56, 57, 69 to 71, 74 to 76, 81 to 84, 139, 140, 146 & 147 of Perumbulimedu Village, 147 to 169, 170/1B2 to 1B5, 170/2pt, 3 pt & 4A1, 179/1, 2A to 2C, 3A to 3E, 4A to 4C, 180 to 182, 183/1, 2 pt, 3, 184 to 190, 191A, 192, 193, 194A, 371 to 376 of Mathur Village, 1, 2, 58A, 61A, 191, 218 & 219 of Mangal Village, 1A, 1B,2, 3, 4A & B, 5, 6A & B, 7A & B, 8A (except 8A/5), 11,12/1C, 2, 3pt, 4C1 to 4C9, 13 to 20, 22, 23 pt(except 6A,6B), 24/1 pt to 3 pt, 26 to 30 of Alinjalpattu Village, 1 to 3, 8, 19 & 21 of

UKKAMPERUMBAKKAM Village,

Vembakkam Taluk,

Tiruvannamalai District.

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

S.F No. 1 to 34,161,163,164 Pt,165 to 198 of Kunnavakkam Village, 222, 223, 225 to 228, 230 to 243, 253 & 255 of Karanai Village, 58 to 70, 285, 288 to 306, 315 to 359 of Mahajanapakkam Village, Cheyyar Taluk, 2, 5A & B, 6 to 10, 12B, 15 A &

B, 16 A to C, 17 to 32, 122 (except 13,17), 123 to 139, 140 A & B, 141, 151, 204, 205, 239 to 242, 244 to 250, 410,411,416,417 & 419 & 420 of Sholavaram Village, 2 to 12, 13A, 42 to 47, 54 & 91 of Chellaperumbulimedu Village, 1 to 5, 6A & B, 7, 8, 9A to D, 10 to 12, 13 A & B, 14 A & B, 15,16, 17 A & B, 18, 19A to C, 20, 21A & B, 22 A & B, 23B4 to B6, C, D, 24, 25A,26 to 34, 35 Part, 36 to 44, 47 to 54, 56, 57, 69 to 71, 74 to 76, 81 to 84, 139, 140, 146 & 147 of Perumbulimedu Village, 147 to 169, 170/1B2 to 1B5, 170/2pt, 3 pt & 4A1, 179/1, 2A to 2C, 3A to 3E, 4A to 4C, 180 to 182, 183/1, 2 pt, 3, 184 to 190, 191A, 192, 193, 194A, 371 to 376 of Mathur Village, 1, 2, 58A, 61A, 191, 218 & 219 of Mangal Village, 1A, 1B,2, 3, 4A & B, 5, 6A & B, 7A & B, 8A (except 8A/5), 11,12/1C, 2, 3pt, 4C1 to 4C9, 13 to 20, 22, 23 pt(except 6A,6B), 24/1 pt to 3 pt, 26 to 30 of Alinjalpattu Village, 1 to 3, 8, 19 & 21 of

UKKAMPERUMBAKKAM Village,
Vembakkam Taluk,
Tiruvannamalai District.

This Consent to establish is valid upto **September 29, 2026**, or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

**RATNAM
VIJAYABASKARAN**

Digitally signed by RATNAM
VIJAYABASKARAN
Date: 2022.06.01 12:05:59 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
The Managing Director,
M/s.SIPCOT INDUSTRIAL PARK, CHEYYAR,
State Industries Promotion Corporation of Tamilnadu Limited, 19-A, Rukmani Lakshmipathy Road, Post Box No. 7223, Egmore,
Chennai

Pin: 600008

Copy to:

- 1.The Commissioner, VEMBAKKAM-Panchayat Union, Vembakkam Taluk, Tiruvannamalai District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THIRUVANNAMALAI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.
4. File

SPECIAL CONDITIONS

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

SL No.	Description	Quantity	Unit
Product Details			
1.	Development of Industrial Park to accommodate industrial units namely Metallurgical Industries -3(a) and Induction/Arc Furnaces/Cupola Furnaces 5 TPH or more- 5(k) as per EIA Notification 2006	931.015	Hectares

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

I	Point source emission with stack :			
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm³/hr
II	Fugitive/Noise emission :			
SL No.	Fugitive or Noise Emission sources	Type of emission	Control measures	

3. **Special Additional Conditions:**

- i. The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.
- ii. The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

4. **Additional Conditions:**

1. The unit shall house Industrial Units as per Environmental Clearance issued by MoEF & CC vide F.No. 21-181/2014 IA-III dated 30.09.2016 in an area of 746.36 ha. (1844.3 acres) earmarked within the SIPCOT Industrial Park Cheyyar as assured in letter dated: 01.02.2022 and Non EC category industries excluding 14 types of highly polluting industries as specified in Annexure I of GO Ms. No 213 dated 30.03.1989 from Dusi Mamandur Lake as Annexure II of the Said GO in an area earmarked as 184.64 ha. (456.26 acres).
2. The unit shall comply with the conditions as stipulated in the Environmental Clearance obtained from MoEF & CC vide F.No. 21-181/2014 IA-III dated 30.09.2016.
3. In accordance with Item No.9 of the EIA Notification, 2006, the unit shall possess valid EC while applying for CTE/ CTO of the Board.
4. In accordance with Item No.11 of the EIA Notification, 2006, any new industry shall obtain NOC from MoEF/ SEIAA in the event of transfer of original EC in a different name.
5. The unit shall obtain prior Environmental Clearance as per EIA Notification, 2006, if any EC attracting units are housed inside the premises.
6. The unit shall ensure that no process emission is let out from its activity.
7. The unit shall conduct Ambient Noise level survey report and Ambient Air Quality survey report for base line data to assess the quality of Ambient Air and Ambient Noise level and submit the report within one month's time.
8. The SIPCOT shall ensure that the allotted units are mandated that all the member industries to develop green belt in 35% of their allotted area.
9. The unit shall allot 5% of the total plot area (931.015 Hectares) for Solid Waste Management.
10. The unit shall ensure that the actual occupying units obtain consent from the TNPCB separately for their establishment & operation and should have valid consent of the Board for their activity.
11. The unit shall remit consent fee in case of revision by the Government.
12. This consent order does not absolve from obtaining necessary permission / Clearance from other Authority or under other statutes as applicable.

RATNAM
VJAYABASKARAN

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VJAYABASKARAN
Date: 2022.06.01 12:06:31 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

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

**RATNAM
VIJAYABASKARAN**

Digitally signed by RATNAM
VIJAYABASKARAN
Date: 2022.06.01 12:06:56 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Category of the Industry :

RED



CONSENT ORDER NO. 2201112372473 DATED: 31/05/2022.

PROCEEDINGS NO.T4/TNPCB/F.0663TVM/RL//TVM/W/2022 DATED: 31/05/2022

SUB: TNPC Board-Consent for Establishment-M/S SIPCOT INDUSTRIAL PARK, CHEYYAR S.F No. 1 to 34,161,163,164 Pt,165 to 198 of Kunnavakkam Village, 222, 223, 225 to 228, 230 to 243, 253 & 255 of Karanai Village, 58 to 70, 285, 288 to 306, 315 to 359 of Mahajanapakkam Village, Cheyyar Taluk, 2, 5A & B, 6 to 10, 12B, 15 A & B, 16 A to C, 17 to 32, 122 (except 13,17), 123 to 139, 140 A & B, 141, 151, 204, 205, 239 to 242, 244 to 250, 410,411,416,417 & 419 & 420 of Sholavaram Village, 2 to 12, 13A, 42 to 47, 54 & 91 of Chellaperumbulimedu Village, 1 to 5, 6A & B, 7, 8, 9A to D, 10 to 12, 13 A & B, 14 A & B, 15,16, 17 A & B, 18, 19A to C, 20, 21A & B, 22 A & B, 23B4 to B6, C, D, 24, 25A,26 to 34, 35 Part, 36 to 44, 47 to 54, 56, 57, 69 to 71, 74 to76, 81 to 84, 139, 140, 146 & 147 of Perumbulimedu Village, 147 to 169, 170/1B2 to 1B5, 170/2pt, 3 pt & 4A1, 179/1, 2A to 2C, 3A to 3E, 4A to 4C, 180 to 182, 183/1, 2 pt, 3, 184 to 190, 191A, 192, 193, 194A, 371 to 376 of Mathur Village, 1, 2, 58A, 61A, 191, 218 & 219 of Mangal Village, 1A, 1B,2, 3, 4A & B, 5, 6A & B, 7A & B, 8A (except 8A/5), 11,12/1C, 2, 3pt, 4C1 to 4C9, 13 to 20, 22, 23 pt(except 6A,6B), 24/1 pt to 3 pt, 26 to 30 of Alinjalpattu Village, 1 to 3, 8, 19 & 21 of UKKAMPERUMBAKKAM Village, Vembakkam Taluk, Tiruvannamalai District - for the establishment or take steps to establish the industry under Section 25 of the Water (Prevention and control of Pollution)Act,1974, as amended in 1988(Central Act 6 of 1974)- Issued- Reg.

REF: 1.Unit's application no. 12372473 dated 24.09.2020
2.IR.No : F.0663TVM/RL/AE/TVM/2020 dated 18/12/2022
3.Minutes of the 197th TSC meeting vide item no. 197-3 dated:25.05.2022.

Consent to establish or take steps to establish is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act,1974, as amended in 1988(Central Act 6 of 1974) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The Managing Director,
SIPCOT INDUSTRIAL PARK, CHEYYAR

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

S.F. No.1 to 34,161,163,164 Pt,165 to 198 of Kunnavakkam Village, 222, 223, 225 to 228, 230 to 243, 253 & 255 of Karanai Village, 58 to 70, 285, 288 to 306, 315 to 359 of Mahajanapakkam Village, Cheyyar Taluk, 2, 5A & B, 6 to 10, 12B, 15 A & B, 16 A to C, 17 to 32, 122 (except 13,17), 123 to 139, 140 A & B, 141, 151, 204, 205, 239 to 242, 244 to 250, 410,411,416,417 & 419 & 420 of Sholavaram Village, 2 to 12, 13A, 42 to 47, 54 & 91 of Chellaperumbulimedu Village, 1 to 5, 6A & B, 7, 8, 9A to D, 10 to 12, 13 A & B, 14 A & B, 15,16, 17 A & B, 18, 19A to C, 20, 21A & B, 22 A & B, 23B4 to B6, C, D, 24, 25A,26 to 34, 35 Part, 36 to 44, 47 to 54, 56, 57, 69 to 71, 74 to76, 81 to 84, 139, 140, 146 & 147 of Perumbulimedu Village, 147 to 169, 170/1B2 to 1B5, 170/2pt, 3 pt & 4A1, 179/1, 2A to 2C, 3A to 3E, 4A to 4C, 180 to 182, 183/1, 2 pt, 3, 184 to 190, 191A, 192, 193, 194A, 371 to 376 of Mathur Village, 1, 2, 58A, 61A, 191, 218 & 219 of Mangal Village, 1A, 1B,2, 3, 4A & B, 5, 6A & B, 7A & B, 8A (except 8A/5), 11,12/1C, 2, 3pt, 4C1 to 4C9, 13 to 20, 22, 23 pt(except 6A,6B), 24/1 pt to 3 pt, 26 to 30 of Alinjalpattu Village, 1 to 3, 8, 19 & 21 of

UKKAMPERUMBAKKAM Village,
Vembakkam Taluk,
Tiruvannamalai District.

This Consent to establish is valid upto **September 29, 2026**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

RATNAM VUJAYABASKARAN

Digitally signed by RATNAM
VUJAYABASKARAN
Date: 2022.06.01 12:08:27 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To

The Managing Director,

M/s: SIPCOT INDUSTRIAL PARK, CHEYYAR,

State Industries Promotion Corporation of Tamilnadu Limited, 19-A, Rukmani Lakshmi pathy Road, Post Box No. 7223, Egmore,
Chennai

;

Pin: 600008

Copy to:

1. The Commissioner, VEMBAKKAM-Panchayat Union, Vembakkam Taluk, Tiruvannamalai District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, THIRUVANNAMALAI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.
4. File

SPECIAL CONDITIONS

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

SL No.	Description	Quantity	Unit
Product Details			
1.	Development of Industrial Park to accommodate industrial units namely Metallurgical Industries -3(a) and Induction/Arc Furnaces/Cupola Furnaces 5 TPH or more- 5(k) as per EIA Notification 2006	931.015	Hectares

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

a Sewage Treatment Plant:			
Treatment status: Septic Tank and SP/DT			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Septic Tank	1	4.2 x 2.95 x 2.72
2.	Soak Pit	1	1.0 x 1.0 x 1.0
b Effluent Treatment Plant:			
Treatment status: No trade effluent and hence does not arise			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.			

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

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	1.27	SIPCOT own land
Effluent Type : Trade Effluent			

4. **Special Additional Conditions:**
The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.
5. **Additional Conditions:**

1. The unit shall house Industrial units as per Environmental Clearance issued by MoEF & CC vide F.No. 21-181/2014 IA-III dated 30.09.2016 in an area of 746.36 ha. (1844.3 acres) earmarked within the SIPCOT Industrial Park Cheyyar as assured in letter dated: 01.02.2022 and Non EC category industries excluding 14 types of highly polluting industries as specified in Annexure I of GO Ms. No 213 dated 30.03.1989 from Dusi Mamandur Lake as Annexure II of the Said GO in an area earmarked as 184.64 ha. (456.26 acres).
2. The unit shall comply with the conditions as stipulated in the Environmental Clearance obtained from MoEF & CC vide F.No. 21-181/2014 IA-III dated 30.09.2016.
3. The issue of CTE to the project shall not be construed as CTO and shall not commission the project without obtaining CTO from the Board.
4. The unit shall start its establishment activities only after getting the necessary project/building approvals from the competent authorities.
5. In accordance with Item No.9 of the EIA Notification, 2006, the unit shall possess valid EC while applying for CTE/ CTO of the Board.
6. In accordance with Item No.11 of the EIA Notification, 2006, any new industry shall obtain NOC from MoEF/ SEIAA in the event of transfer of original EC in a different name.
7. The unit shall obtain prior Environmental Clearance as per EIA Notification, 2006, if any EC attracting units are housed inside the premises.
8. This consent order does not absolve from obtaining necessary permission / Clearance from other Authority or under other statutes as applicable.
9. The unit shall obtain necessary clearances from the appropriate authorities for the stability of all the structures and ETP/ STP.
10. The unit shall submit baseline data for ground water to assess the quality of ground water for 1 KM radius outside the boundary of the project and also inside available open wells within a month's time.
11. The unit has to ensure that all the member Industries within the industrial Park shall make their own arrangements to achieve zero discharge of the trade effluents, solid waste & E waste management, gaseous emission and noise control measures to achieve the standards prescribed by the TNPCB.
12. The unit shall obtain the necessary permission / NOC of water supply from the TWAD Board / competent Authority.
13. The unit shall provide septic tank followed by soak pit to treat the sewage generated from SIPCOT administrative building, so as to achieve the standards prescribed by the Board.
14. The unit shall ensure that the allotted industrial units obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
15. The SIPCOT shall house industries in the industrial park in compliance to the provisions of G.O.Ms.No.213 of Environment and Forest (EC-I) Department dated 30.03.1989 and G.O.Ms.No.127 of Environment and Forest (EC-3) Department dated 08.05.1998.
16. The SIPCOT shall ensure that the allotted units are mandated to implement own sewage treatment system for treating and disposing the sewage and shall ensure that no treated / untreated sewage shall gain access outside the unit premises on land / water source under any circumstances.
17. The unit shall allot 5% of the total plot area (931.015 Hectares) for Solid Waste Management.
18. The SIPCOT shall ensure that the allotted units not dig any well or bore well inside their premises for drawing of ground water.
19. The SIPCOT shall ensure that the allotted units are mandated that the water courses/pathai leading to the Water bodies located in the surroundings will not be disturbed and in this regard a condition shall be imposed in the allotment order to the member units.
20. The proponent shall provide Rain Water Harvesting pits so as to recharge the ground water table.
21. The bio degradable solid waste, non bio degradable solid waste, STP sludge, etc generated from the project activity shall be properly collected, segregated and disposed as per the provision of Solid waste(Management and Handling) Rules,2016.
22. The plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management and Handling) Rules, 2016.
23. The unit shall adopt safe and environment friendly management practices within the premises.
24. The unit shall provide solar powered lights for illumination of common areas, lighting for gardens and street lighting.
25. The unit shall earmark the buffer zone all around the periphery of the layout.
26. The unit shall ensure that the actual occupying units obtain consent from the TNPCB separately for their establishment & operation and should have valid consent of the Board for their activity.
27. The unit shall comply with the E- waste Management Rules, 2016. E-waste as listed in Schedule – I generated by them shall be channelized through collection centre or dealer of authorized producer or dismantler or recycler or through the designated take back service provider of the producer to authorized dismantler or recycler. The unit shall maintain records of e- waste generated by them in Form – 2 and make such records available for scrutiny by the TNPCB. The unit shall file annual returns in Form -3, to the TNPCB on or before the 30th day of June following the financial year.
28. The unit shall remit consent fee in case of revision by the Government.

**RATNAM
VIJAYABASKARAN**

Digitally signed by RATNAM
VIJAYABASKARAN
Date: 2022.06.01 14:00:45 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

GENERAL CONDITIONS

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

RATNAM
VIJAYABASKARAN

Digitally signed by RATNAM
VIJAYABASKARAN
Date: 2022.06.01 14:01:12 +05'30'

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

No.80, 7th Cross Street, Santhosh Nagar, Puthagaram,
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(Accredited by NABL, Recognized by MoEF, ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 Certified Organization)

TEST REPORT

Job No. 583/25-26 ULR No. TC1S13126000000941F Report Date 07.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s SIPCOT Limited,	
Customer Address	: Cheyyar	
Sample Drawn by	: LES	
Date of Monitoring	: 27.02.2026 & 28.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location :Project Area		Temperature :32.0°C
Sample Code	: LES2602475	Humidity :67%
Sample Received On	:28.02.2026	Report Number :LES0941
Test Commenced On	:01.03.2026	Test Completed On :07.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	21.4	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	86.8	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	7.9	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	9.5	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report

1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

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



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TEST REPORT

Job No. 583/25-26 ULR No. TC151312600000942F Report Date 07.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Cheyyar	
Sample Drawn by	: LES	
Date of Monitoring	: 27.02.2026 & 28.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	: Menallur	Temperature : 32.0°C
Sample Code	: LES2602476	Humidity : 66%
Sample Received On	: 28.02.2026	Report Number : LES0942
Test Commenced On	: 01.03.2026	Test Completed On : 07.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m ³	21.1	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	85.8	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	7.6	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	11.3	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

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TEST REPORT

Job No.	583/25-26	ULR No.	TC151312600000943F	Report Date	07.03.2026
Sample Description	: Ambient Air Quality				
Customer Name	: M/s.SIPCOT Limited,				
Customer Address	: Cheyyar				
Sample Drawn by	: LES				
Date of Monitoring	: 27.02.2026 & 28.02.2026		Sampling Method	: LES/EN/GEN/SOP/002	
Location	:Ukkamperumbakkam		Temperature	:32.0°C	
Sample Code	: LES2602477		Humidity	:66%	
Sample Received On	:28.02.2026		Report Number	:LES0943	
Test Commenced On	:01.03.2026		Test Completed On	:07.03.2026	

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m³	19.5	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m³	78.5	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m³	7.3	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m³	9.7	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

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TEST REPORT

Job No. 583/25-26 ULR No. TC151312600000944F Report Date 07.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Cheyyar	
Sample Drawn by	: LES	
Date of Monitoring	: 27.02.2026 & 28.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	:Thiruppanamoor	Temperature :32.0°C
Sample Code	: LES2602478	Humidity :70%
Sample Received On	:28.02.2026	Report Number :LES0944
Test Commenced On	:01.03.2026	Test Completed On :07.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m³	22.5	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m³	85.0	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1-2023	µg/m³	10.8	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m³	11.3	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.

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

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Quality Manager

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TEST REPORT

Job No.	583/25-26	ULR No.	TC151312600000945F	Report Date	07.03.2026
Sample Description	: Ambient Air Quality				
Customer Name	: M/s.SIPCOT Limited,				
Customer Address	: Cheyyar				
Sample Drawn by	: LES				
Date of Monitoring	: 27.02.2026 & 28.02.2026		Sampling Method	: LES/EN/GEN/SOP/002	
Location	: Sumangali		Temperature	: 31.0°C	
Sample Code	: LES2602479		Humidity	: 66%	
Sample Received On	: 28.02.2026		Report Number	: LES0945	
Test Commenced On	: 01.03.2026		Test Completed On	: 07.03.2026	

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m³	19.0	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m³	86.1	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m³	9.2	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NO _x	IS:5182 (Part-6)2006	µg/m³	10.0	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.

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Note: BLQ – Below Limit of Quantification
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TEST REPORT

Job No. 583/25-26 ULR No. TC151312600000946F Report Date 07.03.2026

Sample Description : Ambient Noise Levels
Customer Name : M/s.SIPCOT Limited,
Customer Address : Cheyyar
Sample Drawn by : LES
Date of Monitoring : 28.02.2026
Sample Code : LES2602480
Test Commenced On : 01.03.2026
Report Number : LES0946

Sampling Method : LES/EN/GEN/SOP/006
Test Method : IS: 9989-1981
Sample Received On : 28.02.2026
Test Completed On : 07.03.2026

S.No	Location	Noise Level – Day Time			Noise Level – Night Time		
		Min dB(A)	Max dB(A)	Leq	Min dB(A)	Max dB(A)	Leq
1.	Project Area	42.8	52.4	48.4	36.5	43.1	39.8
2.	Menallur	42.2	52.5	47.6	38.9	42.7	41.1
3.	Ukkamperumbakkam	47.4	51.7	49.4	39.5	43.6	41.4
4.	Thiruppanamoor	40.8	51.9	46.8	38.3	42.1	40.1
5.	Sumangali	44.6	49.6	47.2	39.1	43.8	41.5
LIMITS – INDUSTRIAL AREA		Day Time - Max		75 dB(A)	Night Time - Max		70 dB(A)
LIMITS – RESIDENTIAL AREA		Day Time - Max		55 dB(A)	Night Time - Max		45 dB(A)

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

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

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TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000947F Report Date 20.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602481	Sample Condition : Clear Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Project Area	Report Number: LES0947

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	10	5	15
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)	1	5
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	753	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.27	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	15.77	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	26	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	73.88	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05



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TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000947F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	149.07	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	200	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	425.83	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	249.6	200	600
26.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ (LOQ:1.0)	---	---
27.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	86.59	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	11.86	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	3.53	---	---
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	425.83	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	1176	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	41.59	---	---
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	0.2	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.3	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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Quality Manager

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TEST REPORT

Job No. 583/25-26 Report No. 26000000947 Report Date 07.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602481	Sample Condition : Clear Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
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

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TEST REPORT

Job No. 534/25-26 ULR No. TC151312600000948F Report Date 20.02.2026

Sample Description: Ground Water	
Customer Name: M/s. SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602482	Sample Condition : Clear Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Menallur	Report Number: LES0948

S.N o	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	10	5	15
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)	1	5
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	588	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.33	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	35.58	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	12	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	124.47	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B-B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E-2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05

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TEST REPORT

Job No. 534/25-26 ULR No. TC1513126000000948F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	91.6	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	145	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	333.33	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	457.6	200	600
26.	Total Suspended Solids	IS:3025 (Part-17)2022	mg/L	BLQ (LOQ:1.0)	---	---
27.	Sodium as Na	IS:3025 (Part-45)1993	mg/L	75.26	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	10.31	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-2.47	---	---
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	333.33	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	918	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	25.82	---	---
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	0.06	---	---
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

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

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Authorized Signatory

U. ANBARASAN
Quality Manager

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TEST REPORT

Job No. 583/25-26 Report No. 1513126000000948 Report Date 07.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602482	Sample Condition : Clear Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Menallur	

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

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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TEST REPORT

Job No. 534/25-26 ULR No. TC151312600000949F Report Date 20.02.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602483	Sample Condition : Clear Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Ukkamperumbakkam	Report Number: LES0949

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Color	IS:3025 (Part-4)2021	Hazen	10	5	15
2.	Turbidity	IS:3025 (Part-10)2023	NTU	BLQ (LOQ:0.5)	1	5
3.	Total Dissolved Solids	IS:3025 (Part-16)2023	mg/L	381	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.9	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	18.42	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	12	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	81.99	75	200
11.	Iron as Fe	IS:3025 (Part-53)2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05

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TEST REPORT

Job No. 534/25-26 ULR No. TC151312600000949F Report Date 20.02.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	72.32	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	72	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	210.83	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	280.8	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	47.24	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	6.8	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-1.39	---	---
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	210.83	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	μs/cm	595	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	26.22	---	---
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	0.09	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.7	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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U. ANBARASAN
Quality Manager

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TEST REPORT

Job No. 583/25-26 Report No. 26000000949 Report Date 07.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602483	Sample Condition : Clear Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Ukkamperumbakkam	

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
1.	Lead as Pb	APHA 24 th Edition 2023 3111 - 8	mg/L	BLQ (LOQ:0.01)	0.01	0.01
2.	Cadmium as Cd	APHA 24 th Edition 2023 3111 - 8	mg/L	BLQ (LOQ:0.001)	0.003	0.003
3.	Total Chromium as Cr	APHA 24 th Edition 2023 3111 - 8	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

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



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TEST REPORT

Job No. **583/25-26** ULR No. **TC151312600000950F** Report Date **07.03.2026**

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602484	Sample Condition : Slightly Turbid Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Mamandur Lake	Report Number: LES0950

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	332
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.85
5.	Free Ammonia as NH3	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)
6.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	10
7.	Nitrate as NO3	APHA 24th Edition 2023 4500 NO3-B	mg/L	3.6
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	38
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	126
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)

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TEST REPORT

Job No. 583/25-26 ULR No. TC151312600000950F Report Date 07.03.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	38
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	127
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	135
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	64
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	12
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	597
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	0.52
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.5

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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U. ANBARASAN
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TEST REPORT

Job No. 583/25-26 Report No. 1513126000000950 Report Date 07.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602484	Sample Condition : Slightly Turbid Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Mamandur Lake	

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	-0.18
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	47.9
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	127

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



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TEST REPORT

Job No. 583/25-26 ULR No. TC151312600000951F Report Date 07.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602485	Sample Condition : Slightly Turbid Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Lake Near Pandiyapuram	Report Number: LES0951

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	160
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.55
5.	Free Ammonia as NH3	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)
6.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	4.22
7.	Nitrate as NO3	APHA 24th Edition 2023 4500 NO3-B	mg/L	3.2
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	26.91
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	17.36
19.	Fluoride as F	APHA 24th Edition 2023 4500 F D	mg/L	BLQ(LOQ:0.2)

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TEST REPORT

Job No. **583/25-26** ULR No. **TC151312600000951F** Report Date **07.03.2026**

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO_4	APHA 24 th Edition 2023 4500 SO4 E	mg/L	24
21.	Phenolic Compound as C_6H_5OH	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	51.2
23.	Total Hardness as $CaCO_3$	IS:3025 (Part-21)2009	mg/L	87.36
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	43.2
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	4.32
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	$\mu S/cm$	250
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	0.82
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.8

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TEST REPORT

Job No. **583/25-26** Report No. **151312600000951** Report Date **07.03.2026**

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602485	Sample Condition : Slightly Turbid Liquid
Sampling Date : 28.02.2026	Sample Received On: 28.02.2026
Test Commenced On: 01.03.2026	Test Completed On: 07.03.2026
Sampling Location : Lake Near Pandiyapuram	

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	-0.67
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	51.06
8.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E-2023	mg/L	BLQ (LOQ:0.01)
9.	Anionic Detergents as MBAS	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)
10.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ(LOQ:2.0)
11.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	51.2

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Quality Manager

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TEST REPORT

Job No: 583/25-26 ULR No: TC151312600000952F Report Date: 07.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602486	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Project Area	Report Number: LES0952

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.56
2.	Electrical Conductivity @25°C	IS-14767:2000	µs/cm	301.6
3.	Total Sand	AES/EN/SLS/SOP/017	%	54
4.	Silt	AES/EN/SLS/SOP/017	%	12
5.	Clay	AES/EN/SLS/SOP/017	%	30
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.31
7.	Moisture	IS 2720 (Part - 2)1973	%	6
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	141
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.96
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.65
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	15.68
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	185
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	21.6
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	5.6
15.	Cation Exchange Capacity	EPA 90B1:1986	meq/100g	5.6
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	31.2
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	27.5
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.9
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17.3
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	2.7
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.3

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TEST REPORT

Job No.	583/25-26	Report No.	26000000952	Report Date	07.03.2026
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Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602486	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Project Area	

S.No	Description	Method of Reference	Units	Results
1.	Soil Texture	LES/EN/SLS/SOP/030	---	Clay Loam
2.	Infiltration Rate	LES/EN/SLS/SOP/031	cm/hr	1.6
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

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TEST REPORT

Job No. **583/25-26** ULR No. **TC151312600000953F** Report Date **07.03.2026**

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LE52602487	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Menallur	Report Number: LES0953

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	7.48
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	288.9
3.	Total Sand	AES/EN/SL5/SOP/017	%	54
4.	Silt	AES/EN/SL5/SOP/017	%	12
5.	Clay	AES/EN/SL5/SOP/017	%	30
6.	Bulk Density	AES/EN/SL5/SOP/001	---	1.32
7.	Moisture	IS 2720 (Part - 2)1973	%	3.9
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	147
9.	Total Organic Carbon	AES/EN/SL5/SOP/019	%	0.99
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.71
11.	Available Potassium as K	AES/EN/SL5/SOP/018	mg/kg	23.69
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	193
13.	Exchangeable Calcium as Ca	AES/EN/SL5/SOP/011	mg/kg	21.2
14.	Exchangeable Magnesium as Mg	AES/EN/SL5/SOP/011	mg/kg	5.6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.8
16.	Water Holding Capacity	AES/EN/SL5/SOP/005	%	31.6
17.	Available Phosphorous as P	AES/EN/SL5/SOP/012	mg/kg	31.4
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	19
19.	Boron as B	AES/EN/SL5/SOP/015	mg/kg	0.95
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.4
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	3.4
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.7

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TEST REPORT

Job No.	583/25-26	Report No.	26000000953	Report Date	07.03.2026
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Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602487	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Menallur	

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

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TEST REPORT

Job No. **583/25-26** ULR No. **TC151312600000954F** Report Date **07.03.2026**

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602488	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Ukkamperumbakkam	Report Number: LES0954

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.93
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	306.5
3.	Total Sand	AES/EN/SLS/SOP/017	%	54
4.	Silt	AES/EN/SLS/SOP/017	%	12
5.	Clay	AES/EN/SLS/SOP/017	%	30
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.28
7.	Moisture	IS 2720 (Part - 2)1973	%	4.7
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	140
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.66
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.14
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	26.36
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	133
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	21.8
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	5.6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.8
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	24.6
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	27.7
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.7
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17.6
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	2.6
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.2

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TEST REPORT

Job No.	583/25-26	Report No.	26000000954	Report Date	07.03.2026
Sample Description: Soil/ Sediments					
Customer Name: M/s.SIPCOT Limited,					
Customer Address: Cheyyar					
Sample Drawn by: LES			Sampling Method : LES/EN/GEN/SOP/009		
Sample Name: Soil			Qty Sample Received: 2 Kgs		
Sample Code: LES2602488			Sample Condition : Fit for analysis		
Sampling Date : 28.02.2026			Sample Received On:28.02.2026		
Test Commenced On:01.03.2026			Test Completed On:07.03.2026		
Sampling Location : Ukkamperumbakkam					

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

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TEST REPORT

Job No. **583/25-26** ULR No. **TC1513126000000955F** Report Date **07.03.2026**

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602489	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Thiruppanamoor	Report Number: LES0955

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.52
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	338.4
3.	Total Sand	AES/EN/SLS/SOP/017	%	54
4.	Silt	AES/EN/SLS/SOP/017	%	12
5.	Clay	AES/EN/SLS/SOP/017	%	30
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.34
7.	Moisture	IS 2720 (Part - 2)1973	%	5.1
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	150
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.68
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.17
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	30.46
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	135
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	23
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	6.4
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	25
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	25.2
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	20
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.72
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.1
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	3.8
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.9

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 43539580

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

TEST REPORT

Job No. 583/25-26 Report No. 26000000955 Report Date 07.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602489	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Thiruppanamoor	

S.No	Description	Method of Reference	Units	Results
1.	Soil Texture	LES/EN/SLS/SOP/030	---	Clay Loam
2.	Infiltration Rate	LES/EN/SLS/SOP/031	cm/hr	1.3
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



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

Authorized Signatory

U.ANBARASAN
Quality Manager

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www.lotusenviro.in ☎ +91 44 43539680



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TEST REPORT

Job No. **583/25-26** ULR No. **TC151312600000956F** Report Date **07.03.2026**

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602490	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Sumangali	Report Number: LES0956

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.86
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	290.2
3.	Total Sand	AES/EN/SLS/SOP/017	%	52
4.	Silt	AES/EN/SLS/SOP/017	%	12
5.	Clay	AES/EN/SLS/SOP/017	%	32
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.33
7.	Moisture	IS 2720 (Part - 2)1973	%	5.3
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	162
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.98
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.69
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	20.02
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	195
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	21.4
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	5.6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	5.8
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	31.7
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	29.4
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	24
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.95
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	15.3
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	4.9
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	7.3

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



End of Report****

1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

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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. 583/25-26 Report No. 26000000956 Report Date 07.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Cheyyar	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602490	Sample Condition : Fit for analysis
Sampling Date : 28.02.2026	Sample Received On:28.02.2026
Test Commenced On:01.03.2026	Test Completed On:07.03.2026
Sampling Location : Sumangali	

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

U.ANBARASAN
Quality Manager

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SIPCOT – CHEYYAR ENVIRONMENTAL MONITORING PHOTOGRAPHS

AMBIENT AIR QUALITY MONITORING PHOTOGRAPHS:

Project Site



Mennalur



Sumangali



Thiruppanamoor



Ukkamperumbakkam



NOISE SAMPLING PHOTOGRAPH

Project site	Mennalur
 A photograph showing a person in a yellow hard hat and orange safety vest standing next to a noise meter on a tripod. The background shows a dry, open field with some trees in the distance.	 A photograph showing a person in a yellow hard hat and orange safety vest standing next to a noise meter on a tripod. The background shows a dry, open field with some trees in the distance.
Sumangali	Thiruppanamoor
 A photograph showing a person in a yellow hard hat and orange safety vest standing next to a noise meter on a tripod. The background shows a dry, open field with some trees in the distance.	 A photograph showing a person in a yellow hard hat and orange safety vest standing next to a noise meter on a tripod. The background shows a dry, open field with some trees in the distance.
Ukkamperumbakkam	
 A photograph showing a person in a yellow hard hat and orange safety vest standing next to a noise meter on a tripod. The background shows a dry, open field with some trees in the distance.	

SOIL SAMPLING PHOTOGRAPH

Project site	Mennalur
 Chinnaswari, Tamil Nadu, India 12°45'N 78°10'E 12°45'N 78°10'E 12°45'N 78°10'E	 Chinnaswari, Tamil Nadu, India 12°45'N 78°10'E 12°45'N 78°10'E 12°45'N 78°10'E
Sumangali	Thiruppanamoor
 Sumangali, Tamil Nadu, India 12°45'N 78°10'E 12°45'N 78°10'E 12°45'N 78°10'E	 Thiruppanamoor, Tamil Nadu, India 12°45'N 78°10'E 12°45'N 78°10'E 12°45'N 78°10'E
Ukkamperumbakkam	
 Ukkamperumbakkam, Tamil Nadu, India 12°45'N 78°10'E 12°45'N 78°10'E 12°45'N 78°10'E	

GROUND WATER SAMPLING PHOTOGRAPHS

Project site	Mennalur
 Chidambaram, Tamil Nadu, India	 Mennalur, Tamil Nadu, India
Ukkamperumbakkam	
 Ukkamperumbakkam, Tamil Nadu, India	

SURFACE WATER SAMPLING PHOTOGRAPHS

Lake near Pandiyambakkam



Mamandur lake



Introduction



SIPCOT (State Industries Promotion Corporation of Tamil Nadu) Ltd. | Ask Gemini

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COMPLIANCE REPORTS

Compliance Report -
Thervoy Kandigal for Dec
2025

Compliance Report -
Pillaipakkam for Dec 2025

Compliance Report -
Vallam Vadagal I for Dec
2025

Compliance Report -
Vaipur
Mathur for Dec 2025

Compliance Report -
Aerospace Park for Dec
2025

Compliance Report -
Cheyyar for Dec 2025

Compliance Report -
Manaparai for Dec 2025

Compliance Report -
Tindivanam for Dec 2025

Resources

- Environmental Clearance
- Compliance Reports
- Environment Policy

31°C Sunny | Search | 12:42 PM 3/27/2025



SIPCOT

EC/Cheyyar/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, Cheyyar - Submission of Half Yearly Compliance Report for December 2025 (i.e., for the period of April 2025 to September 2025) - Reg.

Ref: 1. EC obtained vide File No. 21-181/2014-IA.III Dated: 30.09.2016
2. EC Amendment obtained vide EC Identification No.EC25A3101TN5628333A; File No. 21-181/2014-IA.III Dated: 16.07.2025

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Mangal, Kunnavakkam, Mathur, Karanal, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjaipattu, Mahajanambakkam Villages Cheyyar Taluk, Tiruvannamalai 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,

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.

CONSULTANT (PROJECT MANAGEMENT)



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.in.gov.in



EC SIPCOT <ec@sipcot.in>

SIPCOT Industrial Park, Cheyyar - 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 10:02 PM

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

Cc: PO Cheyyar <poch@sipcot.in>

Bcc: Sowmya <sowmya@ltcot.com>

Sir/Madam,

Ref:

1. EC obtained from MoEF vide F.No.21-181/2014-IA-III. Dated: 30.09.2016

2. EC Amendment obtained vide EC Identification No.EC25A3101TN5628333A; File No. 21-181/2014-IA.III Dated: 16.07.2025

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 Mangal, Kunnavakkam, Mathur, Karanai, Chellaperumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu, Mahajanambakkam Villages in Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu" along with the supporting documents for your perusal and records.

--
Thanks & Regards,
Environment Cell,
SIPCOT



Cheyyar HYC Dec 25.pdf
19182K



SIPCOT

EC/I/362198/2025/CH

Date: 29.09.2025

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

/By NRPD/

Sir,

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

Ref: MoEF&CC EC Letter No. F.No.21-181/2014-IA-III dt. 30.09.2016.

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 Mangal, Kunnavakkam, mathur, Karanai, Chellaperumbulimedu, Perumbulimedu, Ukkamperrumbakkam, Shozhavaram, Alinjalpattu and Mahajanambakkam Villages in Cheyyar Taluk, Tiruvannamalai District, Tamil Nadu for the 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

SIPCOT (State Industries Promotion Corporation of Tamil Nadu) - Compliance Report

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Compliance Report - Nedumpalli for Dec 2025

Compliance Report - Virudhunagar for Dec 2025

Environmental Statement for the Financial Year - 2024 - 2025

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SIPCOT
Govt of Tamil Nadu

SIPCOT has nurtured the development of 50 Industrial Parks including 8 SEZs, spread over 24 districts in a total extent of about 48,936 Ail acres.

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EGMORE, CHENNAI - 600 008.

Phone
044-45261777

Email
tapals@sipcot.in

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State Industries Promotion Corporation of Tamil Nadu Limited

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

Regd. Office : 19-A, Rukmani Lakshmi Pathy Road, Post Box No. 7223, Egmore, Chennai - 600 008.
Phone : 28554787 Fax : 044-28553746/42177333 CIN U74999TN1907135500000000

Ref. No. :



D-I/EIA/CHEYYAR/2016

Date : 08.10.2016

- ✓ 1. The Block Development Officer,
Vembakkam. (Cheyyar)
- ✓ 2. The Block Development Officer,
Cheyyar

Sir,

Sub: SIPCOT - Environmental Clearance for SIPCOT Industrial Complex,
Cheyyar - Forwarded- Regarding.

Ref : F.No.21-181/2014 -IA-III, Government of India, Ministry of
Environment, Forest and Climate Change dt.30.9.2016.

We wish to inform that, SIPCOT has obtained Environmental Clearance for
Establishment of new Industrial Park at Cheyyar Taluk, Thiruvannamalai District
from the Ministry of Environment, Forest and Climate Change, Government of
India vide reference cited. We enclose a copy of the same.

Yours faithfully,
Sd/xxx
GENERAL MANAGER(II)

/ Forwarded by Order /

H. Prathavathy
ASSISTANT GENERAL MANAGER(D-I)

Encl.: As above.

1/3

BY B.D.O. (ADMIN)
P.U. VEMBAKKAM



State Industries Promotion Corporation of Tamil Nadu Limited

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.
Phone : 28554787 Fax : 044-28553746/42177333 CIN U74999TN19718GC005967

Rel. No.:



D-I/EIA/CHEYYAR/2016

Date : 08.10.2016

1. The Block Development Officer,
Vembakkam.

2. The Block Development Officer,
Cheyyar

Sir,

Sub: SIPCOT - Environmental Clearance for SIPCOT Industrial Complex,
Cheyyar - Forwarded- Regarding.

Ref : F.No.21-181/2014 -IA-III, Government of India, Ministry of
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We wish to inform that, SIPCOT has obtained Environmental Clearance for
Establishment of new Industrial Park at Cheyyar Taluk, Thiruvannamalai District
from the Ministry of Environment, Forest and Climate Change, Government of
India vide reference cited. We enclose a copy of the same.

Yours faithfully,
Sd/xxx
GENERAL MANAGER(II)

/ Forwarded by Order /

H. Parakkavathy
ASSISTANT GENERAL MANAGER(D-I)

Encl.: As above.

2/3

Recd a
copy
20.10.2016
Dr. S. S. Srinivasan (Srn)
Cheyyar
19/10/16

தினகர்தி

நாள் : 14-10-2016

 **சிப்காட் தொழிற் பூங்கா**
செய்யாறு தாலுக்கா, திருவண்ணாமலை மாவட்டம்
CIN U74999TN1971SGC005367

சுற்றுச்சூழல் இசைவாணை

மத்திய சுற்றுச்சூழல் வனத்துறை மற்றும் பருவநிலை மாற்ற அமைச்சகம் F.No.21-181/2014-IA-III தேதி 30.09.2016 மூலம் திருவண்ணாமலை மாவட்டம் செய்யாற்றில் அமையவுள்ள தொழிற்பூங்காவிற்கு சுற்றுச்சூழல் இசைவாணை வழங்கியுள்ளது.

இவ்விசைவாணையின் முழுவிவரங்களை சிப்காட் இணையதளமான www.sipcot.com மற்றும் மத்திய சுற்றுச்சூழல் வனத்துறை மற்றும் பருவநிலை மாற்ற அமைச்சகத்தின் இணையதளமான www.envfor.nic.in ஆகியவற்றில் பதிவிறக்கம் செய்து கொள்ளலாம். மேலும் இவ்விசைவாணையின் நகலினை இவ்வலுவலகத்தில் பெற்றுக் கொள்ளலாம்.

மேலாண்மை இயக்குநர்
சிப்காட்
19-அ, ருத்மணி இலட்சுமியா சாலை,
எழும்பூர், சென்னை-600 008.

சா.ப. இல. 21/06/2016/சுற்றுச்சூழல்/2016

The New Indian Express dt. 14-10-2016



**SIPCOT INDUSTRIAL PARK, CHEYYAR,
CHEYYAR TALUK
THIRUVANNAMALAI DISTRICT**

CIN U74999TN1971SGC005967

ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed SIPCOT Industrial Park at Cheyyar, Thiruvannamalai District from Ministry of Environment, Forest and Climate Change, New Delhi vide their F.No.21-181/2014-IA-III dt.30.09.2016.

The contents of the Environmental Clearance can be downloaded from SIPCOT website www.sipcot.com and also in the MoEF & CC website www.envfor.nic.in. Further the copies of the Environmental Clearance could be obtained from the Head Office of SIPCOT.

**MANAGING DIRECTOR
SIPCOT**

19-A, Rukmani Lakshmi Pathy Road,
Egmore, Chennai-8

DPP/1261/DISPLAK/2014



SIPCOT

P-IV/EC/Cheyar/CER/District_Admin/2024

Date: 19.11.2024

To,
The District Collector,
Collectorate, Vengikkal,
Tiruvannamalai - 606 604.

/RPAD/

Sir,

Sub: SIPCOT - Allocation of Fund under Corporate Environment Responsibility (CER) in respect of the proposed SIPCOT Industrial Park, Cheyyar (Phase-II) - Requisition of Proposal - Reg.

Ref: MoEF&CC EC vide F.No. 21-181/2014-IA.III dated 30.09.2016 (copy enclosed).

In the reference cited above, the Ministry of Environment Forest & Climate Change (MoEF&CC) has granted Environmental Clearance (EC) to SIPCOT for the Development of SIPCOT Industrial Park at Mangal, Kunnavakkam, Mathur, Karanai, Chellaperumbulimedu, Perumbulimedu, Ukkamperumbakkam, Shozhavaram, Alinjalpattu and Mahajanambakkam Villages, Cheyyar and Vembakkam Taluk, Tiruvannamalai District, Tamil Nadu over an extent of 931.015 Ha (2300.58 Acres).

In the Environmental Clearance, MoEF&CC has stipulated certain conditions under Part A - Specific Conditions, Construction Phase, as follows:

(xxxv): 2% of the project cost shall be earmarked for Corporate Environment Responsibility activities.

(xxxvi): Necessary Provision to develop facilities for disabled people shall be made under Corporate Environment Responsibility.

Corporate Environment Responsibility (CER) means, it is the responsibility of the project proponent to contribute towards economic, social and environmental development that creates positive impact on society at large.

According to the MoEF&CC Office Memorandum F. No. 22-65/2017-IA III dated 01.05.2018, Corporate Environmental Responsibility activities include infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste

P.T.O.

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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



SIPCOT

/2/

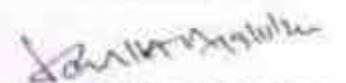
management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, etc. Further, it is stated that these activities are to be carried out only in the areas surrounding the project.

In accordance with the EC condition, SIPCOT has allocated ₹9.2 Crores (Rupees Nine Crores Twenty Lakhs Only) exclusively for carrying out CER activities surrounding the SIPCOT Industrial Park, Cheyyar (Phase-II).

We therefore request you to submit a detailed proposal specifying activities from the list above, including provisions for developing facilities for disabled people, that could be implemented under CER in the surrounding area of the SIPCOT Industrial Park, Cheyyar (Phase-II).

We would like to inform you that the expenses to be incurred towards CER activity is meant for capital expenditure alone, not for recurring and care shall be taken to ensure that no duplication of above CER activity is undertaken with that of existing programmes run by Central, State and Local Governments.

Yours faithfully,


MANAGING DIRECTOR

Encl: As above.

Copy to:
+ The Project Officer,
SIPCOT Industrial Park,
Cheyyar.



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Photographs of DG sets

Industries Photos	
FORECH	PHENIX
	
SCHWING STETTER	
	
CALCIMAG	
	

ENVIRONMENTAL MANAGEMENT CELL

1. INTRODUCTION:

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



Figure - 1 Organogram for Environmental Management Cell

2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:

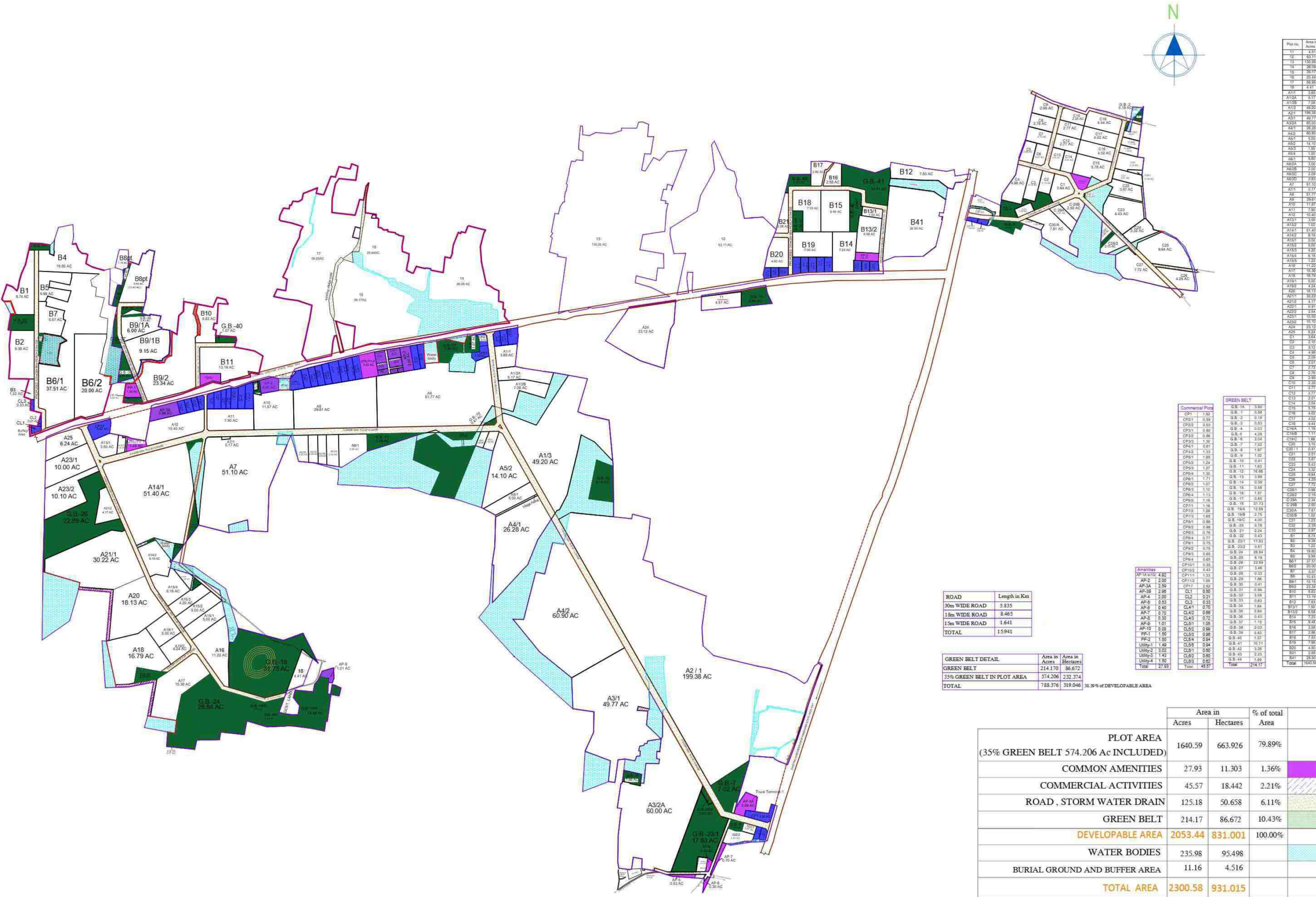
- 2.1. Environmental Management Cell (EMC) shall obtain all applicable statutory clearances and approvals as mandated by the regulatory authorities and maintain the Industrial Parks in compliance with all applicable rules and regulations.
- 2.2. Other responsibilities of the cell will include:
 - a)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

Table – 1: Roles and responsibilities of EMC

S.No.	Designation	Responsibilities
1	Managing Director	➤ Responsible for overall environmental management. ➤ Regularly conduct meeting with EMC and take feedback regarding all the activities performed under Environmental Management and give directions to succeeding component. ➤ Approval of funds for carrying out environmental management activities.
2	GM – Projects	➤ Keep aware about all the activities performed under EMC in the industrial parks. ➤ Issuing direction to Project officers for implementing Greenbelt development, Storm water management, rain water harvesting, etc. ➤ To deal with legal entity pertaining to environmental issues.
3	Manager	➤ To prepare and allocate budget for Environment Management Plan. ➤ Ensuring compliance to the conditions prescribed by statutory authority. ➤ Mandating member industries to comply with the conditions stipulated in the statutory approvals and non-compliance if any shall be reported to GM and immediately required action will be taken.
4	Environmental Consultants (Two)	➤ Obtaining Statutory Approvals from MoEF&CC / SEIAA / TNPCB, etc. ➤ Addressing the various queries received from statutory authorities on environmental front. ➤ Submitting Environmental compliance report and coordinating with project officers for Environmental monitoring, audit, etc. ➤ Compliance with the environmental laws and implications which dynamically changes from time to time due to the emerging challenges.

TENTATIVE LAYOUT PLAN OF SIPCOT INDUSTRIAL COMPLEX, CHEYYAR - PHASE-II, TIRUVANNAMALAI DISTRICT.

Annexure-15

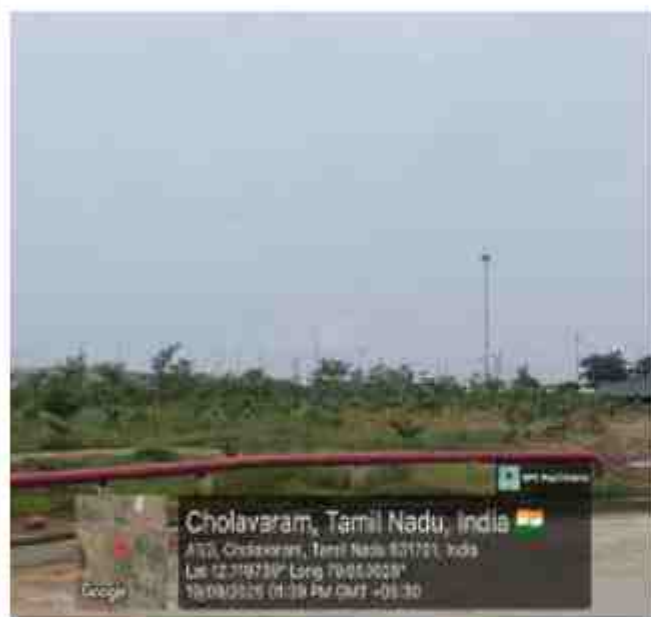


Photographs of Greenbelt**SIPCOT****Industries Photos****FORECH****Royal Enfield****PHENIX**

SCHWING STETTER



AMARA RAJA





4 Nov 2024 12:43:20.66°N 79°38'42.25°E
Cheyyar - Kanchipuram Road
sozhavaram
Tamil Nadu



4 Nov 2024 12:43:20.518°N 79°38'42.251°E
Cheyyar - Kanchipuram Road
sozhavaram
Tamil Nadu



4 Nov 2024 15:31:16
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Cheyyar - Kanchipuram Road
sozhavaram
Tamil Nadu



4 Nov 2024 15:31:06
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Cheyyar - Kanchipuram Road
sozhavaram
Tamil Nadu



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sozhavaram
Tamil Nadu



4 Nov 2024 12:10:51
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316°NW
A 171 Cheyyar - Kanchipuram Road
Cheyyar
Tamil Nadu

Photographs of STP/ETP

**Industries Photographs
ROYAL ENFIELD**



VELVIN



PHENIX



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AMARA RAJA





Annexure -18

Photographs of Storm drain and Rainwater Harvesting systems

SIPCOT



Industries Photographs
FORECH



ROYAL ENFIELD



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AMARA RAJA





Photographs of Solid Waste Management Facility

SIPCOT



Photographs of LED lights

SIPCOT



Industries Photos

PHENIX



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AMARA RAJA



Photographs of Internal Roads



Photograph of low flow type aerator in pipe



Photographs of Nearest Waterbody



Photographs of Parking area

SIPCOT -Truck Parking Area



Industries Photos

FORECH



PHENIX



ROYAL ENFIELD



SCHWING STETTER



AMARA RAJA





Photographs of Fly ash material utilization





Photograph of high quality low E value glass used by Industries





Photographs of Thermal insulation material usage

VELVIN

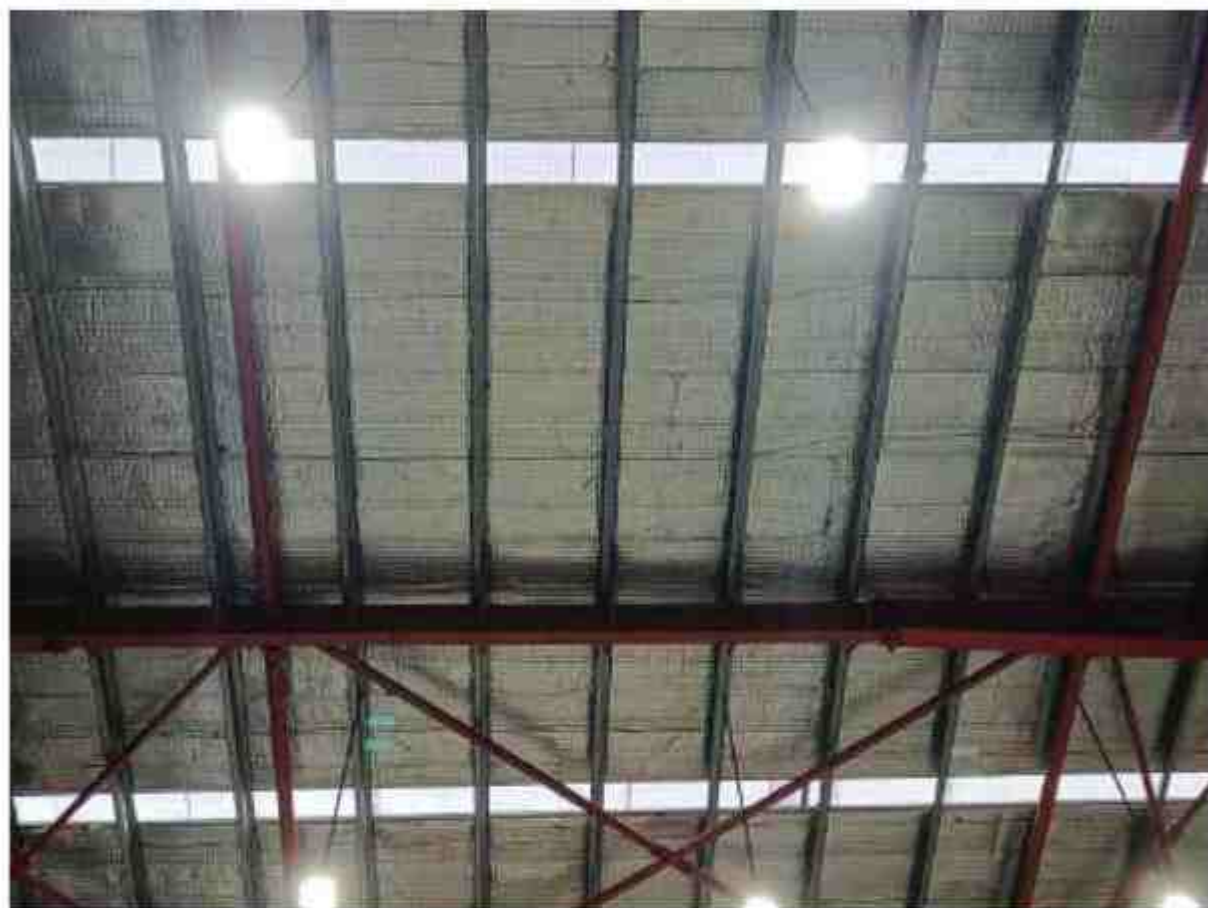


PHENIX



SCHWING STETTER





Photographs of Fire protection Equipment**Industries Photographs****FORECH****PHENIX****ROCKWOOL****ROYAL ENFIELD****CALCIMAG**

SCHWING SETTER



AMARA RAJA





Photographs of Toilet Facilities

Truck parking - SIPCOT



Industries Photographs

FORECH



ROYAL ENFIELD



VELVIN





Photographs of Weep holes





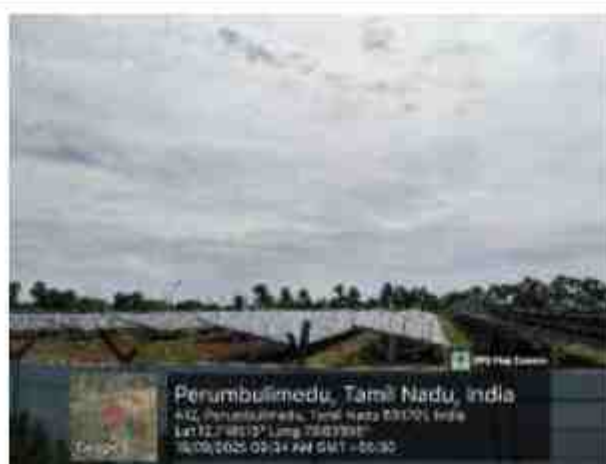
Photographs of Solar utilization

Industries Photographs

PHENIX



ROYAL ENFIELD







Photographs of Display board of main gate

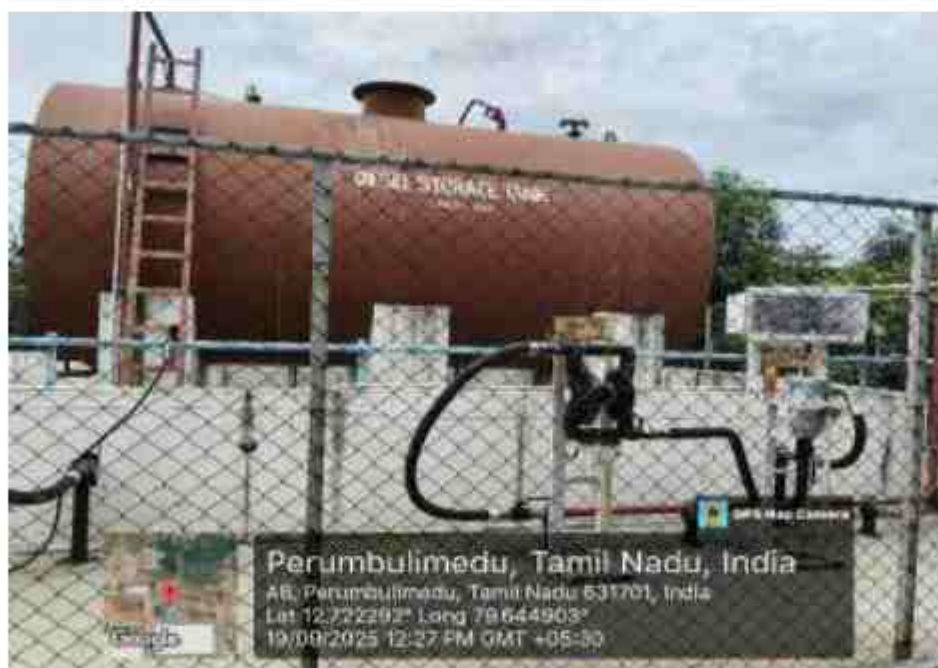


Photographs of Diesel storage tanks

PHENIX



SCHWING STETTER



AMARA RAJA



Photograph of individual unit ready mixed concrete usage

ROCKWOOL

