



EC/Tindivanam/HYC/June/2026

Date: 26.05.2026

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

Sir/Madam,

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

Ref: EC vide Letter No. SEIAA-TN/F.6497/EC/8(b)/681/2019 dated: 27.11.2019

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Pelakuppam, Venmaniyathoor, Kollar Villages of Thindivanam Taluk, Villupuram District, Tamil Nadu for June 2026 (i.e., for the period of October 2025 to March 2026) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,
Sd/-
MANAGING DIRECTOR

Encl: As above.

Copy to:

1. The Director,
The Ministry of Environment and Forest & Climate Change,
Integrated Regional Office,
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai - 600 006
2. The Director,
Central Pollution Control Board,
Regional Directorate - Chennai,
2nd Floor, 40-E, BSNL Building,
TVK Industrial Estate, CIPET Road, Guindy,
Chennai - 600 032.

P.T.O.

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

CIN : U74999TN1971SGC005967

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



SIPCOT

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

/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 Industrial Park at
Pelakuppam, Venmaniyathoor, Kollar Villages of Thindivanam
Taluk, Villupuram District, Tamil Nadu”**

**EC OBTAINED Vide Letter No SEIAA-TN/F.6497/EC/8(b)/681/2019 dated:
27.11.2019**

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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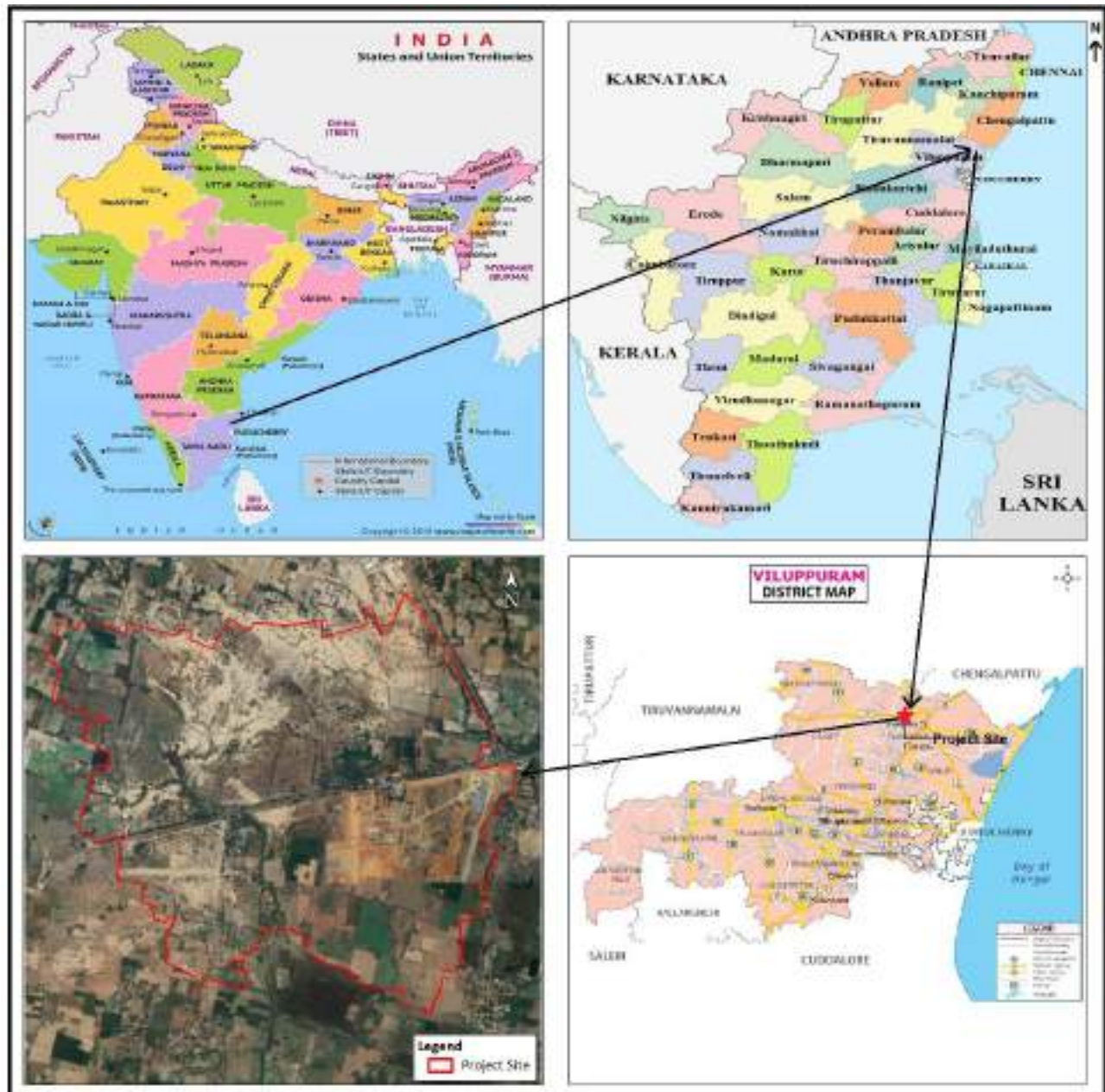
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1. PROJECT DETAILS

Name of the Project	SIPCOT Industrial Park, Tindivanam
Name of the Proponent	State Industries Promotion Corporation of Tamil Nadu Ltd.
EC. No	SEIAA-TN/F.6497/EC/8(b)/681/2019 dated 27.11.2019 (Enclosed as Annexure- 1)
Area of the Land	291.60.5 Hectares
Water Requirement:	a) Total Water Requirement: 4 MLD b) Source: 3 MLD Tertiary Treatment Reverse Osmosis (TTRO water) from Thindivanam Municipality. c) 1 MLD for drinking water from Tamil Nadu Water Supply and Drainage Board (TWAD) (Enclosed as Annexure -2)
Project Cost	Rs. 300 Crores

2. LOCATION MAP



3. SITE PHOTOGRAPHS





4. SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

Part – A: Common Conditions Applicable for Pre construction, Construction and Operational Phase

S. No.	Condition	Status of Compliance
1.	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	There are no appeal lies against this Environmental Clearance.
2.	The construction of STP, Solid Waste Management facility, E-waste Management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.	Construction shall be carried out as per the layout approval.
3.	The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.	SIPCOT shall comply with all the applicable conditions issued in the EC.
4.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State/Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.	Condition Noted.

5.	The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.	Condition noted.
6.	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	Condition is being complied.
7.	The environmental statement for each financial year ending 31st March in Form- V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by E-mail.	Condition is being complied. Proof of dispatch of Form V to TNPCB and the screenshot of uploading the environmental statement in SIPCOT website is enclosed as Annexure –9 and Annexure -9a respectively. The status of compliance of environmental clearance conditions sent to the Regional Office of the Ministry of Environment and Forests, Chennai By E-mail and the proof is enclosed as Annexure –8.
8.	The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Condition noted.
9.	"Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.	Condition is complied. Consent to Establishment has been obtained from TNPCB. Copy of the same is enclosed as Annexure-3.
10	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.	Condition noted.

11	The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble National Green Tribunal relating to the subject matter.	Condition complied. Consent to Establishment has been obtained from TNPCB. Copy of the same is enclosed as Annexure-3 .
12	The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.	Condition Noted.
13	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Condition Noted.
14	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM10, PM 2.5, SO, NOX (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.	Condition is being complied. Screenshot of 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 . Air pollutant indicated for the project is monitored regularly and air quality monitoring report is enclosed as Annexure-4 .

15	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.	Condition noted.
16	The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance or inadequate data for obtaining the environmental clearance.	Condition Noted. All the member industries will be instructed to obtain necessary approvals / clearances.
17	The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.	Condition noted.
18	The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.	Condition noted.
19	Where the trees need to be cut, compensation plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.	Condition noted.

20	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.	Condition complied. Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure-12.
21	The EMP cost of Rs.1.5 Crores shall be deposited in a Nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	Condition Noted.
22	The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition Noted.
23	The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.	Condition is being complied. Surface monitoring report is enclosed as Annexure- 4.
24	All the assessed flora & fauna should be conserved and protected.	Condition Noted.
25	The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from O 1.01.2019 under Environment (Protection) Act, 1986.	Condition will be complied.

26	As per MoEF & CC, Gol, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10 KM from National Park and Sanctuaries.	Not applicable.
27	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.	Condition noted.
28	The safety measures proposed in the report should be strictly followed.	Condition Noted.
29	The Developer shall ensure that no allotment letter/ sale deed in any form shall be made to house Category B Industry as prescribed in the schedule of EIA notification 2006. However, in case any category A or category B type of industry as prescribed in the schedule of EIA notification 2006 is proposed then the individual unit shall apply and seek Environmental Clearance under the EIA notification 2006.	Condition Noted. If any EC category industry is proposed within the Industrial Park, Individual Industries will be mandated to obtain separate EC on their own.
30	The Developer shall mandate the member industries of the Industrial Park to allot 33% of the plot area for green belt development and to install RWH structures.	Condition Noted. Individual Industries shall comply with.

31	The Developer 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.	Condition will be complied. All the member units will be mandated to provide individual ETP with Zero Liquid Discharge system and to handle the domestic wastewater as per the prescribed standards. All the member units will be instructed to follow all applicable rules and guidelines.
32	The project proponent shall ensure that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of one time use on and throwaway plastics.	Condition Noted. Individual Industries shall comply with.
33	The project proponent must submit the permissible land use classification Certificate obtained from competent authority for the proposed project before obtain the CTE from TNPCB.	Condition complied. Land use classification certificate obtained from DTCP.
34	The proponent shall obtain the necessary permission/ NOC of water supply from the TWAD Board/competent Authority.	Condition is being complied. We SIPCOT has obtained water supply permission from TWAD board Letter from TWAD Board is enclosed as Annexure- 2.
35	The CER fund shall be utilized as per the office memorandum of MoEF&CC dated 01.05.2018 before obtaining CTO from TNPCB.	Condition will be complied.
36	The allotted industrial units shall obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.	All the member units will be instructed to obtain consent from the TNPCB separately for their establishment & operation in this industrial park.
37	The project proponent shall ensure that 33% of the total area of the project site should be covered with green belt.	Condition is being complied. Greenbelt photograph is enclosed as Annexure-13.

38	The proponent shall provide Rain Water Harvesting pits so as to recharge the ground water table.	Condition Noted. Individual Industries shall comply with.
39	Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.	STP is not proposed by SIPCOT. All the member units will be instructed to follow all applicable rules and guidelines.
40	It is the sole responsibility of the proponent that the treated sewage disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.	STP is not proposed by SIPCOT. All the member Industries will be mandated to provide adequate capacity of STP and the treated sewage will be reused for their greenbelt development.
41	The Developer 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.	Condition will be complied. All the member units will be mandated to provide individual ETP with Zero Liquid Discharge system and to handle the domestic wastewater as per the prescribed standards.
42	The project proponent shall ensure that all the member units should treat and dispose solid waste & E-waste as per the Solid Waste Management Rule 2016 as amended and E-Waste Management. Rules, 2016.	Condition noted. Separate area has been earmarked for Solid waste management including shed for E-Waste Management Facility has been proposed. All the member units will be instructed to follow applicable rules and guidelines.
43	There shall be no discharge of effluent outside the Industrial Park at any time.	All the member units will be mandated to provide individual ETP with Zero Liquid Discharge system.
44	The Developer shall mandate the member units of the Industrial Park to install adequate APC measures/Acoustic to achieve air emissions standards within permissible limits prescribed by the CPCB.	Condition noted. All the member units will be instructed to comply all applicable rules and guidelines. Ambient Air Quality monitoring report is enclosed as Annexure - 4

Part - B - Specific Conditions - Pre Construction Phase:

S. No	CONDITIONS	STATUS OF COMPLIANCE
1.	The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.	Condition complied. We, SIPCOT have advertised in two local newspapers in Tamil and English that we have obtained Environmental clearance from SEIAA /TN along with the details of SEIAA website where it is displayed Newspaper advertisement copy and the copy of the press release submitted to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN is enclosed as Annexure-11.
2.	In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.	Condition noted.
3.	A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.	Condition complied. Acknowledgement copy of clearance letter sent to local body is enclosed as Annexure-10. The clearance letter also uploaded on SIPCOT website and it is enclosed as Annexure-6.
4.	The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of firefighting equipments, etc as per National Building Code including protection measures from lightning etc before commencement of the work.	Condition Noted. All the member industries are being mandated to obtain all necessary clearance / approvals.

5.	All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.	Condition Noted. All the member units will be instructed to maintain sanitary and hygienic measures for the workers throughout the construction phase..
6.	Design of buildings should be in conformity with the Seismic Zone Classifications.	Condition Noted.
7.	The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities / local administration.	Construction will be carried out as per the DTCP approved layout.
8.	No construction activity of any kind shall be taken up in the OSR area.	Condition noted.
9.	Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.	Condition will be complied. Individual industries will be mandated to treat the Sewage as per the norms and reuse within their premises.
10.	The height and coverage of the constructions shall be in accordance with the existing FSI/ FAR norms as per Costal Regulation Zone Notification, 2011.	Not applicable. The project site doesn't fall in CRZ zones.
11.	The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.	Not Applicable. The proposed project is establishment of an Industrial Park.
12.	The project proponent shall ensure the level of basement shall be above maximum flood level.	Condition will be complied. All the member units will be instructed to comply with.

13.	The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details: 1. Location of STP, compost system, underground sewer line 2. Pipe Line conveying the treated effluent for green belt development 3. Pipe Line conveying the treated effluent for toilet flushing 4. Water supply pipeline 5. Gas supply pipe line, if proposed 6. Telephone cable 7. Power cable 8. Storm water drains, and 9. Rain water harvesting system, etc., and it shall be made available to the owners.	Conditions applicable and will be complied.
14.	A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.	Condition Noted. All the member units will be instructed to comply all applicable rules and guidelines.
15.	The present land use surrounding the project site shall not be disturbed at any point of time.	Condition Noted.
16.	The green belt area shall be planted with indigenous native trees.	Greenbelt is being developed with indigenous native species. Greenbelt photograph is enclosed as Annexure-13.
17.	Natural vegetation listed particularly the trees shall not be removed during the construction /operation phase. In case any trees are likely to be disturbed, shall be replanted.	Condition noted.
18.	During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.	Condition noted.

19.	The Provisions of Forest conservation act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.	Condition noted.
20	There should be Firefighting plan and all required safety plan.	Condition Noted. Individual industries will comply with.
21.	Regular fire drills should be held to create awareness among owners/ residents.	Condition noted. Individual industries will comply with.

Part C - Specific Condition Construction Phase

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	Construction Schedule:	
	i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.	Condition Noted.
2.	Labour Welfare:	
	i) All the laborers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.	Condition will be complied. All the member units will be instructed to comply with.
	ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.	Condition will be complied. All the member units will be instructed to comply with.

	iii) Periodical medical examination of the workers engaged in the project shall be carried out and maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.	Condition will be complied. All the member units will be instructed to comply with.
3.	Water Supply:	
	i) The entire water requirement during construction phase may be met from ground water source from the source with approval of the PWD Department of water resources/ may be out source.	Condition will be complied. The entire water requirement met from TWAD board.
	ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Condition is not applicable. Local labours employed for the project. There will not be any housing for labour.
	iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.	Condition will be complied. All the member units will be instructed to comply with.
	iv) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices prevalent.	Condition is being complied.
	v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.	Condition Noted. All the member units shall comply with.

4.	Solid Waste Management:	
	i) In the solid waste management plan, the STP sludge management plan for direct use as manure, gardens is not acceptable; it must be co-composted with biodegradables.	No STP has been proposed under SIPCOT common infrastructure; hence, generation of STP sludge does not arise. Individual industries shall manage STP sludge, if any, in compliance with applicable statutory provisions.
	ii) House hold hazardous wastes such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, in a month from residences and disposed as per the SWM rules 2016.	Condition will be complied. All the member units will be instructed to follow all applicable rules and guidelines.
	iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles as per the solid waste management rules 2016.	Condition will be complied. All the member units will be instructed to follow all applicable rules and guidelines.
	iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.	Condition is being complied. All the member units shall comply with.
	v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.	Condition will be complied. All the member units will be instructed to follow all applicable rules and guidelines.
5.	Top Soil Management:	
	i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Condition will be complied.
6.	Construction Debris disposal:	
	i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people. The construction and demolition waste shall be managed as per Construction & Demolition Waste Management rules, 2016.	All the member units will be instructed to follow all applicable rules and guidelines.

	ii) Construction spoils, including bituminous materials and other hazardous materials must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/lake/stream etc.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines. Surface water quality monitoring report is enclosed as Annexure-4.
7.	Diesel Generator sets:	
	i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.	All the member units will be instructed to follow all applicable rules and guidelines.
	ii) The diesel required for stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of explosives shall be taken.	All the member units will be instructed to follow all applicable rules and guidelines.
	iii) The acoustic enclosures installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.	All the member units shall comply with.
8.	Air & Noise Pollution Control:	
	i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB'. The vehicles should be operated only during non-peak hours.	Condition will be complied.

	ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.	Condition is being complied. All the member units will be instructed to follow all applicable rules and guidelines. Ambient Air and Noise monitoring reports is attached as Annexure – 4.
	iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per DTCP norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be meet before commissioning.	Condition will be complied.
	iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.	All the member units will be instructed to follow all applicable rules and guidelines.
9.	Building material:	
	i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.	Condition Noted. All the member units shall comply with.
	ii) Ready-mix concrete shall alone be used in building construction and necessary cube- tests should be conducted ascertain their quality.	Condition is being complied.
	iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.	All the member units shall comply with.
10.	Storm Water Drainage:	

	i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.	Condition noted. Storm water drain will be provided all along the internal roads. All the member units will be instructed to follow all applicable rules and guidelines. Storm water photographs is enclosed as Annexure – 14.
	ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.	Condition Noted.
11.	Energy Conservation Measures:	
	i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfil the requirement.	All the member units will be instructed to follow all applicable rules and guidelines.
	ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.	All the member units will be instructed to follow all applicable rules and guidelines.
	iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.	All the member units will be instructed to follow all applicable rules and guidelines.
	iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.	All the member units will be instructed to follow all applicable rules and guidelines.

	v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.	The proposed project is an establishment of industrial park which involves provision of roads, storm water drains, greenbelt, Power supply, water supply, etc. Hence, energy conservation measures are being implemented by the individual industries.
	vi) Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.	Condition is being complied LED photographs is enclosed as Annexure-15 .
12.	Fire Safety	
	i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.	All the member units will be instructed to follow all applicable rules and guidelines.
	ii) Proper and free approach road for fire- fighting vehicles up to the buildings and for rescue in the event of emergency shall be made.	All the member units will be instructed to follow all applicable rules and guidelines.
13.	Green Belt Development:	
	i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.	Condition noted and will be complied. All the member units will be instructed to plant tree species with large potential for carbon capture in the proposed greenbelt area . Greenbelt photograph is enclosed as Annexure-13 .

	ii) The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, Villupuram District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. If possible Miyawaki method of planting i.e planting different types of trees at very close escapement may be tried which will give a good green cover. A total of 15% of the plot area should be designated for green belt which should be raised along the boundaries of the plot and in between blocks in an organized manner.	Condition will be complied. Greenbelt will be developed in minimum 33% of total developable area with indigenous native species. Greenbelt photograph is enclosed as Annexure-13.
	iii)The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.	Greenbelt will be developed as per the layout. Green belt photographs is enclosed as Annexure-13.
	iv) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area and the same shall be included in the layout out plan to be submitted for DTCP approval.	Greenbelt will be developed as per the DTCP approved layout plan. Green belt photograph is enclosed as Annexure-13.
14.	Sewage Treatment Plant:	
	i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed academic institution for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.	STP is not proposed by SIPCOT. Individual industries will be mandated to have STP/ETP as per the requirement and to reuse the treated wastewater as per the norms. All the member industries will be instructed to follow applicable rules and guidelines.

	ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.	STP is not proposed by SIPCOT. All the member industries will be instructed to follow applicable rules and guidelines
	iii) The project proponent shall operate and maintain the Sewage treatment Plant effectively to meet out the standards prescribed by the CPCB.	STP is not proposed by SIPCOT. All the member units will be instructed to handle their Treated effluent as per prescribed by CPCB norms.
	iv) The project proponent shall continuously operate and maintain the Sewage treatment plant to achieve the standards prescribed by the CPCB.	STP is not proposed by SIPCOT. All the member units will be instructed to handle their Treated effluent as per prescribed by CPCB norms.
	v) The project proponent has to ensure the complete recycling of treated sewage after achieving the standards prescribed by the CPCB.	STP is not proposed by SIPCOT. All the member units will be instructed to handle their Treated effluent as per prescribed by CPCB norms.
	vi) The project proponent has to provide separate standby D.G set for the STP for the continuous operation of the STP in case of power failure.	All the member units shall comply with.
15.	Rain Water Harvesting:	
	i) The proponent/Owner of the Flats shall ensure that roof rain water collected from the covered roof of the buildings, etc. shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.	All the member units shall comply with.
	ii) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.	All the member units shall comply with.
	iii) The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition noted.

16.	Building Safety:	
	Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.	All the member industries shall comply with.

5. ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit six-month compliance report of EC conditions to MoEF & CC Regional Office by the proponent. For the purpose of submitting Six-Monthly Compliance report, the environmental monitoring was carried out by M/s. Lotus Enviro Systems Pvt Ltd, an NABL Accredited Laboratory during 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 (NO_x), 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 analyzed 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 are enclosed as **Annexure-5**.

6. CONCLUSION

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



Dr. JAYANTHI. M, I.F.S
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY – TAMIL NADU

3rd Floor, Panagal Maaligai,
No.1 Jeem Road, Sandapet,
Chennai-15.

Phone No.044-24359973

Fax No. 044-24359975

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA-TN/F. 6497/EC/ 8(b)/ 681/2019 dated: 27.11.2019.

To

The Managing Director

M/s. State Industries Promotion Corporation of Tamil Nadu Limited.

19-A, Rukmani Lakshminpathy Road

Post Box No.7223

Egmore

Chennai-600 008

Sir,

Sub: SEIAA, TN - Environmental Clearance - Proposed establishment of Industrial Park at Thindivanam by M/s. State Industries Promotion Corporation of Tamil Nadu Limited at S.F. No. 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41,42,43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2,3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt, 55pt of Venmaniyathoor Village, 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, Thindivanam Taluk, Villupuram District, Tamil Nadu - Issued - Regarding.

Ref: 1. Your application for Terms of Reference dated: 01.02.2018

2. ToR Issued by SEIAA-TN Vide Lr.No.SEIAA-TN/F.No.6497/2018/8(b)/ToR-506/2018 dated: 16.02.2018



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3. EIA report submitted to SEIAA-TN on 05.04.2019
4. Minutes of the 133rd SEAC Meeting held on 25.07.2019
5. Proponent reply dated: 30.10.2019
6. Minutes of the 139th SEAC Meeting held on 23.11.2019
7. Minutes of the 362nd SEIAA Meeting held on 27.11.2019

This has reference to your application: 1st cited, the proposal is for obtaining Environmental Clearance to establish a construction project under Category B2 and Schedule S.No. 8(b) under the Environment Impact Assessment Notification, 2006. as amended.

The Competent Authority and Authorized signatory furnished detailed information in Form I and Form IA and liquidate enclosures are as Annexures:

Annexure I

PROJECT DETAILS		
SL No	Description	Details
1)	Name of the Project proponent and address	The Managing Director M/s. State Industries Promotion Corporation of Tamil Nadu Limited. 19-A, Rukmani Lakshmi Pathy Road Post Box no.7223 Egmore Chennai-600 008
2)	Proposed Activity	Proposed establishment of Industrial Park at Thindivanam
3)	Schedule No.	8(b)
4)	Project Location	
	i) Survey No	1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55.



[Signature]
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		56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt, 55pt of Venmaniyathoor Village, 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar																																	
	ii) Revenue Village	Pelakuppam, Venmaniyathoor, Kollar Village																																	
	iii) Taluk	Thindivanam																																	
	iv) District	Villupuram																																	
5)	Area of the Land	291.60.5 Hectares																																	
6)	Built up Area <table border="1"> <thead> <tr> <th>Sl.No.</th><th>Description</th><th>Area (Hectares)</th></tr> </thead> <tbody> <tr> <td>1</td><td>Plot area</td><td>195.29</td></tr> <tr> <td>2</td><td>Roads and Storm water drainage</td><td>13.56</td></tr> <tr> <td>3</td><td>Common amenities (EB, Water storage, Fire Services, Administrative Office, etc.)</td><td>4.37</td></tr> <tr> <td>4</td><td>Commercial activities</td><td>14.57</td></tr> <tr> <td>5</td><td>Green Belt outside plot area (OSR)</td><td>26.81</td></tr> <tr> <td>6</td><td>Green Belt along roadside</td><td>3.51</td></tr> <tr> <td>7</td><td>Solid Waste Management</td><td>10.00</td></tr> <tr> <td></td><td>Total developable area</td><td>268.11</td></tr> <tr> <td></td><td>Water bodies (which will not be encroached)</td><td>23.49</td></tr> <tr> <td></td><td>Total IP area</td><td>291.60</td></tr> </tbody> </table>		Sl.No.	Description	Area (Hectares)	1	Plot area	195.29	2	Roads and Storm water drainage	13.56	3	Common amenities (EB, Water storage, Fire Services, Administrative Office, etc.)	4.37	4	Commercial activities	14.57	5	Green Belt outside plot area (OSR)	26.81	6	Green Belt along roadside	3.51	7	Solid Waste Management	10.00		Total developable area	268.11		Water bodies (which will not be encroached)	23.49		Total IP area	291.60
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	Total IP area	291.60																																	
7)	Brief description of the project The proposal is an infrastructure development project. It involves development of roads, water supply, storm water drainage, street lights, green belt																																		



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	development, and such other amenities. Industrial Park will house industries which do not fall under EIA Notification 2009 and amendments thereof. The proposed industries include the following: • All General Engineering units such as fabrication, machining, forging, castings etc., • Auto components Industries. • Food Processing Industries. • Packaging units Any other industries that are not under the purview of EIA Notification, 2006																			
8)	Land Use Classification	Patta dry land & Govt Poramboke Land																		
9)	Green Belt																			
	<table border="1"> <thead> <tr> <th>Sl.No.</th><th>Description</th><th>Area (Hectares)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>By SIPCOT outside the plot area</td><td>58.59</td></tr> <tr> <td>2.</td><td>By SIPCOT along the Road sides and Central meridian</td><td>26.81</td></tr> <tr> <td>3.</td><td>By Member Industries (30 % of the total plot area allotted to Member Industries) i.e 30% of 195.29 Ha</td><td>3.51</td></tr> <tr> <td></td><td>Total</td><td>88.91</td></tr> <tr> <td></td><td>Percentage of Green Belt among Total developable Area of Industrial Park i.e 268.11 hectares</td><td>33.16%</td></tr> </tbody> </table>	Sl.No.	Description	Area (Hectares)	1.	By SIPCOT outside the plot area	58.59	2.	By SIPCOT along the Road sides and Central meridian	26.81	3.	By Member Industries (30 % of the total plot area allotted to Member Industries) i.e 30% of 195.29 Ha	3.51		Total	88.91		Percentage of Green Belt among Total developable Area of Industrial Park i.e 268.11 hectares	33.16%	
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10)	UTILITIES-WATER																			
	a) Total Water Requirements	4 MLD																		
	b) Source from where the water is proposed to be drawn	3 MLD Tertiary Treatment Reverse Osmosis (TTRRO) water from Thindivanam Municipality 1 MLD for drinking water from Tamil Nadu Water Supply and Drainage Board (TWAD)																		
	c) Sewage system	All member units will be mandated to																		



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	Operation cost- 50 Lakhs per annum
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Annexure 2- Affidavit

The Proponent has furnished affidavit in Twenty Rupees stamp paper attested by the Notary stating that

I Thiru. J.Kumarguruharan,JAS, Managing Director, Authorised Signatory, represent M/s State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT), 19-A, Rukmani Lakshminpathy Road, Egmore, Chennai - 600008.

We have proposed to establish an industrial park over an extent of 291.605 hectares at Pelakuppam, Kollar & Venmaniyathur villages of Tindivanam taluk, Villupuram district. An application submitted by us seeking Environmental Clearance under the EIA Notification, 2006 is under scrutiny in the Authority. I am furnishing the following undertaking to the Authority, hereby solemnly affirm and state as follows:-

1. we will develop Green belt in OSR areas and along the roadsides in 11.31 % of the total developable area of 268.11 hectares i.e 30.32 hectares. Further, we will also ensure the development of green belt in 30% of the allotted area by the member units i.e 58.59 hectares, which is 21.85% of total developable area. It will be made as a mandatory condition in the land allotment order as well as the lease deed to be executed between SIPCOT and allottees. The net area of green belt of the proposed industrial park in the post project scenario will be 88.91 hectares, which is 33.16% of the total developable area of the park.
2. We commit to SEIAA that the total water requirement for the park is 4 MLD out of which potable water would be around 1 MLD and the balance 3 MLD would be for non potable purposes. The required potable water will be obtained from Tamil Nadu Water Supply and Drainage Board (TWAD) and non potable water from Tertiary Treatment Reverse Osmosis (TTRO) plant to be setup at Tindivanam. SIPCOT is already in discussion with Commissioner of Municipal Administration (CMA) for setting up of TTRO plant. We assure that the required permission from the competent Authority for supply of water for entire period of operation will be obtained before applying for Consent for Operation (CTO) from Tamilnadu Pollution Control Board (TNPCB).



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3. We commit to SEIAA that all member units will be mandated to install "Zero Liquid Discharge" based Effluent Treatment Plants to reclaim water for recycle/reuse in their utilities and green belt development. We will mandate to member units to manage the sewage as per TNPCB norms. The solid waste stream will be sent to TNPCB approved vendors/TSDF for proper and ultimate disposal. The quantity of sewage that will be generated from SIPCOT administrative office will only be 1000 litres/day and it will be managed in septic tank followed by soak pit as on-site construction.
4. We commit to SEIAA that all member units will be mandated to provide rain water harvesting structures as per norms. SIPCOT will construct percolation tanks for harvesting the rainwater in the project office.
5. We commit to SEIAA that we will provide storm water drainage system as open concrete channels, all along the road side for ensuring proper collection of storm water and will let out in the nearby water bodies. We also assure that the storm water drain would not carry any untreated or treated sewage.
6. We commit to SEIAA that we will undertake CER activities as per norms with the approval of board of SIPCOT.
7. We also assure that our project site does not encroach any water bodies such as rivers, canals, nallas, lakes, ponds, tanks, etc., from its original boundary.
8. We are aware that we can be prosecuted under relevant Act and Rules, if we are not ensuring the adherence of the above commitment.

Commitment signed by me as an Authorized signatory of the Project Proponent before the SEIAA, Tamil Nadu.

The project activity is covered in 8(b) of the Schedule and is of B2 category. It does not require Public Consultation as per Para 7 III Stage (3) (i) (d) of EIA Notification, 2006.

The Authority after consideration all the requisite documents with status and data and based on SEAC appraisal and recommendations for issue of Environmental Clearance in its 139th meeting held on 23.11.2019, SEIAA placed the proposal in the



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362nd SEIAA meeting held on 27.11.2019 hereby conveyed Environmental Clearance along with the conditions containing four parts namely

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

Part - B –Specific Conditions – Pre construction phase

Part - C - Specific Conditions – Construction phase

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

Validity:

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

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

1. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
2. The construction of STP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.
3. The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.
4. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Water Authority, Coastal Regulatory Zone



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- Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
5. The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
 6. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
 7. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
 8. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
 9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
 10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
 11. The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme



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19. Where the trees need to be cut, compensation plantation in the ratio of 1:10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.
20. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
21. The EMP cost of Rs.1.5 Crores shall be deposited in a Nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.
22. The project activity should not cause any disturbance & deterioration of the local bio diversity.
23. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
24. All the assessed flora & fauna should be conserved and protected.
25. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
26. As per MoEF & CC, GoI, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10KM from National Park and Sanctuaries.
27. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
28. The safety measures proposed in the report should be strictly followed.
29. The Developer shall ensure that no allotment letter/ sale deed in any form shall be made to house category B industry as prescribed in the



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schedule of EIA notification 2006. However, in case any category A or category B type of industry as prescribed in the schedule of EIA notification 2006 is proposed then the individual unit shall apply and seek Environmental Clearance under the EIA notification 2006.

30. The Developer shall mandate the member industries of the Industrial Park to allot 33% of the plot area for green belt development and to install RWH structures.
31. The Developer 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.
32. The project proponent shall ensure that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of one time use on and throwaway plastics.
33. The project proponent must submit the permissible land use classification certificate obtained from competent authority for the proposed project before obtain the CTE from TNPCB.
34. The proponent shall obtain the necessary permission/ NOC of water supply from the TWAD Board/competent Authority.
35. The CER fund shall be utilized as per the office memorandum of MoEF & CC dated 01.05.2018 before obtaining CTO from TNPCB.
36. The allotted industrial units shall obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
37. The project proponent shall ensure that 33% of the total area of the project site should be covered with green belt.
38. The proponent shall provide Rain Water Harvesting pits so as to recharge the ground water table.
39. Discharge of treated sewage shall conform to the norms & standards prescribed by the Tamil Nadu Pollution Control Board.



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40. It is the sole responsibility of the proponent that the treated sewage disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
41. The Developer 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.
42. The project proponent shall ensure that all the member units should treat and dispose solid waste & E-waste as per the Solid Waste Management Rule 2016 as amended and E-Waste Management Rules, 2016
43. There shall be no discharge of effluent outside the Industrial Park at any time.
44. The Developer shall mandate the member units of the Industrial Park to install adequate APC measures/Acoustic to achieve air emissions standards within permissible limits prescribed by the CPCB.

Part - B – Specific Conditions – Pre construction phase:

1. The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
3. A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.
4. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc before commencement of the work.



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5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
6. Design of buildings should be in conformity with the Seismic Zone Classifications.
7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
8. No construction activity of any kind shall be taken up in the OSR area.
9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011
11. The Project Proponent shall provide car parking exclusively for the visiting guest in the proposed residential apartments as per CMDA norms.
12. The project proponent shall ensure the level of basement shall be above maximum flood level.
13. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details
 - i. Location of STP, compost system, underground sewer line.
 - ii. Pipe Line conveying the treated effluent for green belt development.
 - iii. Pipe Line conveying the treated effluent for toilet flushing
 - iv. Water supply pipeline
 - v. Gas supply pipe line, if proposed
 - vi. Telephone cable
 - vii. Power cable
 - viii. Storm water drains, and
 - ix. Rain water harvesting system, etc., and it shall be made available to the



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14. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
15. The present land use surrounding the project site shall not be disturbed at any point of time.
16. The green belt area shall be planted with indigenous native trees.
17. Natural vegetation listed particularly the trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.
18. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
19. The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
20. There should be Fire fighting plan and all required safety plan.
21. Regular fire drills should be held to create awareness among owners/ residents.

Part - C - Specific Conditions - Construction phase:

1. Construction Schedule:

- i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SELAA-TN.

2. Labour Welfare:

- i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
- ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.



Jagadeesh
MEMBER SECRETARY
SEIAA-TN

- iii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

3. Water Supply:

- i) The entire water requirement during construction phase may be met from ground water source from the source with approval of the PWD Department of water resources/ may be out sourced.
- ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.
- iv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.

4. Solid Waste Management:

- i) In the solid waste management plan, the STP sludge management plan for direct use as manure for gardens is not acceptable; it must be co-composted with biodegradables.
- ii) House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be



Jayanti
MEMBER SECRETARY
SEIAA-TN

segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.

- iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.
- iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.

5. Top Soil Management:

- i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.

6. Construction Debris disposal:

- i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people. The construction and demolition waste shall be managed as per Construction & Demolition Waste Management Rules, 2016.
- ii) Construction spoils, including bituminous materials and other hazardous materials, must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/ lake/ stream etc.

7. Diesel Generator sets:

- i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.



Tajinder
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SEIAA-TN

- ii) The diesel required for operating stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.
- iii) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.

8. Air & Noise Pollution Control:

- i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.
- iii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized. Parking plan to be as per DTCP norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.
- iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.

9. Building material:

- i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.
- ii) Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.



Jayaram
MEMBER SECRETARY
SEIAA-TN

- iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.

10. Storm Water Drainage:

- i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.
- ii) Storm water management plan shall be obtained by engaging the services of Anna University/ITT.

11. Energy Conservation Measures:

- i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.
- ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.
- iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.
- iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.
- v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.
- vi) Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

12. Fire Safety:



Tajani
MEMBER SECRETARY
SEIAA-TN

- i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards
- ii) Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.

13. Green Belt Development:

- i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.
- ii) The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated. in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, Viluppuram District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. If possible Miyawaki method of planting i.e planting different types of trees at very close escapement may be tried which will give a good green cover. A total of 15% of the plot area should be designated for green belt which should be raised along the boundaries of the plot and in between blocks in an organized manner
- iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.
- iv) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area and the same shall be included in the layout out plan to be submitted for DTCP approval

14. Sewage Treatment Plant:



[Signature]
MEMBER SECRETARY
SEIAA-TN

- i) The Sewage Treatment Plant (STP) installed should be certified by an independent expert/ reputed Academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.
- ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.
- iii) The project proponent shall operate and maintain the Sewage treatment Plant effectively to meet out the standards prescribed by the CPCB.
- iv) The project proponent shall continuously operate and maintain the Sewage treatment plant to achieve the standards prescribed by the CPCB.
- v) The project proponent has to ensure the complete recycling of treated sewage after achieving the standards prescribed by the CPCB.
- vi) The project proponent has to provide separate standby D.G set for the STP for the continuous operation of the STP in case of power failure.

15. Rain Water Harvesting:

- i) The proponent/ Owner of the Flats shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficiation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.
- ii) Rain water harvesting for surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.
- iii) The project activity should not cause any disturbance & deterioration of the local bio diversity.

16. Building Safety:

Lightning arrester shall be properly designed and installed at top of the building and where necessary.



Jayaram
MEMBER SECRETARY
SEIAA-TN

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

1. There should be Fire fighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.
3. House hold hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM rules 2016.
4. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
5. The project proponent has to furnish the certificate stating that the proposed site had not encroached any water body (rivers, canals, lakes, ponds, tanks, etc) from its original boundary shall be obtained from the competent authority before obtaining CTE from TNPCB.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. Solar energy saving shall be increased to atleast 10% of total energy utilization.
8. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-69/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
9. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.



[Signature]
MEMBER SECRETARY
SEIAA-TN

10. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved
11. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
12. The project activities should in no way disturb the manmade structures.
13. The Proponent shall do afforestation/ restoration programme contemplated to strengthen the open spaces shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
14. "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.
15. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
16. The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage treatment and disposal, solid waste disposal and environmental monitoring including terrace gardening for a period of 3 years. Within one year after handing over the flats to all allottees a viable society or an association among the allottees shall be formed to take responsibility of continuous maintenance of all facilities with required agreements for compliance of all conditions furnished in Environment Clearance (EC) order issued by the SEIAA-TN or the Proponent himself shall maintain all the above facilities for the entire period. The copy of MOU between the buyers Association and proponent shall be communicated to SEIAA-TN.
17. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
18. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. The treated sewage shall conform to the norms and standards for bathing quality laid down by CPCB irrespective of any use. Necessary measures should be made to mitigate the odour and mosquito problem from STP.



Tayam
MEMBER SECRETARY
SEIAA-TN

19. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
20. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
21. The E - waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016 as amended.
22. Diesel power generating sets proposed as source of back-up power during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.
23. The noise level shall be maintained as per MoEF/CPCB/TNPCR guidelines/norms both during day and night time.
24. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
25. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
26. The proponent/ Owner of the Flats shall ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
27. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
28. A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.



Jayaram
MEMBER SECRETARY
SEIAA-TN

29. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.


MEMBER SECRETARY
SEIAA-TN

Copy to:

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



TAMIL NADU WATER SUPPLY AND DRAINAGE BOARD

31, Kamarajar Salai, Chepauk, Chennai-600 005.

Dr.C.N.Mahesvaran,I.A.S.,
Managing Director,

Lr.No.F. 280518/ AEI/PDC/2018-2/Dt.02.09.2020

To
✓ The Managing Director,
SIPCOT Ltd,
19-A, Rukmani Lakshmiipatty Road,
Egmore, Chennai-8.

Sir,

Sub: Setting up Of 60 Mld Capacity Desalination Plant at Koonimedu near Marakanam in Villupuram District and Conveyance of Product Water to Villupuram and Tindivanam Municipalities, Vicravandi, Marakanam Town panchayats and 692 rural habitations in Marakanam, Kanai, Mailam, Vicravandi and Vanur unions in Villupuram Dt - 3 Mld water supply requested to SIPCOT, Tindivanam - Proportionate cost to be borne by SIPCOT - remittance of proportionate project cost - requested - reg.

Ref: 1. Chief Engineer, SIPCOT, Chennai Lr.No. CW/TIP/External Water Supply/2018/Dt.03.01.2019 addressed to CE, TWAD, Vellore.
2. EE, TWAD, RWS, Kallakurichi Lr.No. F.DSP-CWSS-1/DO/RWS/KKI/2020/Dt.8.8.2020 addressed to Project officer, SIPCOT, Cuddalore

With reference to the letter 1st cited, it is pertinent to inform the following.

- ✓ TWAD Board is proposed to install 60 mld capacity Desalination Plant at Koonimedu near Marakanam in Villupuram District for providing water supply to Villupuram and Tindivanam Municipalities, Vicravandi, Marakanam Town panchayats and 692 rural habitations in Marakanam, Kanai, Mailam, Vicravandi and Vanur unions in Villupuram Dt.
- ✓ Originally, the Detailed project report was prepared with Schedule of rates for the year 2019-20 for Rs.1450 Crore (Plant cost - Rs.615 crore & Conveyance cost - Rs.835 Crore) to install and Rs.100.27 Crore to maintain Annually (Plant - Rs.80.81 Crore & Conveyance - Rs.19.46 Crore).
- ✓ Now, the DPR has been revised with the provision for revision with Schedule of rates for the year 2020-21 for Rs.1556.00 Crore (Plant cost - Rs.665.00 crore & Conveyance cost - Rs.891.00 Crore).
- ✓ Administrative approval and fund tie up for this project is being processed by Govt intently.

- ✓ Under this Scheme, provision has been made to provide 3 MLD (30.00 LL) of water supply to SIPCOT, Tindivanam based on the request made vide reference 1st cited.
- ✓ It is proposed to supply 3.00 MLD of water to SIPCOT, Tindivanam by pumping through 25.83 Km length of Pumping main (500 mm to 300 mm DI K7 pipe) from the proposed Endur booster station (Transmission Main 2) located at 30.19 Km from Desalination Plant location site. The Flow diagram of the project is appended herewith.
- ✓ The proportionate Project cost towards supply of 3 mld to SIPCOT, Tindivanam is Rs.65.18 Crore
- ✓ Fund tie up for the project is sought for from Govt excluding the proportionate cost of Rs.65.18 Crore towards supply of 3 mld to SIPCOT, Tindivanam.

In this regard, I request you to

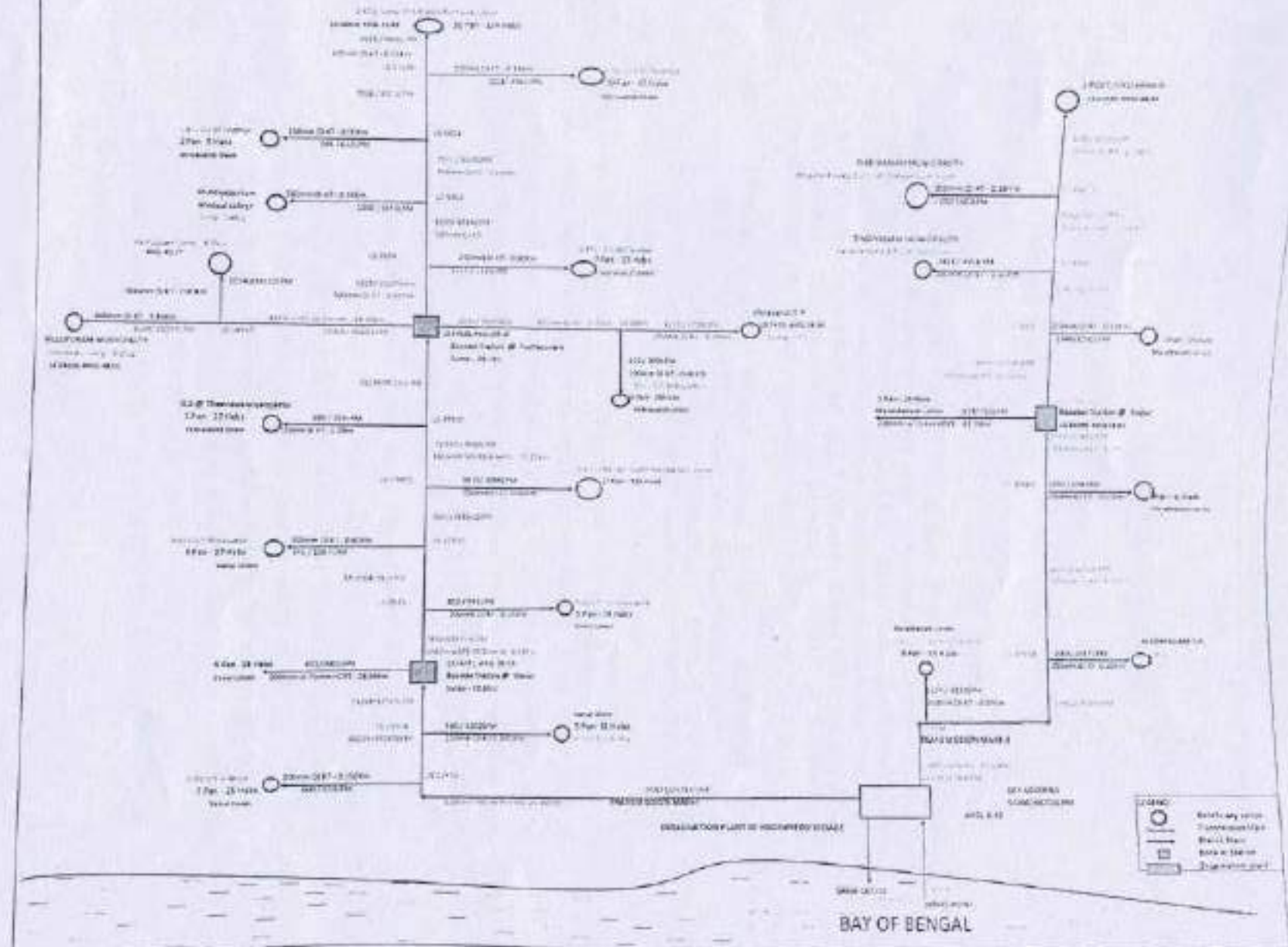
- Remit the proportionate Project Cost of Rs. 65.18 Crore to TWAD on receipt of Administrative sanction for the project from the Govt and enter upon MoU with TWAD.
- Give consent to bear excess project cost if any arises during implementation of the Scheme, on receipt of intimation from TWAD Board.

Encl: Flow Diagram of the Project.

Sd/-02.09.2020
Managing Director,
TWAD Board, Chennai-5.

[Signature] 2/9/2020
for Managing Director,
TWAD Board, Chennai-05.
[Signature]
2/9/2020

WWS TO VILLUPURAM & TIRUVANAM MUNICIPALITY, 3 TOWN PANCHAYATS, 552 RURAL HABITATIONS IN 5 PANCHAYAT UNIONS, SUBPOST TIRUVANAM AND MEDICAL COLLEGE & HOSPITAL AT MUNDEKAMPAKKAM BY SETTING UP A DSSALINATION PLANT IN KODIYERUDDI AT VILLUPURAM DISTRICT



(11)

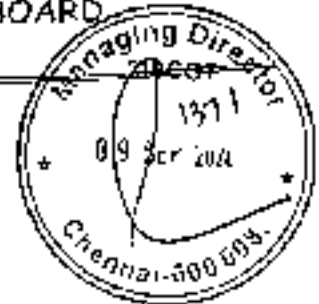
TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

31, Kamarajar Salai, Chetpauk, Chennai-5

Dr. C.N. Mahesvaran., I.A.S.,

Managing Director

Lr No F.280516/ AE1/ POC/ 2018/ dt. 05.09.2020



To

The Managing Director
SIPCOT Ltd.,
19-A, Rukmani Lakshminarayana road,
Egmore, Chennai.

Sir,

Sub: TWAD Board - SIPCOT Industrial park, Tindivanam - 3.00 mld subsurface water supply near SIPCOT Park - finalization of immediate requirement - Online registration and consent requested - reg

Ref: 1. MD, SIPCOT Lr No CW/ TIP/ W.S/2018/ dt.14.07.2020.
2. This office Lr.No. No F.280516/ AE1/ POC/ 2018/ dt.20.07.2020.
3. MD, SIPCOT Lr No CW/ IWC/ TIP/WS/2020/ dt.10.08.2020.

With reference to MD, SIPCOT's request vide reference 1st cited to expedite the investigation for supply of 3 mld by sparing from the existing water supply scheme of TWAD Board, MD, SIPCOT was addressed vide reference 2nd cited informing that

- ✓ There are no existing WS schemes in Cuddalore and Villupuram Districts from which 3 MLD could be spared to SIPCOT, Tindivanam.
- ✓ Apart from the source identified for supply of 0.5 mld from the **subsurface source nearby park** by constructing 3 or 4 open wells, another 0.50 mld would be possible to tap from the **palakuppam panchayat of Tindivanam taluk** by construction of 3 to 4 open wells for which necessary permission from the Panchayat is to be obtained for industrial supply by SIPCOT.
- ✓ Also, suggested around 30 nos. of open wells from **Veedur dam** assuming yield of 100-110LPM

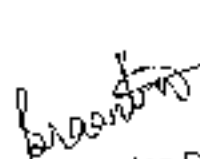
Now, in the reference 3rd cited it has been requested to confirm the feasibility of drawal of 3 mld surface water from Veedur dam.

In this regard, HG, Chennai after carrying out thorough hydrogeological investigation of dam ruled out the Veedur Dam option citing that

- ✓ excavation of open wells outside the Veedur dam is not feasible since there are no spaces
- ✓ it is not possible to excavate wells inside also since the parapet wall of wells to be raised to Dam height of 32 ft to prevent submergence when the reservoir is full.

Further the HG has suggested that an immediate requirement of around 1 MLD is possible for drawal from the existing (50 Nos) of open wells in SIPCOT premises by carrying out suitable rejuvenation works. .

On finalization of immediate requirement by SIPCOT and on completion of online registration , remittance of upfront deposit and furnishing consent for 'ToR' of TWAD Board as already requested vide reference 2nd cited , investigation works will be taken up by TWAD.


for Managing Director
TWAD Board -- Chennai-5
5/9/2020

**TAMILNADU POLLUTION CONTROL BOARD**

Category of the Industry :

RED**CONSENT ORDER NO. 2101231962104****DATED: 16/03/2021.****PROCEEDINGS NO.T2/TNPCB/F.1357VPM/RL/VPM/A/2021 DATED: 16/03/2021**

SUB: TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK AT THINDIVANAM, S.F. No. 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt, 55pt of Venmaniyathoor Village and 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, PELAKUPPAM village, Tindivanam Taluk and Villupuram 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 for CTE – New on 19.06.2020/ 27-02-2021
 2. IR.No : F.1357VPM/RL/AE/VPM/2020 dated 18/12/2020
 3. Minutes of TSC Resolution No. 185-3 Dated 20.01.2021
 4. Minutes of TSC Resolution No. 186-13 Dated 10.03.2021

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

The Managing Director,

M/s . SIPCOT INDUSTRIAL PARK AT THINDIVANAM

S.F No.181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt, 55pt of Venmaniyathoor Village and 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, PELAKUPPAM Village, Tindivanam Taluk, Villupuram District.

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

S.F No. 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt, 55pt of Venmaniyathoor Village and 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, PELAKUPPAM Village, Tindivanam Taluk, Villupuram District.

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



TAMILNADU POLLUTION CONTROL BOARD

G. Gopalakrishnan

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

To
The Managing Director,
M/s.SIPCOT INDUSTRIAL PARK AT THINDIVANAM,
State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT),
No.19-A, Rukmani Lakshminipathy Road,
Egmore, Chennai.,
Pin: 600008

Copy to:

1. The Commissioner, MYLAM-Panchayat Union, Tindivanam Taluk, Villupuram District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, VILLUPURAM.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.
4. File





TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

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

Sl. No.	Description	Quantity	Unit
Product Details			
1.	SIPCOT Industrial Park at Thindivanam is an infrastructure development project which involves development of Industrial plots, development of roads, water supply, storm water drainage, street lights, green belt development and such other amenities.	291.60.5	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:**

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.

4. **Additional Conditions:**

1. The unit shall comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Lr.No.SEIAA-TN/F.6497/EC/8(b)/681/2019 Dated 27.11.2019.
2. The unit shall ensure that no process emission is let out from its activity.
3. 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.
4. The unit shall install Continuous Ambient Air Quality Monitoring System (CAAQMS) stations in the downwind and upwind directions and shall connect the same to CAC, TNPCB, Chennai.
5. The unit shall provide odour control mechanism individually or through the member units for the containment of odour emitting from the industries.
6. The unit shall remit consent fee in case of revision by the Government.

G. Gopalakrishnan

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Digitally signed by G. Gopalakrishnan
DN: cn=G. Gopalakrishnan, o=Tamil Nadu Pollution Control Board, ou=Engineering Department, email=gopalakrishnan@tnpcb.org, c=IN
Date: 2020.06.10 10:06:10 +05'30'



TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

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

G. Gopalakrishnan

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai



TAMILNADU POLLUTION CONTROL BOARD

006354



Category of the Industry :

RED

CONSENT ORDER NO. 2101131962104

DATED: 16/03/2021

PROCEEDINGS NO.T2/TNPCB/F.1357VPM/RL//VPM/W/2021 DATED: 16/03/2021



SUB: TNPC Board-Consent for Establishment-M/S SIPCOT INDUSTRIAL PARK AT THINDIVANAM S.F No. 181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt, 55pt of Venmaniyathoor Village and 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, PELAKUPPAM Village, Tindivanam Taluk, Villupuram 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 for CTE - New on 19.06.2020/ 27-02-2021
2. IR.No : F.1357VPM/RL/AE/VPM/2020 dated 18/12/2020
3. Minutes of TSC Resolution No. 185-3 Dated 20.01.2021
4. Minutes of TSC Resolution No. 186-13 Dated 10.03.2021

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

The Managing Director,

SIPCOT INDUSTRIAL PARK AT THINDIVANAM

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

S.F. No.181pt, 182, 183, 184, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213pt, 214, 237, 244, 245 & 246pt of Kollar Village, 46pt, 47pt, 48pt, 50pt, 51, 52pt, 53pt, 55pt of Venmaniyathoor Village and 1, 2, 3, 4, 5, 6, 10pt, 13pt, 14, 15, 16, 17, 18, 19, 20, 21pt, 22/1, 2, 32, 33, 34, 35, 36, 37, 38pt, 39, 40, 41, 42, 43/1pt, 2, 45, 46, 47, 48/1, 49, 50, 51, 52, 53, 54, 55, 56, 57, 60, 61/1, 2, 3pt, 62, 63, 64, 118, 120, 121, 123, 125, 126, 129 of Pelakuppam Village, PELAKUPPAM Village, Tindivanam Taluk, Villupuram District.

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

G. Gopalakrishnan

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Managing Director,
M/s.SIPCOT INDUSTRIAL PARK AT THINDIVANAM,
State Industries Promotion Corporation of Tamilnadu Limited (SIPCOT),
No.19-A, Rukmani Lakshmiipathy Road,
Egmore, Chennai.,



TAMILNADU POLLUTION CONTROL BOARD

Pin: 600008

Copy to:

1. The Commissioner, MYLAM-Panchayat Union, Tindivanam Taluk, Villupuram District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, VILLUPURAM.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.
4. File





TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

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

Sl. No.	Description	Quantity	Unit
Product Details			
1.	SIPCOT Industrial Park at Thindivanam is an infrastructure development project which involves development of Industrial plots, development of roads, water supply, storm water drainage, street lights, green belt development and such other amenities.	291.60.5	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 2.3 x 1.9
2.	Soak pit	1	1.0 m dia x 2.5 m Ht
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	0.13	On Industrys own land
Effluent Type : Trade Effluent			

4. **Additional Conditions:**



TAMILNADU POLLUTION CONTROL BOARD

1. The unit shall comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Lr.No.SEIAA-TN/F.6497/EC/8(b)/681/2019 Dated 27.11.2019.
2. 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.
3. The unit shall start its establishment activities only after getting the necessary project/building approvals from the competent authorities.
4. This consent order does not absolve from obtaining necessary permission / Clearance from other Authority or under other statutes as applicable.
5. The stability of the entire building/ STP does not falls under the purview of the TNPCB Board.
6. 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.
7. The unit shall monitor the ground water in and around the unit premises periodically, so as to assess its quality and submit the same to the Board.
8. 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.
9. The unit shall obtain the necessary permission / NOC of water supply from the TWAD Board / competent Authority.
10. 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.
11. The SIPCOT shall obtain NOC from competent authority for the withdrawal of 1 MLD of water from 50 Nos of open wells in its premises.
12. The unit shall ensure that the allotted industrial units obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.
13. Compensation is to be paid for land acquisition as fixed by the District Collector and District Magistrate as civil liability.
14. 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.
15. The SIPCOT shall ensure that the allotted units not dig any well or bore well inside their premises for drawing of ground water.
16. 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.
17. 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.
18. The proponent shall provide Rain Water Harvesting pits so as to recharge the ground water table.
19. The unit shall allot 5% (10 Hectare) of the total plot area (180.65 Hectare) for Solid Waste Management as reported in the unit's letter dated 26.02.2021.
20. 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.
21. The project generating more than 20 tons of construction and demolition waste or more in one day or 300 tons per project in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorised processing facilities of construction and demolition waste and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public or drains.
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 remit consent fee in case of revision by the Government.

G. Gopalakrishnan

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai



TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

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

G. Gopalakrishnan

For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

Digitally signed by G. Gopalakrishnan
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Date: 2023.08.24 10:10:10 +05'30'



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TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000923F Report Date 06.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Tindivanam	
Sample Drawn by	: LES	
Date of Monitoring	: 25.02.2026 & 26.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location :Project Area		Temperature :32.0°C
Sample Code	: LES2602457	Humidity :67%
Sample Received On	:27.02.2026	Report Number :LES0923
Test Commenced On	:27.02.2026	Test Completed On :06.03.2026

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	20.3	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	79.9	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	9.2	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	10.9	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

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

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
1 of 1

U.ANBARASAN
Quality Manager

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



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TEST REPORT

Job No.	581/25-26	ULR No.	TC151312600000924F	Report Date	06.03.2026
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Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Tindivanam	
Sample Drawn by	: LES	
Date of Monitoring	: 25.02.2026 & 26.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location :Vempundi		Temperature :31.0°C
Sample Code	: LES2602458	Humidity :70%
Sample Received On	:27.02.2026	Report Number :LES0924
Test Commenced On	:27.02.2026	Test Completed On :06.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m³	22.4	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m³	88.2	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	14.8	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



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. 581/25-26 ULR No. TC1513126000000925F Report Date 06.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Tindivanam	
Sample Drawn by	: LES	
Date of Monitoring	: 25.02.2026 & 26.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	:Agoor	Temperature :32.0°C
Sample Code	: LES2602459	Humidity :68%
Sample Received On	:27.02.2026	Report Number :LE50925
Test Commenced On	:27.02.2026	Test Completed On :06.03.2026

S.No	Description	Method of Reference	Units	Results	*Max Limits (CPCB)
1.	Particulate Matter PM 2.5	IS:5182 (Part-24)2019	µg/m³	21.3	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m³	81.8	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m³	11.1	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m³	14.8	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



Authorized Signatory

Note: BLQ – Below Limit of Quantification
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****End of Report****
1 of 1

U. ANBARASAN
Quality Manager

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TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000926F Report Date 06.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Tindivanam	
Sample Drawn by	: LES	
Date of Monitoring	: 25.02.2026 & 26.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	:Botheri	Temperature :34.0°C
Sample Code	: LES2602460	Humidity :66%
Sample Received On	:27.02.2026	Report Number :LES0926
Test Commenced On	:27.02.2026	Test Completed On :06.03.2026

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	19.8	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	88.9	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	9.6	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	9.8	80 (24 Hours) 40 (Annual)
5.	Carbon Monoxide as CO	IS:5182 (Part-10)1999	mg/m ³	BLQ (LOQ:1.15)	02 (8 Hours) 04 (1 Hour)
6.	Ammonia as NH ₃	IS:5182 (Part-25)2018	µg/m ³	BLQ (LOQ :20.0)	400 (24 Hours) 100 (Annual)
7.	Ozone as O ₃	IS:5182 (Part-9)1974	µg/m ³	BLQ (LOQ :20.0)	180 (1 Hour) 100 (8 Hours)
8.	Lead as Pb	IS:5182 (Part-22)2004	µg/m ³	BLQ (LOQ :0.001)	1.0 (24 Hours) 0.5 (Annual)
9.	Arsenic as As	AES/INS/AAS/SOP/004	ng/m ³	BLQ (LOQ:0.1)	06 (Annual)
10.	Nickel as Ni	IS:5182 (Part-26)2020	ng/m ³	BLQ (LOQ:5.0)	20 (Annual)
11.	Benzo (a) Pyrene Bap	IS:5182 (Part-12)2004	ng/m ³	BLQ (LOQ :0.02)	01 (Annual)
12.	Benzene as C ₆ H ₆	IS:5182 (Part-11)2006	µg/m ³	BLQ (LOQ :0.5)	05 (Annual)
13.	Total Volatile Organic Compounds	USEPA 21:2017	µg/m ³	BLQ (LOQ:0.5)	---

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

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



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TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000927F Report Date 06.03.2026

Sample Description	: Ambient Air Quality	
Customer Name	: M/s.SIPCOT Limited,	
Customer Address	: Tindivanam	
Sample Drawn by	: LES	
Date of Monitoring	: 25.02.2026 & 26.02.2026	Sampling Method : LES/EN/GEN/SOP/002
Location	:Pampundi	Temperature :33.0°C
Sample Code	: LES2602461	Humidity :69%
Sample Received On	:27.02.2026	Report Number :LES0927
Test Commenced On	:27.02.2026	Test Completed On :06.03.2026

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	21.3	60 (24 Hours) 40 (Annual)
2.	Particulate Matter PM 10	IS:5182 (Part-23)2006	µg/m ³	89.6	100 (24 Hours) 60 (Annual)
3.	Sulphur Dioxide as SO ₂	IS:5182 (Part-2) Sec 1:2023	µg/m ³	11.6	80 (24 Hours) 50 (Annual)
4.	Nitrogen Dioxide as NOX	IS:5182 (Part-6)2006	µg/m ³	14.3	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.

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TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000928F Report Date 06.03.2026

Sample Description : Ambient Noise Levels
Customer Name : M/s.SIPCOT Limited,
Customer Address : Tindivanam
Sample Drawn by : LES
Date of Monitoring : 26.02.2026
Sample Code : LES2602462
Test Commenced On : 27.02.2026
Report Number : LES0928
Sampling Method : LES/EN/GEN/SOP/006
Test Method : IS: 9989-1981
Sample Received On : 27.02.2026
Test Completed On : 06.03.2026

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	46.6	52.2	49.4	36.1	41.2	38.5
2.	Vempundi	42.9	53	49	38.3	43.1	40.8
3.	Agoor	47.3	52.3	49.8	35.8	40.9	38.5
4.	Botheri	42.4	53.2	48.4	38.9	40.1	39.5
5.	Pampundi	43.4	50.5	47.8	35.9	44	40.3
LIMITS – INDUSTRIAL AREA		Day Time - Max		75 dB(A)	Night Time - Max		70 dB(A)
LIMITS – RESIDENTIAL AREA		Day Time - Max		55 dB(A)	Night Time - Max		45 dB(A)

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

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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. 581/25-26 Report No. TC151312600000929F Report Date 06.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602463	Sample Condition : Clear Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Project Area	Report Number: LES0929

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	604	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	8.21	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	19.64	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	13	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	121.6	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. 581/25-26 Report No. TC1513126000000929F Report Date 06.03.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	86.78	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	150	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	343.33	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	384.8	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	83.35	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	11.59	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-0.82	---	---
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	343.33	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	943	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	31.23	---	---
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	0.08	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.2	---	---

*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. 581/25-26 Report No. TC151312600000929F Report Date 06.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602463	Sample Condition : Clear Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
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. 581/25-26 Report No. TC1513126000000930F Report Date 06.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LE52602464	Sample Condition : Clear Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Vempundi	Report Number: LES0930

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	401	500	2000
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.62	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	21.02	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	8.4	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	93.53	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. 581/25-26 Report No. TC1513126000000930F Report Date 06.03.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	30.86	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	124	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	225	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	320.32	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	54.54	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	5.51	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	-1.9	---	---
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	225	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	626	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	26.62	---	---
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	0.08	---	---
39.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.5	---	---

*As Per IS 10500 Drinking Water Specification Acceptable Limits

** As Per IS 10500 Drinking Water Specification Permissible Limits

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by



Authorized Signatory

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

End of Report
2 of 2

U. ANBARASAN
Quality Manager

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TEST REPORT

Job No. 581/25-26 Report No. 26000000930 Report Date 06.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LE52602464	Sample Condition : Clear Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Vempudi	

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



End of Report

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Quality Manager

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TEST REPORT

Job No. 581/25-26 Report No. TC151312600000931F Report Date 06.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602465	Sample Condition : Clear Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Botheri	Report Number: LES0931

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	1504	500	2000
4.	pH @ 25°C	IS:3025 (Part-11) 2022	---	8.22	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	10.61	30	100
8.	Nitrate as NO ₃	APHA 24 th Edition 2023 4500 NO ₃ -B	mg/L	32	45	45
9.	Barium as Ba	APHA 24 th Edition 2023 3111 D	mg/L	BLQ (LOQ:0.5)	0.7	0.7
10.	Calcium as Ca	IS:3025 (Part-40) 1991	mg/L	65.73	75	200
11.	Iron as Fe	IS:3025 (Part-53) 2003	mg/L	BLQ (LOQ:0.05)	1.0	1.0
12.	Manganese as Mn	APHA 24 th Edition 2023 3111 B	mg/L	BLQ (LOQ:0.04)	0.1	0.3
13.	Arsenic as As	APHA 24 th Edition 2023 3114 C	mg/L	BLQ (LOQ:0.002)	0.01	0.05
14.	Mercury as Hg	APHA 24 th Edition 2023 3112 B	mg/L	BLQ (LOQ:0.0005)	0.001	0.001
15.	Copper as Cu	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.03)	0.05	1.5
16.	Zinc as Zn	APHA 24 th Edition 2023 3111 - B	mg/L	BLQ (LOQ:0.02)	5	15
17.	Selenium as Se	APHA 24 th Edition 2023 3114 - C	mg/L	BLQ (LOQ:0.001)	0.01	0.01
18.	Boron as B	APHA 24 th Edition 2023 4500 B B	mg/L	BLQ (LOQ:0.1)	0.5	1.0
19.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)	0.05	0.05

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TEST REPORT

Job No. 581/25-26 Report No. TC1513126000000931F Report Date 06.03.2026

S.No	Description	Method of Reference	Units	Results	*Limits (Max)	**Limits (Max)
20.	Chloride as Cl	IS:3025 (Part-32)1988	mg/L	414.62	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	268	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	500	200	600
25.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	208	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	218.08	---	---
28.	Potassium as K	IS:3025 (Part-45)1993	mg/L	32.71	---	---
29.	Residual Sodium Carbonate	IS:11624-2019	meq/L	5.85	---	---
30.	Hexavalent Chromium as Cr ⁶⁺	IS:3025 (Part-52)2003	mg/L	BLQ (LOQ:0.02)	---	---
31.	Biochemical Oxygen Demand (3 days incubation @27°C)	IS:3025 (Part-44)2023	mg/L	BLQ (LOQ:2.0)	---	---
32.	Chemical Oxygen Demand	IS:3025 (Part-58)2023	mg/L	BLQ (LOQ:4.0)	---	---
33.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ (LOQ:2.0)	---	---
34.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	500	---	---
35.	Electrical Conductivity @25°C	IS:3025 (Part-14)2013	µs/cm	2350	---	---
36.	Percent Sodium	AES/EN/WAT/SOP/001	%	65.51	---	---
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	0.69	---	---
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

End of Report
2 of 2

U.ANBARASAN
Quality Manager

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TEST REPORT

Job No. 581/25-26 Report No. 26000000931 Report Date 06.03.2026

Sample Description: Ground Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Ground Water	Qty Sample Received: 5 Ltrs
Sample Code:LES2602465	Sample Condition : Clear Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Botheri	

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. 581/25-26 ULR No. TC1513126000000932F Report Date 06.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602465	Sample Condition : Slightly Turbid Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Pond Near Vempundi	Report Number: LES0932

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	374
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	7.9
5.	Free Ammonia as NH ₃	IS:3025 (Part-34)1988	mg/L	BLQ (LOQ:0.2)
6.	Magnesium as Mg	IS:3025 (Part-46)2023	mg/L	10
7.	Nitrate as NO ₃	APHA 24th Edition 2023 4500 NO ₃ -B	mg/L	5.98
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	118
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. 581/25-26 ULR No. TC1513126000000932F Report Date 06.03.2026

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	148
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	146
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	44
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	660
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	0.36
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.6

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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



End of Report
2 of 2

Authorized Signatory

U. ANBARASAN
Quality Manager

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TEST REPORT

Job No. 581/25-26 Report No. 1513126000000932 Report Date 06.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602465	Sample Condition : Slightly Turbid Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Pond Near Vempundi	

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	0.24
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	38.73
8.	Cyanide as CN	APHA 24 th Edition 4500 CN C,E:2023	mg/L	BLQ (LOQ:0.01)
9.	Anionic Detergents as MBAS	APHA 24 th Edition 2023 5540 B,C	mg/L	BLQ (LOQ:0.05)
10.	Carbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	BLQ(LOQ:2.0)
11.	Bicarbonate Alkalinity	APHA 24 th Edition 2320 B :2023	mg/L	148

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. 581/25-26 ULR No. TC1513126000000933F Report Date 06.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602466	Sample Condition : Slightly Turbid Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Botheri Lake	Report Number: LES0933

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	360
4.	pH @ 25°C	IS:3025 (Part-11)2022	---	8
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	12
7.	Nitrate as NO3	APHA 24th Edition 2023 4500 NO3-B	mg/L	6.6
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	22
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	131
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. 581/25-26 ULR No. TC151312600000933F Report Date 06.03.2026

S.No	Description	Method of Reference	Units	Results
20.	Sulphate as SO ₄	APHA 24 th Edition 2023 4500 SO ₄ E	mg/L	42
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	110
23.	Total Hardness as CaCO ₃	IS:3025 (Part-21)2009	mg/L	116
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	72
26.	Potassium as K	IS:3025 (Part-45)1993	mg/L	15
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	610
31.	Total Phosphorous as P	IS:3025(Part-31) Sec 1:2022	mg/L	BLQ(LOQ:0.1)
32.	Sodium adsorption Ratio	IS:11624:2019	meq/L	1.24
33.	Dissolved Oxygen	IS:3025 (Part - 38) 1989	mg/L	6.4

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LOQ – Limit of Quantification



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TEST REPORT

Job No. 581/25-26 Report No. 151312600000933 Report Date 06.03.2026

Sample Description: Surface Water	
Customer Name: M/s.SIPCOT Limited,	
Customer Address : Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/001
Sample Name: Surface Water	Qty Sample Received: 5 Ltrs
Sample Code: LES2602466	Sample Condition : Slightly Turbid Liquid
Sampling Date : 26.02.2026	Sample Received On: 27.02.2026
Test Commenced On: 27.02.2026	Test Completed On: 06.03.2026
Sampling Location : Botheri 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	0.12
7.	Percent Sodium	AES/EN/WAT/SOP/001	%	55.9
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	110

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TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000934F Report Date 06.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602466	Sample Condition : Fit for analysis
Sampling Date : 26.02.2026	Sample Received On:27.02.2026
Test Commenced On:27.02.2026	Test Completed On:06.03.2026
Sampling Location : Project Area	Report Number: LES0934

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	—	6.58
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	307.9
3.	Total Sand	AES/EN/SLS/SOP/017	%	56
4.	Silt	AES/EN/SLS/SOP/017	%	10
5.	Clay	AES/EN/SLS/SOP/017	%	28
6.	Bulk Density	AES/EN/SLS/SOP/001	—	1.33
7.	Moisture	IS 2720 (Part - 2)1973	%	6.7
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	150
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.95
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.64
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	17.24
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	186
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	22.4
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	5.6
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	6.3
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	31.3
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	8.5
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	20
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.9
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	3.7
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.9

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TEST REPORT

Job No. 581/25-26 Report No. 26000000934 Report Date 06.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602466	Sample Condition : Fit for analysis
Sampling Date : 26.02.2026	Sample Received On:27.02.2026
Test Commenced On:27.02.2026	Test Completed On:06.03.2026
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	1.3
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

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Quality Manager

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TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000935F Report Date 06.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602467	Sample Condition : Fit for analysis
Sampling Date : 26.02.2026	Sample Received On:27.02.2026
Test Commenced On:27.02.2026	Test Completed On:06.03.2026
Sampling Location : Vempundi	Report Number: LES0935

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.83
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	281.5
3.	Total Sand	AES/EN/SLS/SOP/017	%	55
4.	Silt	AES/EN/SLS/SOP/017	%	11
5.	Clay	AES/EN/SLS/SOP/017	%	29
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.3
7.	Moisture	IS 2720 (Part - 2)1973	%	7
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	170
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.99
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.71
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	14.07
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	193
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	21
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	5.4
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	6.2
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	31.8
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	27
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	26
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.95
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	14.8
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	5.6
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	7.5

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TEST REPORT

Job No.	581/25-26	Report No.	26000000935	Report Date	06.03.2026
Sample Description: Soil/ Sediments					
Customer Name: M/s.SIPCOT Limited,					
Customer Address: Tindivanam					
Sample Drawn by: LES			Sampling Method : LES/EN/GEN/SOP/009		
Sample Name: Soil			Qty Sample Received: 2 Kgs		
Sample Code: LES2602467			Sample Condition : Fit for analysis		
Sampling Date : 26.02.2026			Sample Received On:27.02.2026		
Test Commenced On:27.02.2026			Test Completed On:06.03.2026		
Sampling Location : Vempundi					

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	1.3
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

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TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000936F Report Date 06.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602468	Sample Condition : Fit for analysis
Sampling Date : 26.02.2026	Sample Received On:27.02.2026
Test Commenced On:27.02.2026	Test Completed On:06.03.2026
Sampling Location : Agoor	Report Number: LES0936

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.77
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	297.7
3.	Total Sand	AES/EN/SLS/SOP/017	%	48
4.	Silt	AES/EN/SLS/SOP/017	%	15
5.	Clay	AES/EN/SLS/SOP/017	%	32
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.28
7.	Moisture	IS 2720 (Part - 2)1973	%	5.1
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	146
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.65
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.12
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	21.43
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	129
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 9081:1986	meq/100g	5.5
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	24.5
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	33
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	19
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.66
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.7
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	3.4
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.6

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TEST REPORT

Job No.	581/25-26	Report No.	26000000936	Report Date	06.03.2026
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Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602468	Sample Condition : Fit for analysis
Sampling Date : 26.02.2026	Sample Received On:27.02.2026
Test Commenced On:27.02.2026	Test Completed On:06.03.2026
Sampling Location : Agoor	

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	1.4
3.	Colour	LES/EN/SLS/SOP/032	---	Brownish

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TEST REPORT

Job No. 581/25-26 ULR No. TC1513126000000937F Report Date 06.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602469	Sample Condition : Fit for analysis
Sampling Date : 26.02.2026	Sample Received On:27.02.2026
Test Commenced On:27.02.2026	Test Completed On:06.03.2026
Sampling Location : Botheri	Report Number: LES0937

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.41
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	369.5
3.	Total Sand	AES/EN/SLS/SOP/017	%	55
4.	Silt	AES/EN/SLS/SOP/017	%	12
5.	Clay	AES/EN/SLS/SOP/017	%	29
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.32
7.	Moisture	IS 2720 (Part - 2)1973	%	5.4
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	139
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	1.01
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.74
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	24.76
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	198
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	24.4
14.	Exchangeable Magnesium as Mg	AES/EN/SLS/SOP/011	mg/kg	6.4
15.	Cation Exchange Capacity	EPA 9081:1986	meq/100g	6.6
16.	Water Holding Capacity	AES/EN/SLS/SOP/005	%	32
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	26.7
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.98
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	17.8
21.	Cadmium as Cd	USEPA 7000B & EPA 3050 B - 1996	mg/kg	BLQ (LOQ:2.0)
22.	Iron as Fe	USEPA 7000B & EPA 3050 B - 1996	mg/kg	2.5
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.2

For LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

Verified by

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



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

1 of 1

Authorized Signatory

U. ANBARASAN
Quality Manager

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



LOTUS ENVIRO SYSTEMS PRIVATE LIMITED

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

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

TEST REPORT

Job No.	581/25-26	Report No.	26000000937	Report Date	06.03.2026
Sample Description: Soil/ Sediments					
Customer Name: M/s.SIPCOT Limited,					
Customer Address: Tindivanam					
Sample Drawn by: LES			Sampling Method : LES/EN/GEN/SOP/009		
Sample Name: Soil			Qty Sample Received: 2 Kgs		
Sample Code: LES2602469			Sample Condition : Fit for analysis		
Sampling Date : 26.02.2026			Sample Received On:27.02.2026		
Test Commenced On:27.02.2026			Test Completed On:06.03.2026		
Sampling Location : Botheri					

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	1.2
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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www.lotusenviro.in ☎ +91 44 43539680



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

TEST REPORT

Job No. 581/25-26 ULR No. TC151312600000938F Report Date 06.03.2026

Sample Description: Soil/ Sediments	
Customer Name: M/s.SIPCOT Limited,	
Customer Address: Tindivanam	
Sample Drawn by: LES	Sampling Method : LES/EN/GEN/SOP/009
Sample Name: Soil	Qty Sample Received: 2 Kgs
Sample Code: LES2602470	Sample Condition : Fit for analysis
Sampling Date : 26.02.2026	Sample Received On:27.02.2026
Test Commenced On:27.02.2026	Test Completed On:06.03.2026
Sampling Location : Pampundi	Report Number: LES0938

S.No	Description	Method of Reference	Units	Results
PHYSICAL PARAMETERS				
1.	pH @25°C	IS:2720 (Part 26)1987	---	6.55
2.	Electrical Conductivity @25°C	IS:14767:2000	µs/cm	275.1
3.	Total Sand	AES/EN/SLS/SOP/017	%	57
4.	Silt	AES/EN/SLS/SOP/017	%	14
5.	Clay	AES/EN/SLS/SOP/017	%	25
6.	Bulk Density	AES/EN/SLS/SOP/001	---	1.27
7.	Moisture	IS 2720 (Part - 2)1973	%	6.3
CHEMICAL PARAMETERS -				
8.	Manganese as Mn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	148
9.	Total Organic Carbon	AES/EN/SLS/SOP/019	%	0.97
10.	Total Organic matter	IS:2720 (Part -22)1972	%	1.67
11.	Available Potassium as K	AES/EN/SLS/SOP/018	mg/kg	22.01
12.	Total Nitrogen as N	IS:14684:1999	mg/kg	190
13.	Exchangeable Calcium as Ca	AES/EN/SLS/SOP/011	mg/kg	21.2
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	%	31.4
17.	Available Phosphorous as P	AES/EN/SLS/SOP/012	mg/kg	26.8
18.	Zinc as Zn	USEPA 7000B & EPA 3050 B - 1996	mg/kg	20
19.	Boron as B	AES/EN/SLS/SOP/015	mg/kg	0.92
20.	Chromium as Cr	USEPA 7000B & EPA 3050 B - 1996	mg/kg	16.3
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	3.6
23.	Copper as Cu	USEPA 7000B & EPA 3050 B - 1996	mg/kg	6.8

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.	581/25-26	Report No.	26000000938	Report Date	06.03.2026
Sample Description: Soil/ Sediments					
Customer Name: M/s.SIPCOT Limited,					
Customer Address: Tindivanam					
Sample Drawn by: LES			Sampling Method : LES/EN/GEN/SOP/009		
Sample Name: Soil			Qty Sample Received: 2 Kgs		
Sample Code: LES2602470			Sample Condition : Fit for analysis		
Sampling Date : 26.02.2026			Sample Received On:27.02.2026		
Test Commenced On:27.02.2026			Test Completed On:06.03.2026		
Sampling Location : Pampundi					

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	1.2
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 – TINDIVANAM

ENVIRONMENTAL MONITORING PHOTOGRAPHS

AMBIENT AIR QUALITY MONITORING PHOTOGRAPHS:

Project Site



Vempundi



Agoor



Botheri



Pampundi



NOISE SAMPLING PHOTOGRAPHS

Project site	Vempundi
 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 is 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 is a dry, open field with some trees in the distance.
Agoor	Botheri
 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 is 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 is a dry, open field with some trees in the distance.
Pampundi	
 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 is a dry, open field with some trees in the distance.	

SOIL SAMPLING PHOTOGRAPHS

Project site	Vempundi
	
Agoor	Botheri
	
Pampundi	
	

GROUND WATER SAMPLING PHOTOGRAPHS

Project site	Botheri
 Tindivanur, Tamil Nadu, India 800-5375, Tindivanur, Tamil Nadu, India Lat: 11.228847, Long: 78.435447 Thumbnail: 2017/02/20 09:21 AM GMT+5:30	 Tindivanur, Tamil Nadu, India 800-5375, Tindivanur, Tamil Nadu, India Lat: 11.228847, Long: 78.435447 Thumbnail: 2017/02/20 09:21 AM GMT+5:30
Vempundi	
 Vempundi, Tamil Nadu, India 800-5375, Vempundi, Tamil Nadu, India Lat: 11.228847, Long: 78.435447 Thumbnail: 2017/02/20 09:21 AM GMT+5:30	

SURFACE WATER SAMPLING PHOTOGRAPHS

Vempundi Lake



Botheri Lake



SIPCOT | State Industries Promotion Corporation of Tamil Nadu

sipcotweb.tn.gov.in/Environment_clearance

Ask Google

Action required

Vallam Vadagal - I Kancheepuram		Aerospace Park Kancheepuram	
Vallam Vadagal - II Kancheepuram		Manaparai Tiruchirappalli	
Tindivanam Vilupuram		Manallur Tiruvallur	
Thoothukudi - II Thoothukudi		Nemili Kancheepuram	

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Govt. of Tamil Nadu

SIPCOT has nurtured the development of 50 Industrial Parks including 8 SEZs, spread over 24 districts in a

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19-A, RUKMANI
LAKSHMIPATHY ROAD
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008.

 **Phone**

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Action required

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COMPLIANCE REPORTS

Compliance Report -
Thervoy Kandigai for Dec
2025



Compliance Report -
Pillaipakkam for Dec 2025



Compliance Report -
Vallam Vadagal I for Dec
2025



Compliance Report - Vaipur
Mathur for Dec 2025



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

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- > Compliance Reports
- > Environment Policy

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12:26 PM 18-03-2026



SIPCOT

EC/Tindivanam/HYC/Dec/2025

Date: 28.11.2025

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

Sir/Madam,

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

Ref: EC vide Letter No. SEIAA-TN/F.6497/EC/8(b)/681/2019 dated: 27.11.2019

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Pelakuppam, Venmaniyathoor, Kollar Villages of Thindivanam Taluk, Villupuram District, Tamil Nadu for December 2025 (i.e., for the period of April 2025 to September 2025) along with the supporting documents for your perusal.

Thanking you

Yours faithfully,

CONSULTANT (PROJECT MANAGEMENT)

Encl: As above.

Copy to:

1. The Director,
The Ministry of Environment and Forest & Climate Change,
Integrated Regional Office,
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam, Chennai – 600 006
2. The Director,
Central Pollution Control Board,
Regional Directorate - Chennai,
2nd Floor, 40-E, BSNL Building,
TVK Industrial Estate, CIPET Road, Guindy,
Chennai - 600 032.



P.T.O.

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

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

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



SIPCOT Industrial Park, Tindivanam - 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 10:56 PM

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

Cc: PO Tindivanam <potdm@sipcot.in>

Bcc: Sowmya <sowmya@itcot.com>

Sir/Madam,

Ref: EC obtained from SEIAA vide Letter No. SEIAA-TN/F.6497/EC/8(b)/681/2019 Dated: 27.11.2019

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 Pelakuppam, Venmaniyathoor and Kollar Villages, Thindivanam Taluk, Villupuram District, Tamil Nadu" along with supporting documents for your perusal and records.

--

Thanks & Regards,
Environment Cell,
SIPCOT



Tindivanam HYC Dec 25.pdf
10954K



SIPCOT

EC/I/362198/2025/TDM

Date: 29.09.2025

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

10YRPPW

Sir,

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

Ref: SEIAA Lr. No. SEIAA-TN/F.6497/EC/8(b)/681/2019 dated 27.11.2019

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 Pelakuppam, Venmaniyathoor and Kollar Villages in Tindivanam Taluk, Villupuram 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 Lakshmiipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.
Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in

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sipcotweb.tn.gov.in/Compliance_Report

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Action required

Compliance Report - Mambakkam for Dec 2025

Compliance Report - Marudhandapalli for Dec 2025

Compliance Report - Theni for Dec 2025

Compliance Report - Nedumpulli for Dec 2025

Compliance Report - Virudhunagar for Dec 2025

Environmental Statement for the Financial Year - 2024 - 2025

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Govt. of Tamil Nadu

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

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008.

Phone
044-45261777

Email
tapals@sipcot.in

https://sipcotweb.tn.gov.in/uploads/compliance_reports/31/Mambakkam.pdf

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12:31 PM 18-03-2026

Projects/Thindivanam/2019

Date: 05.02.2020

The President,
Venmaniyathur Village Panchayat,
Thindivanam Taluka,
Villupuram District,
Tamil Nadu

Sir,

Sub: SIPCOT Industrial Park, Thindivanam – Submission of copy of the press release for issue of Environmental Clearance from SEIAA – Forwarded - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F. 6497/EC/8(b)/681/2019 dated 27.11.2019.

With reference to the above, we have obtained Environmental Clearance (EC) for SIPCOT Industrial Park at Pelakuppam, Venmaniyathur, Kollar Village, Thindivanam Taluka, Villupuram District, Tamil Nadu from SEIAA. The copy of Environmental Clearance has been enclosed here with for your kind perusal.

Yours Faithfully,

GENERAL MANAGER (P-II)/c

Encl.: as above

Copy to:

Project Officer, SIP - Cuddalore

- To hand over a copy of the Environmental Clearance to the above panchayat with due acknowledgement and send a report to H.O.



Projects/Thindivanam/2019

Date: 05.02.2020

The President,
Pelakuppam Village Panchayat,
Thindivanam Taluka,
Villupuram District,
Tamil Nadu

Sir,

Sub: SIPCOT Industrial Park, Thindivanam - Submission of copy of the press release for issue of Environmental Clearance from SEIAA - Forwarded - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F. 6497/EC/8(b)/681/2019 dated 27.11.2019.

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Yours Faithfully,


GENERAL MANAGER (P-II)/c
10/3

Encl.: as above

Copy to:

Project Officer, SIP - Cuddalore - To hand over a copy of the Environmental Clearance to the above panchayat with due acknowledgement and send a report to H.O.



Projects/Thindivanam/2019

Date: 05.02.2020

The President,
Kollar Village Panchayat,
Thindivanam Taluka,
Villupuram District,
Tamil Nadu

Sir,

Sub: SIPCOT Industrial Park, Thindivanam - Submission of copy of the
press release for issue of Environmental Clearance from SEIAA -
Forwarded - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F. 6497/EC/8(b)/681/2019 dated
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Yours Faithfully,


GENERAL MANAGER (P-II)/c

Encl.: as above

Copy to:

Project Officer, SIP - Cuddalore -

To hand over a copy of the
Environmental Clearance to the above
panchayat with due acknowledgement
and send a report to H.O.



Projects/Thindivanam/2019

Date:05.02.2020

The Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (SEZ), Ist and IInd Floor,
Handloom Export Promotion Council, 34, Cathedral Garden Road,
Nungambakkam, Chennai - 600 034

/RPAD/

Sir,

Sub: SIPCOT Industrial Park, Thindivanam - Submission of copy of the
press release for issue of Environmental Clearance from SEIAA -
Forwarded - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F. 6497/EC/8(b)/681/2019 dated
27.11.2019.

With reference to the above, we have obtained Environmental Clearance
(EC) from SEIAA. As per EC condition, the advertisement regarding issue of
Environment Clearance for SIPCOT Industrial Park at Thindivanam has been
released in 'Deccan Chronicle' Chennai edition dated 05.01.2020 in English
language and 'Dinamani' Villupuram edition dated 05.01.2020 in Tamil
Language.

The copy of both the press release has been enclosed here with for your
kind perusal.

Yours Faithfully,


GENERAL MANAGER (P-II)/c

Encl.: as above



Projects/Thindivanam/2019

Date:05.02.2020

The Member Secretary,
State Level Environmental Impact Assessment Authority,
3rd Floor, Panagal Maligai,
No.1. Jeenis Road,
Saidapet, Chennai - 600 015.

/RPAD/

Sir,

Sub: SIPCOT Industrial Park, Thindivanam - Submission of copy of the
press release for issue of Environmental Clearance from SEIAA -
Forwarded - Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F. 6497/EC/8(b)/681/2019 dated
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Language.

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kind perusal.

Yours Faithfully,


GENERAL MANAGER (P-II)i/c

Encl.: as above



Environmental Clearance for SIPCOT Thindivanam
Published in "Deccan Chronicle" Chennai Edition dated 05.01.2020 in
English Language

● **Blogger Pradeep John, also called the 'Tamil Nadu weatherman', wrote on his Facebook post that the fog in the city was not due to pollution. "It's not like the smog that happened in November." He said the fog will continue for the next 2-3 days.**

Chennai airport authorities pointed out on its Twitter handle that, "due to adverse weather conditions/poor visibility, flights are diverted/delayed. The inconvenience caused to passengers is sincerely regretted. Passengers are requested to check with the concerned airline (s) for further updates." The airlines also updated the passengers about the flight delays and apologised to the passengers.

A blanket of fog covered most parts of the city till 8.30 am on Saturday disrupting vehicular movement.

Ooty, Jan 4: The district court here on Saturday granted a three-day parole to Valayar Manoj, one of the accused in the Kodanadu estate, murder and heist cases, to perform the last rites of his father who expired two days ago in Kerala.

As the petition for parole came up for hearing, district judge P. Vadamalai gave the parole to Valayar Manoj and directed that he produced

before court on January 7.

Manoj is one of the 10 accused in the murder of a security guard and heist in the bungalow in Kodanadu belonging to late Tamil Nadu chief minister Jayalalithaa and lodged in the Central jail here.

His counsel had filed a petition seeking parole to Manoj to perform the last rites of his father who died two days ago in Thrissur, Kerala. —PTI



STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED
SIPCOT INDUSTRIAL PARK, THINDIVANAM
THINDIVANAM TALUK, VILLUPURAM DISTRICT

ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed SIPCOT Industrial Park at Thindivanam, Villupuram District from State Level Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide their Lr.No.SEIAA-TN/F.6497/EC/8(b)/681/2019 dt.27.11.2019.

The contents of the Environmental Clearance can be downloaded from SIPCOT website www.sipcot.in and also in the SEIAA website www.seiaa.tn.gov.in. Further the copies of the Environmental clearance could be obtained from the Head office of SIPCOT.

MANAGING DIRECTOR
SIPCOT

19-A, RUKMANI LAKSHMIPATHY ROAD,
 EGMORE, CHENNAI-8

DISK/24/DISPLAY/2020



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Environmental Clearance for SIPCOT Thindivanam
Published in "Deccan Chronicle" Chennai Edition dated 05.01.2020 in
English Language

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As the petition for parole came up for hearing, district judge P. Vadmalai gave the parole to Valayar Manoj and directed that be produced

before court on January 7.

Manoj is one of the 10 accused in the murder of a security guard and heist in the bungalow in Kodanadu belonging to late Tamil Nadu chief minister Jayalalithaa and lodged in the Central jail here.

His counsel had filed a petition seeking parole to Manoj to perform the last rites of his father who died two days ago in Thrissur, Kerala. —PTI



STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED
SIPCOT INDUSTRIAL PARK, THINDIVANAM
THINDIVANAM TALUK, VILLUPURAM DISTRICT

ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed SIPCOT Industrial Park at Thindivanam, Villupuram District from State Level Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide their Lr.No.SEIAA-TN/F.6497/EC/8(b)/681/2019 dt.27.11.2019.

The contents of the Environmental Clearance can be downloaded from SIPCOT website www.sipcot.in and also in the SEIAA website www.seiaa.tn.gov.in. Further the copies of the Environmental clearance could be obtained from the Head office of SIPCOT.

MANAGING DIRECTOR
SIPCOT

19-A, RUKMANI LAKSHMIPATHY ROAD,
EGMORE, CHENNAI-8

OWPR/24/DISPLAY/2019



TAMIL NADU COMMON ENTRANCE TEST (TANCET) 2020

FOR M.B.A., M.C.A., & M.E./M.Tech./M.Arch./M.Plan. DEGREE PROGRAMMES

ANNA UNIVERSITY, CHENNAI - 600 025



Applications for Tamil Nadu Common Entrance Test (TANCET) 2020 conducted by Anna University, Chennai on behalf of the Government of Tamil Nadu from candidates who seek admission to **1. M.B.A., 2. M.C.A. and 3. M.E. / M.Tech. / M.Arch. / M.Plan.** Degree Programmes for the academic year 2020 – 2021 offered at University Departments,

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.

ANNEXURE 13
GREENBELT PHOTOGRAPHS





ANNEXURE 14 – STORM WATER DRAIN PHOTOGRAPHS



ANNEXURE 15 - LED LIGHTS PHOTOGRAPHS

